

## Meeting Minutes Transmittal

PUREX Plant/Storage Tunnels Project Managers Meeting  
2440 Stevens Center, Room 1600  
Richland, Washington

April 24, 1996  
7:30 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: 6/12/96  
Richard X. Gonzalez, Project Manager, DOE-RL

Robert Julian Date: 6/12/96  
Robert Julian, Project Manager, Washington State Department of Ecology

Lucinda L. Grant Date: 6/12/96  
Lucinda L. Grant, Washington State Department of Health

Gregory J. LeBaron Date: 12 JUNE '96  
Gregory J. LeBaron, PUREX Contractor Representative, WHC

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 - Action Items
- Attachment 5 - PUREX Deactivation Status



**Attachment 1**

**PUREX Plant/Storage Tunnels Project Managers Meeting  
2440 Stevens Center, Room 1600  
Richland, Washington**

**April 24, 1996  
7:30 a.m. - 9:00 a.m.**

**- AGENDA -**

**7:30 AM - 9:00 AM INTRODUCTIONS**

**APPROVE PAST MEETING MINUTES**

**STATUS ITEMS**

- PUREX Storage Tunnels Part B
- PUREX transition status
- Railroad tank cars
- Receipt of 300 Area waste

**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  
2440 Stevens Center, Room 1600  
Richland, Washington

April 24, 1996  
7:30 a.m. - 9:00 a.m.

### Summary of Discussion and Commitments/Agreements

#### APPROVE PAST MEETING MINUTES

The Unit Managers Meeting minutes of 3/12/96 were approved.

#### STATUS ITEMS

- **PUREX Storage Tunnels Part B**

Mr. C. Strand (WHC) stated that the PUREX Storage Tunnels Part A and Part B, and the PUREX Plant Part A have completed their respective revisions to address Ecology comments and have entered the WHC approval process. Mr. Strand stated further that the Part B and Part As are tentatively scheduled for WHC certification and transmittal to RL on May 3, with a request for RL certification and submittal to Ecology to occur by May 17. This schedule will provide Ecology approximately one month to ready the Part B for inclusion into Modification B of the Hanford Facility Resource Conservation and Recovery Act Permit tentatively scheduled to begin June 17, 1996. Mr. R. Gonzalez (RL) inquired about the need to recertify the Part B. Mr. Strand indicated that a revised PUREX Facility Training Plan and Waste Analysis Plan would require recertification under the dangerous waste regulations, so it was agreed to revise and recertify the Part B in its entirety. He indicated the revisions to the PUREX Facility Training Plan and Waste Analysis Plan were the result of changes resulting from recent reengineering efforts at the PUREX Facility and comments received from Ecology on Revision 2 of the Part B that was submitted on November 22, 1996. Mr. R. Julian (Ecology) then discussed the tentative schedule for Modification B and the associated 45 day public comment process as it pertains to the Part B.

- **PUREX Transition Status**

Mr. G. LeBaron (WHC) provided an update to the PUREX deactivation status (Attachment 5). He stated that no shipments of organics had been made since February with the total number of shipments remaining at 4. He indicated the vendor was having some trouble that was impacting receipt of the last two shipments. It is anticipated that the two remaining shipments will be sent in May or early June.

Mr. LeBaron indicated that U3 and F18 vessel flushing has been completed with samples taken. He then stated that U3 will continue to be used for further decontamination activities. After these activities have been completed, U3 will be flushed and RCRA sampled again.

There was no progress to report regarding sample gallery deactivation. Mr. Julian asked if keeping U3 active will hold up progress on the samplers. Mr. LeBaron indicated that this will not be the case as only one sampler is associated with U3.

Storage Gallery deactivation progress was provided with approximately 50% of material identified as being moved out of the storage gallery and excessed. Within the P&O Gallery, approximately 75% of the headers have been drained and verified as well as approximately 75% of the first-off valves have been closed. It was reported that all fluids from the reservoir have been drained.

There was not much to report on N Cell deactivation with the exception of completing some NDAs. The Q Cell glove boxes have been cleaned and painted to fix any residual contamination. Work continues on draining headers. The NDAs for the N3 and N4 gloveboxes (N Cell) are still in progress due to high Pu loading (> 450 grams). The NDA results are still pending. The PR Room L9 glove box has been cleaned, painted, sealed and is waiting for an NDA.

Since the last meeting, there has not been a lot of progress on the ancillary building deactivation due to staffing requirements to support ongoing activities associated with the receipt and storage of the 324 Building waste.

The HVAC system consolidation work has been focusing on laboratory deactivation. Completed activities have included foaming the ducts to fix contamination and isolate duct work. Painting has been completed under and behind the hoods to fix contamination as well. The lab rooms are expected to be completed soon with work moving to the lab HVAC room. The lab stacks are expected to be shut down in the next 2 to 6 weeks. The shut down may preclude the required annual sampling scheduled in May. Ms. L. Grant (DOH) requested that the annual report reflect the fact that annual sampling was not conducted due to stack shut down. It was agreed that sampling would be conducted if the shut down was not accomplished before the scheduled May sampling.

Mr. LeBaron indicated that over 1200 instruments have been deactivated in Fiscal Year 1996 leaving 1132 that require deactivation.

2469 end points have been identified. Of these, 119 have been completed to date. Mr. LeBaron noted that this was a little behind the 300 scheduled to be completed by the end of March, but work is continuing.

