START 9613427.2393 0043900

Meeting Minutes Transmittal

PUREX Plant/Storage Tunnels Project Managers Meeting
2440 Stevens Center, Room 2664
Richland, Washington

March 12, 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: 22 April '96
Richard X. Gonzalez, Project Manager, DOE-RL

Date: 4/24/96
Robert Julian, Project Manager, Washington State Department of Ecology

Lucinda L. Grant Date: 4/24/96
Lucinda L. Grant, Washington State Department of Health

Date: 18 Apr '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

MAY 1996 RECEIVED EDMC

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Attachment 1

PUREX Plant/Storage Tunnels Project Managers Meeting
2440 Stevens Center, Room 2664
Richland, Washington

March 12, 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

9613427.2395

Attachment 2

PUREX Plant/Storage Tunnels Project Managers Meeting
2440 Stevens Center, Room 2664
Richland, Washington

March 12, 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 1/17/96 were approved.

STATUS ITEMS

- PUREX Storage Tunnels Part B

  Mr. R. Bowman (WHC) stated that the PUREX Storage Tunnels Part B is moving toward issuance. Mr. R. Julian (Ecology) stated that permit conditions would be drafted to address unresolved issues found in the permit application. He indicated that it would have been preferable to have handled these issues with page changes rather than permit conditions. Mr. Bowman said that a decision was made to not use page changes because it had been determined that they would have been required to be certified by WHC and RL and would have been too costly. Mr. Bowman inquired as to the status of Ecology's review of the Hanford Facility Dangerous Waste Permit Application, General Information Portion (DOE/RL-91-28). Mr. R. Julian (Ecology) said it is presently being reviewed. Mr. Julian said he had nine to ten minor comments that will have to be addressed. When asked when the PUREX Storage Tunnels Part B might be sent out for public review, Mr. Julian thought that it would go out in the June/July timeframe.

- PUREX Transition Status

  Mr. G. LeBaron (WHC) provided an update to the PUREX deactivation status (Attachment 5). He stated that two shipments of organics had been made in February that brings the total number of shipments made to 4. It is anticipated that the two remaining shipments will be sent in March or early April. This is dependant on the receiver's ability to receive the shipments. Mr. Julian inquired if it was planned to handle the B Plant organic in the same manner as that of PUREX. Mr. LeBaron said that it would not be mixed with the PUREX organic or brought to PUREX but might be shipped to the same handler if radionuclide levels can be reduced sufficiently.

  Nothing has changed since the last meeting regarding the canyon vessel flushing. The M1, U-Cell, and F18 tanks are still in use supporting deactivation activities. These tanks are to be flushed

and sampled by the 1st of April with sample results expected by the 1st of May.

There was no change identified regarding sample gallery deactivation. The remaining samplers support vessels that remain in service.

Significant progress was made in February on the N Cell deactivation. Additional bagouts were made. Deactivation of the wet gloveboxes is complete. Following cleaning of the dry gloveboxes, it was determined by nondestructive assay that the plutonium (Pu) loading in these gloveboxes exceeded the 450 gram goal. Several methods are being evaluated to show actual Pu residuals (e.g., smear samples, material balance, peer review). Given the level of effort expended on N Cell deactivation, a separate team is being assembled to address the Product Removal Room.

Since the last meeting, there has not been a lot of progress on the ancillary building deactivation.

The HVAC system consolidation group continues to prepare for this effort. To date progress has been made in the basement and sample gallery areas. No HVAC changeover work will be done in the canyon building until after personnel have been moved out. Further progress with the canyon building HVAC is anticipated during the summer.

Mr. LeBaron explained that the 2945 instruments identified with "no action to be taken" pertain to instruments that require no action to deactivate. During January, another 223 instruments were deactivated leaving 1173 that require deactivation. Additional progress was made in February; however, the exact numbers were not available.

2474 end points have been identified. Of these, only 60 have been signed off as complete by the end of February. A number of end points have been completed but have not been signed off. Mr. Julian indicated that this process was being handled very well.

- **Railroad tank cars**

The 3 rail cars (203-A) that were used to ship nitric acid back and forth are now emptied. It was calculated that the rail cars could be considered empty with 1 inch or less residual material. Liquid level in these cars have been verified with a dip stick to contain less than 3/4 inch of residual material. These cars will be turned over to Kaiser. An evaluation is being conducted to determine whether the 4 rail cars from the TC-4 spur should be put in the tunnels or not.

- **Receipt of 300 Area waste**

  Regarding 324 Building waste, 8 of the scheduled 16 shipments have been received and placed in the canyon. This waste will be placed on a rail car and pushed into storage tunnel Number 2.
  A considerable amount of boxed equipment was identified on the canyon deck. There is enough boxed equipment identified to fill an additional 2 rail cars. These cars were moved into the tunnel.
  A point has been reached in the deactivation schedule that does not allow additional waste shipments from the 324 Building to be received for placement into the tunnel. Impacts of receiving of the 9 additional 324 Building waste shipments will be evaluated.
  All mixed waste packaged at the 324 Building was included in the first 8 shipments. Mr. Julian strongly encouraged RL and WHC to pursue an approach to allow continued waste receipt at Tunnel Number 2.

GENERAL TOPICS

- **Additional Topics**

  Mr. Bowman indicated that the language included in the draft TPA change package regarding the Notice of Intent process, as it applies to transition activities, has been changed.
  Ms. E. Mattlin (RL) stated that the change request had been approved by RL and forwarded to Ecology on March 8, 1996. Ms. Mattlin agreed to forward a copy of the change request that includes the new language to Mr. Julian. Mr. Bowman said that following approval of this change request, the PUREX Plant Part A would be submitted to Ecology adding the two former process tanks.

  Mr. Julian congratulated PUREX on the presentation that was made to the DNFSB. He indicated that it had been well received.

  Ms. C. Grant (DOH) clarified that sampling of the stack on Tunnel Number 2 would continue for 6 months following placement of the 324 Building waste within the tunnel.

- **Action Items**

  There were no action items.

- **Scheduling of Next Meeting**

  Mr. Bowman will coordinate with Ms. Grant in scheduling the next meeting, tentatively set for the fourth week in April.

9613427.2398

Attachment 3

PUREX Plant/Storage Tunnels Project Managers Meeting
2440 Stevens Center, Room 2664
Richland, Washington

March 12, 1996
7:30 a.m. - 9:00 a.m.

Attendance List

NAME	ORGANIZATION	PHONE #
JoAnn McCoy	WHC	372-3596
Mike Stephenson	WHC	376-3870
Bob Julian	Ecology	736-5702
Cindy Grant	WA DOH	206-464-6206
Ellen Mattlin	DOE-RL	376-2385
Jamie Granger	WHC	376-7346
Roger Bowman	WHC	376-4876
Jeff Markillie	Dames & Moore/GSSC	946-3685
Greg LeBaron	WHC	373-1792
Rick Gonzalez	DOE-RL	373-9922

9613427.2399

Attachment 4

PUREX Plant/Storage Tunnels Project Managers Meeting
2440 Stevens Center, Room 2664
Richland, Washington

March 12, 1996
7:30 a.m. - 9:00 a.m.

Action Items

There were no action items.

9613427.2400

Attachment 5

PUREX Plant/Storage Tunnels Project Managers Meeting
2400 Stevens Center, Room 2664
Richland, Washington

March 12, 1996
7:30 a.m. - 9:00 a.m.