- **Railroad tank cars**

One of the 3 rail cars (203-A) that were used to ship nitric acid back and forth was found to contain approximately 300 gallons of liquid. This discovery was made following an agitation performed on the rail car. Mr. LeBaron described how the configuration of the rail car did not allow for a visual or remote inspection of the inside to confirm the "empty" status. He also indicated that the remaining liquid is being pumped from the rail car to drums for transfer to the DST System. The pumping is expected to be completed by the end of the week, depending on the weather. Mr. Julian indicated he was going to speak with Ecology compliance staff concerning this matter. Ms. Grant asked if the rail cars were going to be used in the future. Mr. Gonzalez said they were not.

- **Receipt of 300 Area waste**

Regarding 324 Building waste, 9 of the scheduled 16 shipments have been received and placed in the canyon. Mr. LeBaron indicated that the additional shipments have not been placed into Tunnel Number 2 because the canyon crane malfunctioned and broke. The crane is under repairs and is expected to be fixed in the near future. During the crane repairs, the G Cell cover block will remain off as the 40 ton hook used to move cover blocks has been deactivated pending investigation of the failure. It was also mentioned that spent fuel pieces are not going to be placed in Tunnel Number 2 for storage as determined by Headquarters. This information was provided for a clarification of a presentation to DOH on April 9th.

## **GENERAL TOPICS**

- **Additional Topics**

Mr. Gonzalez stated that EM-40 is questioning accepting the Tunnels as that program has never had responsibility for an operating waste treatment, storage, or disposal unit. He indicated that the Tunnels may remain in EM-60. This may trigger a stack upgrade to meet NESHAPs compliance. In response, Mr. Julian stated that EM-30 may be able to take the Tunnels and that this issue is not done as of yet. He expressed Ecology's desire to see the Tunnels remain open until the remaining storage space is filled.

Mr. R. Bowman (WHC) indicated that the TPA change package regarding the Notice of Intent process, as it applies to transition activities, had been approved.

In a discussion after the meeting, Mr. LeBaron explained to Mr. Julian that the liquids being removed from the tanker car and the headers are being put into drums. The drums are being labeled and taken to the less-than-90-day accumulation area until they can be transferred, usually within 3-5 days, to the permitted storage and

treatment tank U3. The date the liquids are loaded into the drums is the date of generation being put on the dangerous waste labels affixed to the drums. There are no container storage areas at PUREX at which the drums can be stored. It was agreed that the practice being employed meets the intent of the regulations and does not compromise human health or the environment in any way.

- **Action Items**

There were no action items.

- **Scheduling of Next Meeting**

Mr. Strand will coordinate with Ms. Grant in scheduling the next meeting, tentatively set for the second week in June.



**Attachment 4**

**PUREX Plant/Storage Tunnels Project Managers Meeting  
2440 Stevens Center, Room 1600  
Richland, Washington**

**April 24, 1996  
7:30 a.m. - 9:00 a.m.**

**Action Items**

There were no action items.

**Attachment 5**

**PUREX Plant/Storage Tunnels Project Managers Meeting  
2400 Stevens Center, Room 1600  
Richland, Washington**

**April 24, 1996  
7:30 a.m. - 9:00 a.m.**

**PUREX DEACTIVATION STATUS**

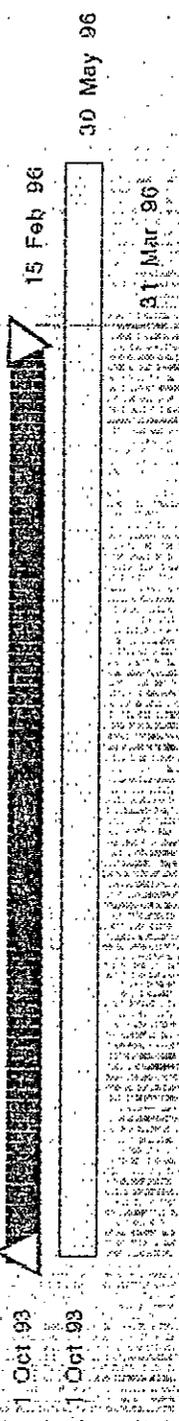
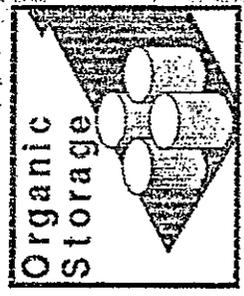
# **PUREX DEACTIVATION STATUS**

**G. J. LeBaron**

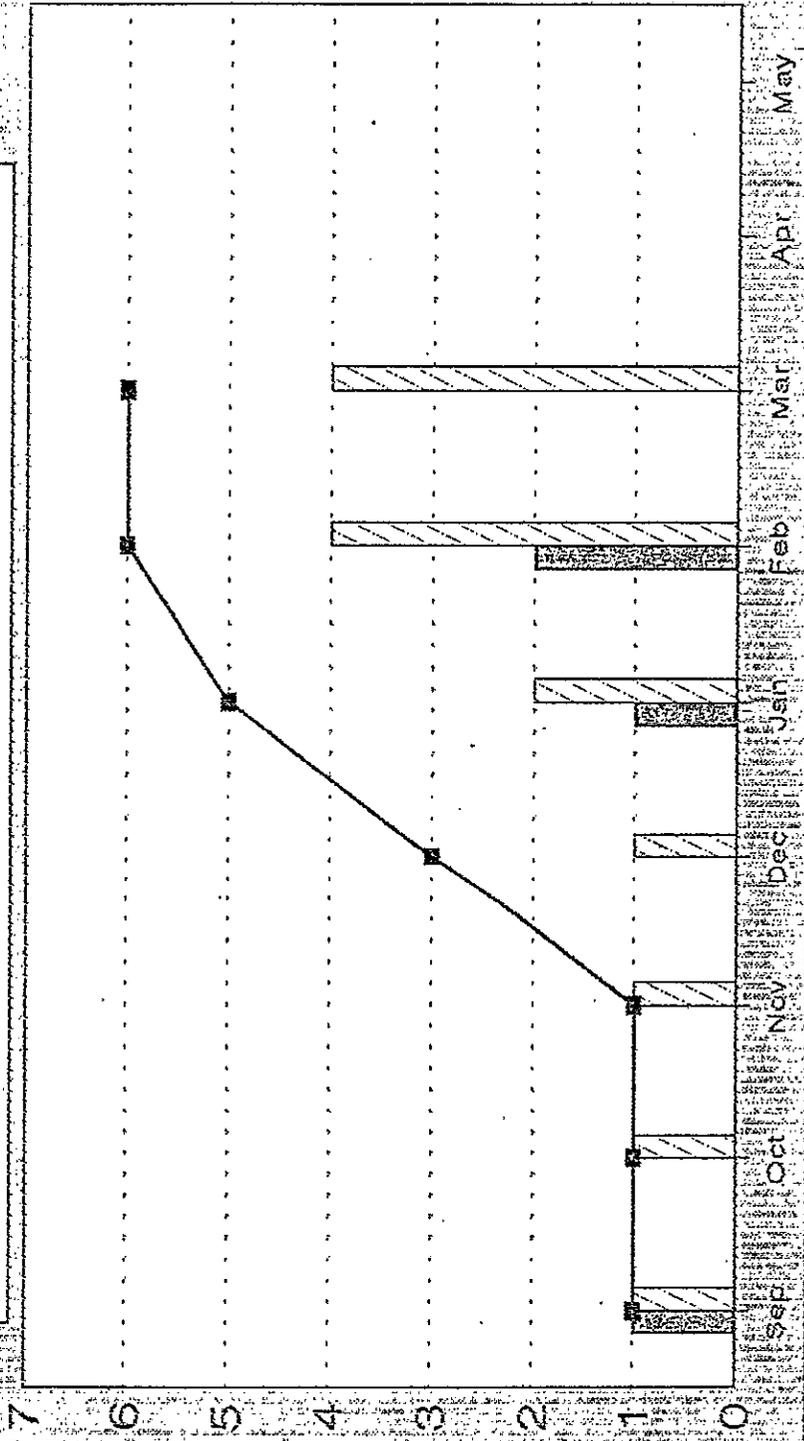
**April 24, 1996**

# CONTAMINATED ORGANIC DISPOSITION

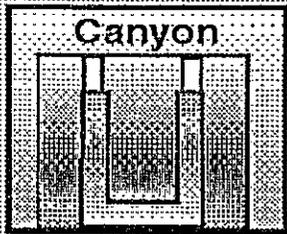
## Summary Schedule Status



Containers Shipped
  Cumulative
  Total Goal



	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
Containers Shipped	1	0	0	0	1	2	0	0	0
Cumulative	1	1	1	1	2	4	4	4	4
Total Goal	1	1	1	3	5	6	6	6	6



# PUREX Canyon Vessel Flushing

## Summary Schedule Status



**K-Cell**

- 3 Tanks
- 3 Columns
- 2 Concentrators

**L-Cell**

- 2 Tanks
- 6 Columns

**Headend**

- 7 Tanks
- 1 Column
- 1 Concentrator

**G and R Cell**

Parts A and B

- 9 Tanks
- 2 Columns
- 2 Decanters

**Backcycle Waste and No Package**

- 3 Tanks
- 2 Columns
- 1 Concentrator

**U-Cell**

- 8 Tanks
- 2 Towers
- 1 Reboiler

**Cladding Waste**

- 4 Tanks
- 2 Centrifuges
- 3 Dissolvers (passivated zirc. hulls will remain)

<b>M1</b>	<b>M2</b>
Non RCRA • 1 Tank	• 1 Tank

**J2**

Non RCRA  
• 1 Tank

**G7**

- 3 Tanks

**F18/U9 SYS**

Part B  
• 2 Tanks

**D5, E6, F13, F15, and F16**

- 5 Tanks

**E-F11/F12 System**

Part A  
• 1 Tank  
• 1 Concentrator

**AMU TK-156**

- 1 Tank

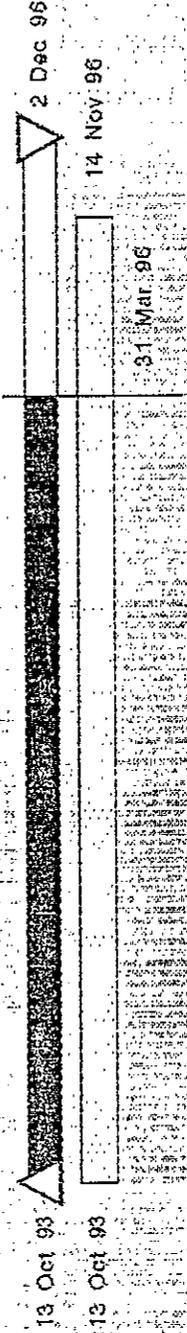
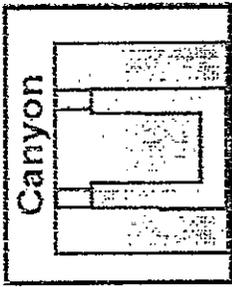
**F4**