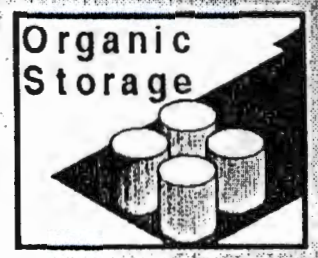
PUREX DEACTIVATION STATUS

HNF-SD-WM-TI-740 Rev. 0

PUREX DEACTIVATION STATUS

G. J. LeBaron

March 12, 1996



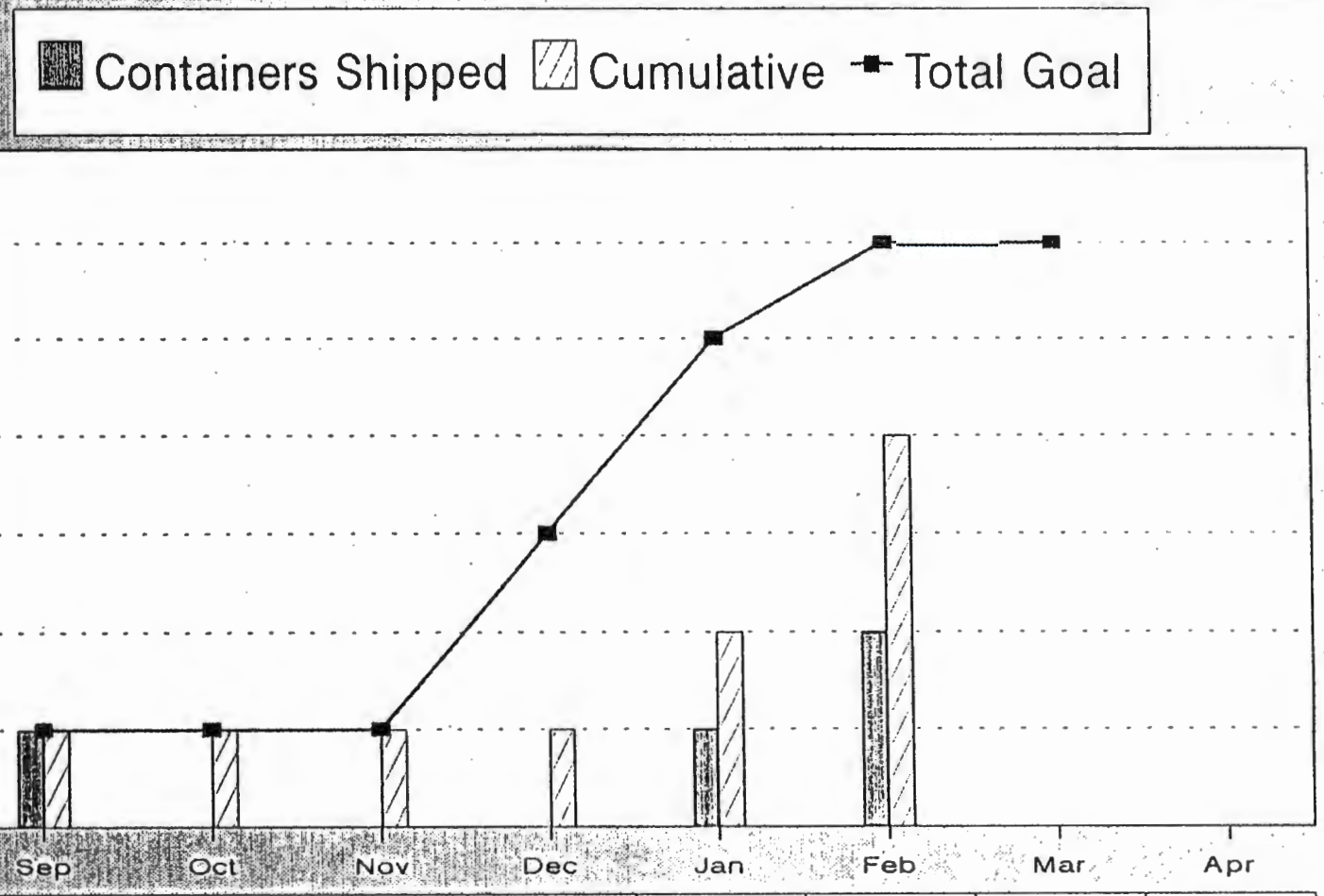
CONTAMINATED ORGANIC DISPOSITION

Summary Schedule Status

1 Oct 93 — 15 Feb 96

1 Oct 93 — 22 Mar 96

29 Feb 96



Containers Shipped	1	0	0	0	1	2		
Cumulative	1	1	1	1	2	4		
Total Goal	1	1	1	3	5	6	6	