- 1 Tank



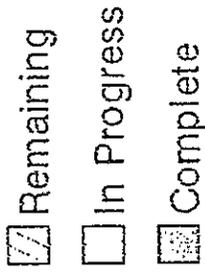
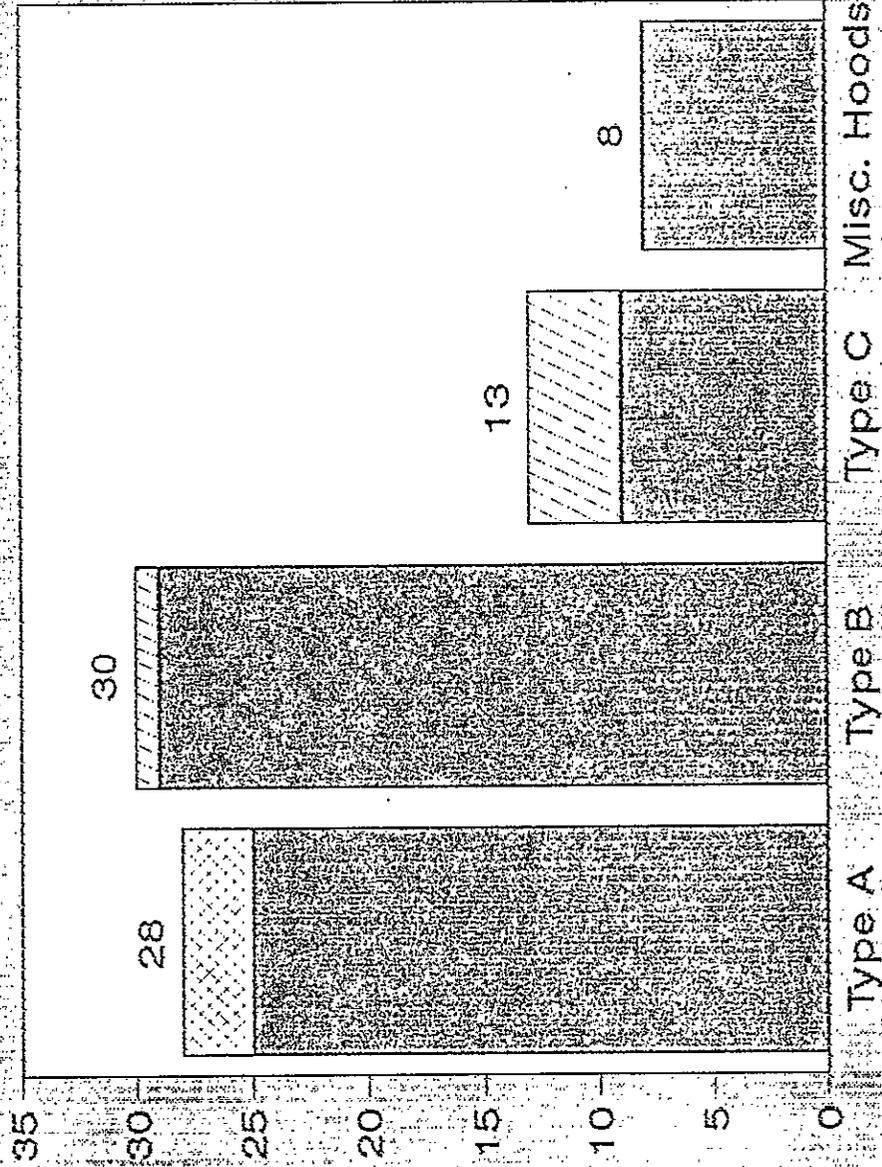
# Sample Gallery Deactivation

## Summary Schedule Status



## Samplers Deactivated

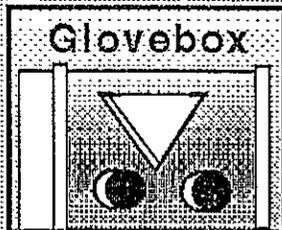
Total Goal = 77 Samplers



# **GALLERY DEACTIVATION**

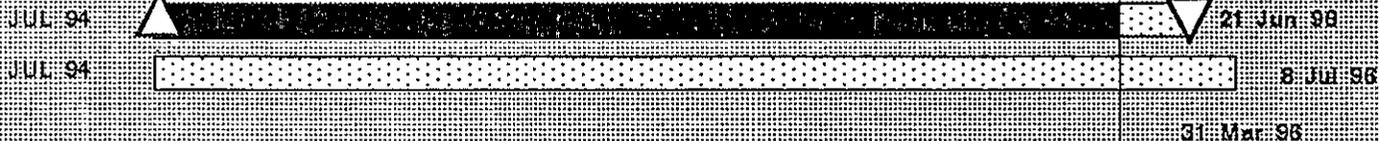
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- **Storage Gallery**
  - **About 50% of material moved out - being excessed**
- **P&O Gallery**
  - **About 75% of headers drained and verified**
  - **About 75% of first-off valves closed**
  - **All fluids from reservoir drained**

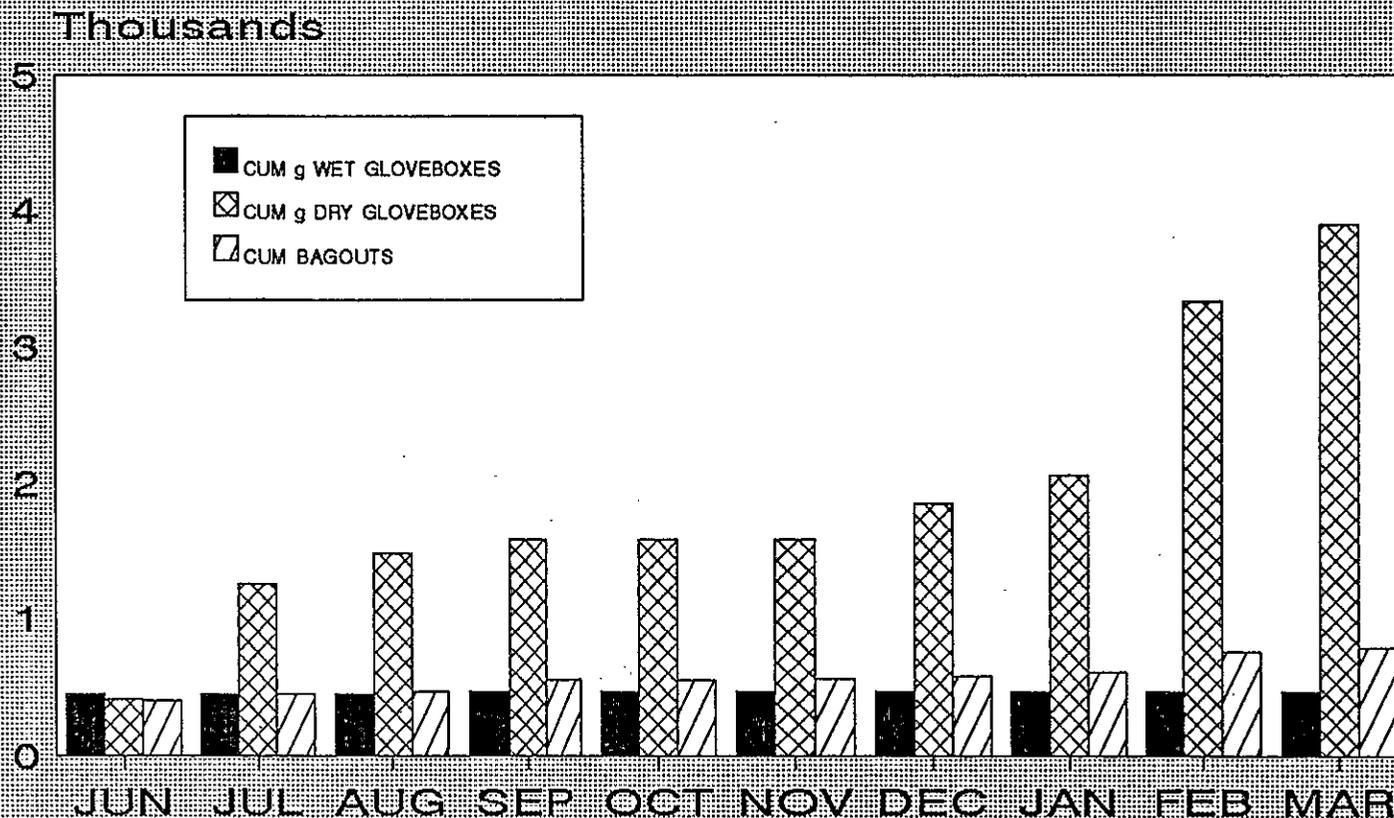


# N CELL DEACTIVATION

## Summary Schedule Status



### GRAMS PLUTONIUM/NUMBER OF BAGOUTS REMOVED

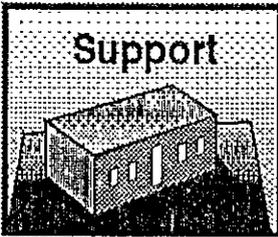


CUM g WET GLOVEBOXES	0.448	0.448	0.448	0.462	0.462	0.464	0.464	0.464	0.464	0.464
CUM g DRY GLOVEBOXES	0.409	1.257	1.482	1.579	1.579	1.579	1.845	2.054	3.337	3.905
CUM BAGOUTS	0.401	0.445	0.468	0.548	0.548	0.555	0.581	0.604	0.755	0.784

# **GLOVEBOX DEACTIVATION**

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- **Q Cell Gloveboxes**
  - All cleaned out and painted
  - Ports mostly sealed
  - Draining headers
- **PR Room**
  - All but L9 Glovebox cleaned out, painted and sealed
  - L9 Glovebox cleaned and waiting for NDA



# PUREX Ancillary Building Deactivation

## Summary Schedule Status

11 Jul 84

1 Aug 94



11 Nov 98

31 Mar 98

11 Apr 97

### Category I (Radiological and Chemical Concerns)

203-A		
206-A	Fractionator	
212-A	Load Out	
291-AH	Sample Shack	
291-AD	Ammonia Off Gas Building	
294-A	Instrument Shack	
U-Cell		
R-Cell		
293-A	Dissolver Off Gas Building	

### Category II (Chemical Concerns Only)

211-A	Cold Chemical Storage	
202-A-1	Storage Units #1 and #2	
214-A	Misc. Storage/90 Day Pad	
2714-A	Dry Chemical Storage	
281-A	Emergency Generators	
	Maintenance Storage Units	
	SMSU Storage 09	
P008		
P009		
P010		
P011		
P012		