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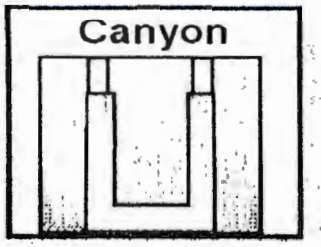
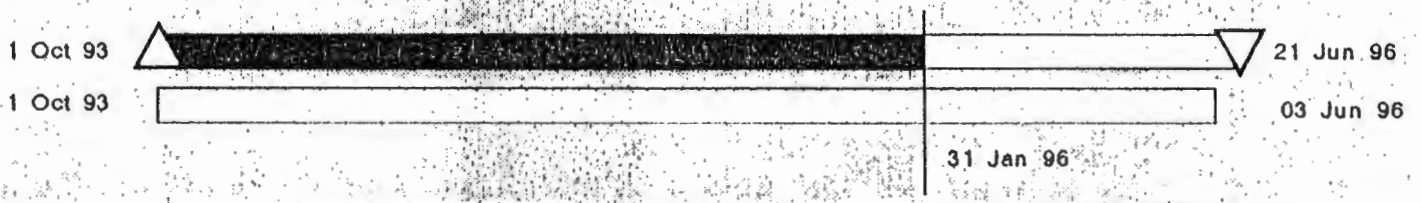


PUREX Canyon Vessel Flushing

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 Np 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)

M1
Non RCRA
- 1 Tank

M2
- 1 Tank

J2
Non RCRA
- 1 Tank

G7
- 3 Tanks

F18/U3 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

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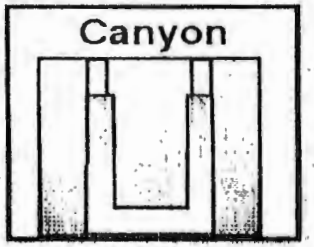
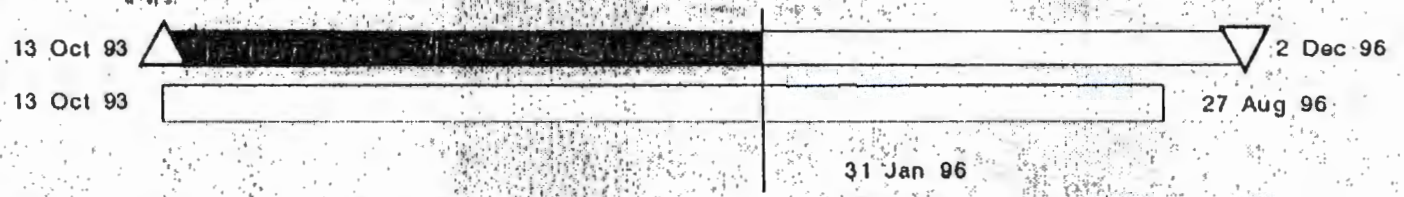