### Category III (Radiological Concerns Only)

#1 Tunnel Door Building		
#2 Tunnel Door Building		
157	Diversion Box	
202-A	Pump Pits (?) (6-10)	
202-A	South Change Trailer	
213-A	Regular Maintenance Shop	
2711-A-1	Plant Vacuum Pumps	
2712-A	N Cell Dry Air	
302-A	Catch Tank Risers	
C Cell Airlock		
F Cell Airlock		
MO-332, 203-A	Change Trailer #2	
PR Dock Storage Boxes #1 and #2		
Railroad Cut Pedestrian Change Trailer		
Railroad Cut Storage Shed		
Railroad Cut Change Trailer		

### Category IV (Liquid Effluents)

295-A	ASD	
295-AA	SCD	
295-AB	PDD (OLD)	
295-AC	Chemical Sewer	
295-AD	CWL Shack	
295-AD	CWL Pit	
295-AE	PDD (new)	

### Category V (Gaseous Effluents)

292-AA	PR Sample Shack	
296-A-1	Filter Boxes (PR)	
296-A-2	Sample Shack/Filter Box (EHW)	
296-A-3	Sample Shack/Filter Box (EHE)	
296-A-5A	Sample Shack/Filter Box (ELW)	
296-A-5B	Sample Shack/Filter Box (ELE)	
296-A-6	Sample Shack/Filter Box (EGE)	
296-A-7	Sample Shack/Filter Box (EGW)	
296-A-8	Sample Shack/Filter Box (EW)	
296-A-10	Sample Shack/Filter Box (ET)	
296-A-14	Sample Shack/Filter Box (EB)	
296-A-24	Sample Shack/Filter Box (EN)	

### Category VI (Clean Areas)

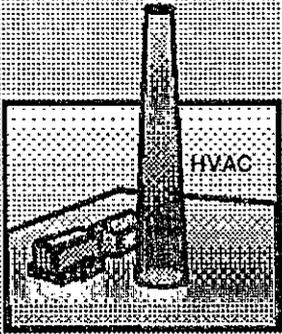
206-A	Heating Tower	
206-A	Instrument Enclosure #1	
206-A	Instrument Enclosure #2	
214-B/C/D	Misc. Storage/90 Day Pad	
271-AB		
2701-A	Badge House	
MO-023		
MO-035		
MO-323		
MO-409		
MO-608		
MO-707		
R Cell Heating Tower		
West PRV Steam Station		

### Category VII (Operable)

291-AB	Sample Shack	
291-AC	Instrument Shack	
291-AE	4th Filter Building	
291-AG	Instrument Shack	
291-AJ	Instrument Shack	
292-AB	Main Stack Building	

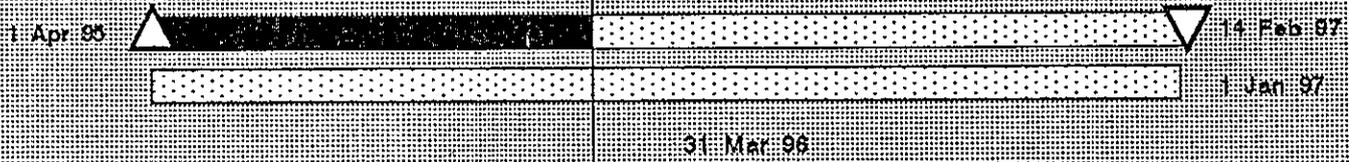
### Legend

= COMPLETE    = IN PROGRESS    = REMAINING



# HVAC SYSTEM CONSOLIDATION

## Summary Schedule Status



NOTE: Pre-Switchover modifications are scheduled to be complete October 1996

PRE-SWITCHOVER  
MODS AND PREPARATION

<b>BASEMENT PLANNED</b>
<ul style="list-style-type: none"> <li>• 9 MODS</li> <li>• 6 WORK PACKAGES</li> <li>• 13 PROCUREMENT</li> <li>• 15 FABS</li> </ul>
<b>COMPLETED</b>
<ul style="list-style-type: none"> <li>• 3 MODS</li> <li>• 5 WORK PKGS</li> <li>• 5 PROCUREMENT</li> <li>• 4 FABS</li> </ul>

<b>SAMPLE GALLERY PLANNED</b>
<ul style="list-style-type: none"> <li>• 1 MODS</li> <li>• 1 WORK PACKAGES</li> <li>• 6 PROCUREMENT</li> <li>• 6 FAB</li> </ul>
<b>COMPLETED</b>
<ul style="list-style-type: none"> <li>• 2 MOD</li> <li>• 3 WORK PKG</li> <li>• 5 PROCUREMENT</li> <li>• 2 FAB</li> </ul>

<b>P&amp;O GALLERY PLANNED</b>
<ul style="list-style-type: none"> <li>• 1 MOD</li> <li>• 1 WORK PACKAGE</li> <li>• 2 PROCUREMENT</li> <li>• 2 FABS</li> </ul>
<b>COMPLETED</b>
<ul style="list-style-type: none"> <li>• 1 MOD</li> <li>• 2 WORK PKG</li> <li>• 3 PROCUREMENT</li> <li>• 1 FAB</li> </ul>

<b>MISCELLANEOUS PLANNED</b>
<ul style="list-style-type: none"> <li>• 6 MODS</li> <li>• 6 WORK PACKAGES</li> <li>• 7 PROCUREMENTS</li> <li>• 5 FABS</li> </ul>
<b>COMPLETED</b>
<ul style="list-style-type: none"> <li>• 2 WORK PKGS</li> <li>• 4 PROCUREMENTS</li> <li>• 1 MOD</li> </ul>

SWITCHOVER  
MODS ONLY

<b>BASEMENT PLANNED</b>
<ul style="list-style-type: none"> <li>• 12 MODS</li> </ul>
<b>COMPLETED</b>

<b>SAMPLE GALLERY PLANNED</b>
<ul style="list-style-type: none"> <li>• 7 MODS</li> </ul>
<b>COMPLETED</b>

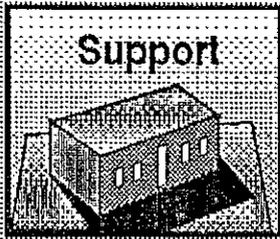
<b>P&amp;O GALLERY PLANNED</b>
<ul style="list-style-type: none"> <li>• 3 MODS</li> </ul>
<b>COMPLETED</b>

<b>MISCELLANEOUS PLANNED</b>
<ul style="list-style-type: none"> <li>• 3 MODS</li> </ul>
<b>COMPLETED</b>

## **LABORATORY HVAC DEACTIVATION**

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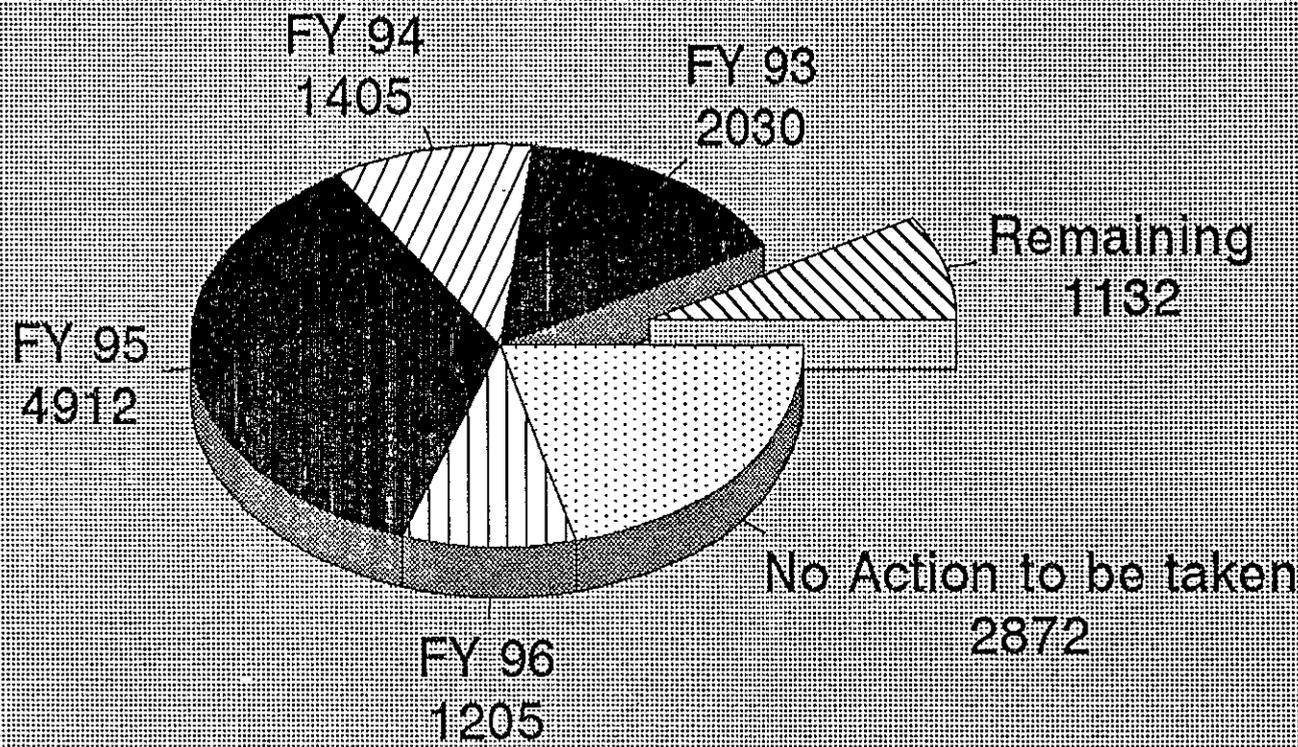
- **Shot foam into inaccessible areas of hoods to fix contamination**
- **Shot foam into ducts**
  - **To fix contamination**
  - **To isolate duct work**
- **Painted under and behind hoods to fix contamination**
- **Will finish lab rooms this week and move into lab HVAC room**
- **Will shut down lab stacks in next 2-6 weeks**



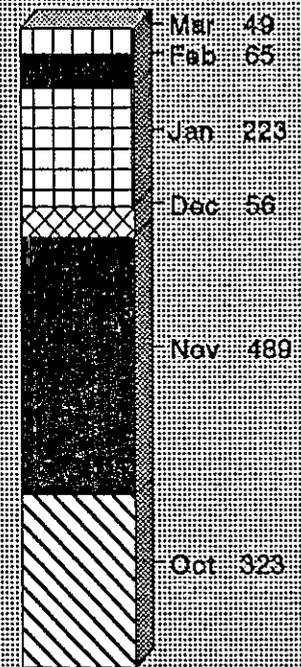
# Instrument Deactivation

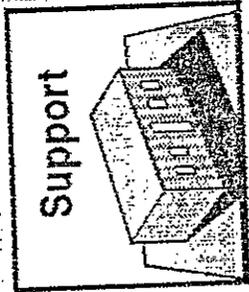
◆ 13,556 Instruments Identified ◆

### Project to Date Instruments Deactivated



### Instruments Deactivated FY 96





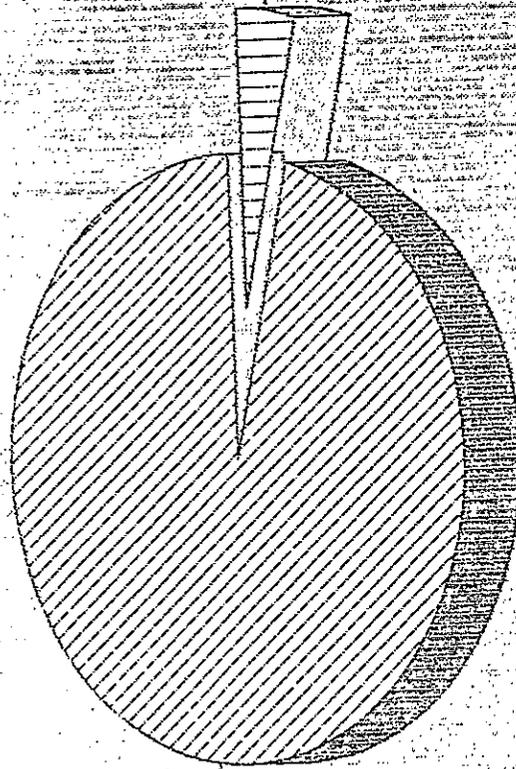
# Turnover Team

◆ 2469 End Points Identified ◆

Note: All end points are not created equal.

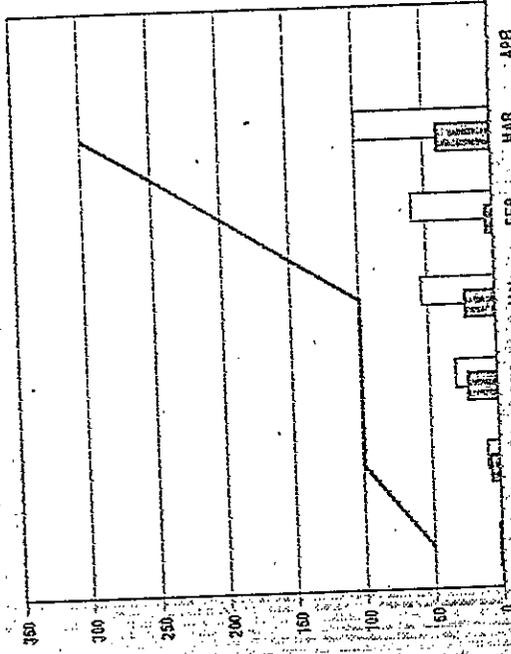
## Project to Date End Points Signed

## END POINTS SIGNED



FUNCTIONAL AREAS COMPLETED  
(58 AREAS TOTAL)

PERCENT COMPLETE (0 OF 58)



	OCT	NOV	DEC	JAN	FEB	MAR	APR
EP'S SIGNED	2	7	22	23	6	40	
CUMULATIVE	2	9	31	54	60	100	
GOAL	50	100	100	100	200	300	

█ EP'S SIGNED □ CUMULATIVE --- GOAL

## **RAIL TANK CARS**

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- **Discovered about 300 gallons liquid in one car**
- **Emptied contents of car into drums**

## **324 BUILDING WASTE**

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- **9 of 16 shipments received**
  - **Material yet to be placed in storage tunnel**
- **PUREX crane being repaired**
  - **Anticipate next shipment April 26**
- **Spent fuel will not be placed in tunnel**
  - **Clarification of presentation to Conklin on April 9**

Distribution:

L. D. Arnold	WHC	B2-35*
R. C. Bowman	WHC	H6-24*
R. C. Brunke	WHC	H6-23*
R. M. Carosino	RL	A4-52*
C. E. Clark	RL	A5-15
M. W. Cline	WHC	H6-24*
A. W. Conklin	DOH	
R. X. Gonzalez	RL	R3-79
L. L. Grant	DOH	
E. M. Greager	WHC	H6-20*
D. G. Hamrick	WHC	S6-15*
D. G. Harlow	WHC	S6-19*
J. P. Hayfield	WHC	S5-66*
M. N. Jaraysi	Ecology	B5-18
W. G. Jasen	WHC	S6-17*
R. J. Julian	Ecology	B5-18
R. C. King	Ecology	Lacey
P. J. Krupin	RL	A5-15*
G. J. LeBaron	WHC	S6-19
J. J. Luke	WHC	H6-25*
J. R. Markillie	GSSC	B1-42*
E. M. Mattlin	RL	A5-15
J. E. Mecca	RL	R3-79*
M. R. Morton	BHI	T7-15*
S. M. Price	WHC	H6-23*
J. E. Rasmussen	RL	A5-15*
F. A. Ruck III	WHC	H6-23*
C. P. Strand	WHC	H6-24
M. J. Stephenson	WHC	H6-20*
S. R. Tifft	WHC	H6-26*
W. E. Toebe	WHC	H6-22*
B. D. Williamson	WHC	B3-15*
RCRA Files	WHC	H6-23

\*cc:Mail

ADMINISTRATIVE RECORD: PUREX, TS-2-6 [Care of EDMC, WHC (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, WHC (H6-24),  
(509) 376-8556