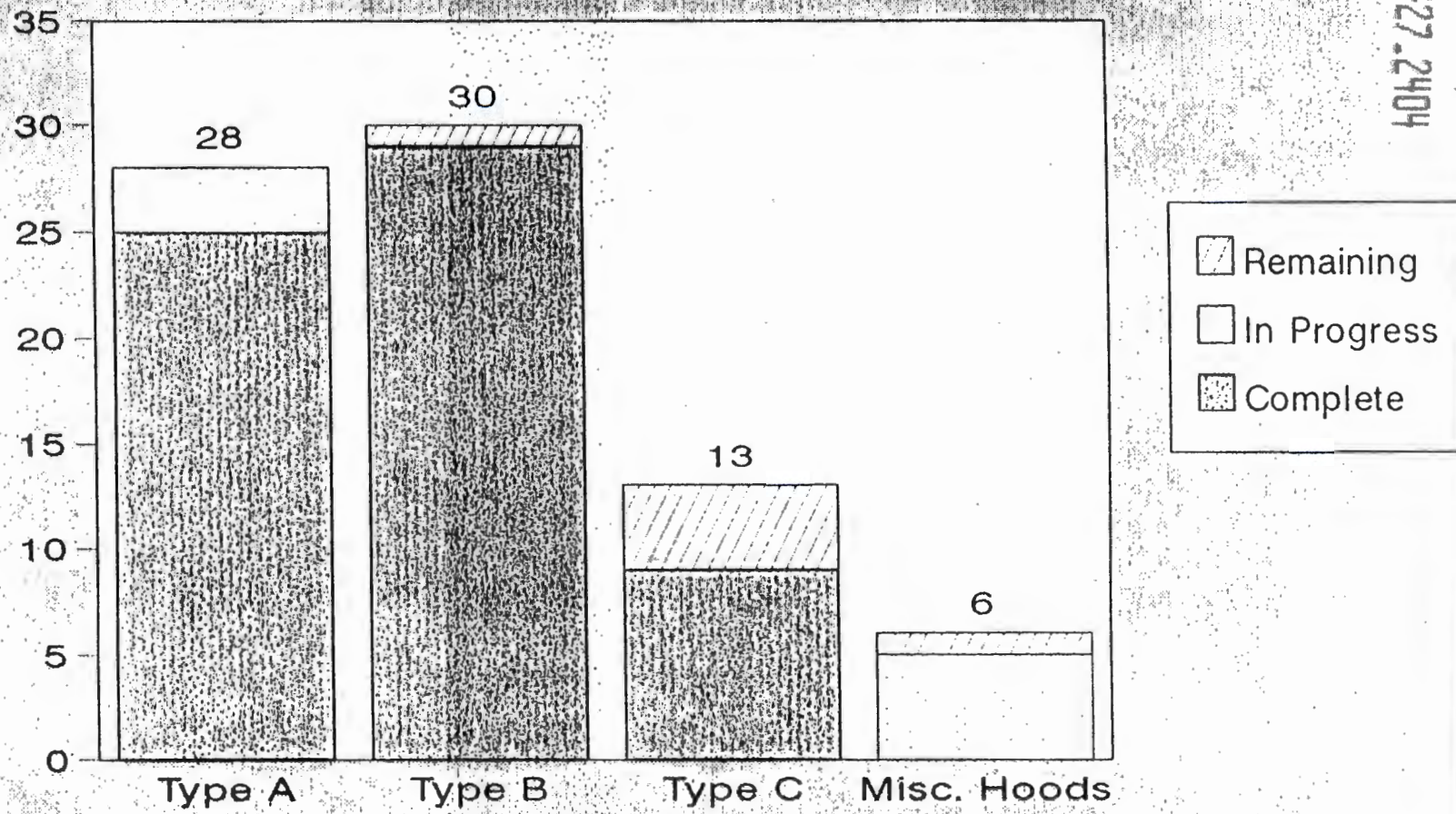
Sample Gallery Deactivation

Summary Schedule Status



Samplers Deactivated

Total Goal = 77 Samplers



28B

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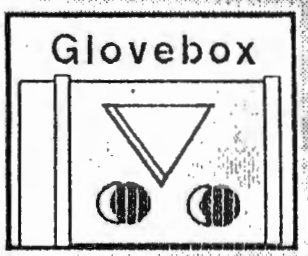
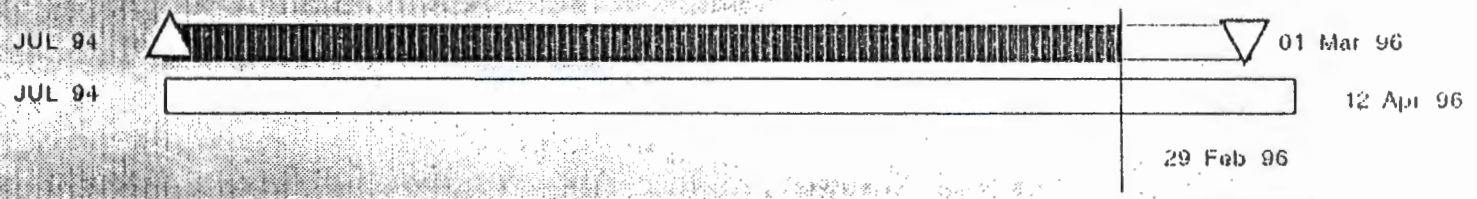
4042-42496

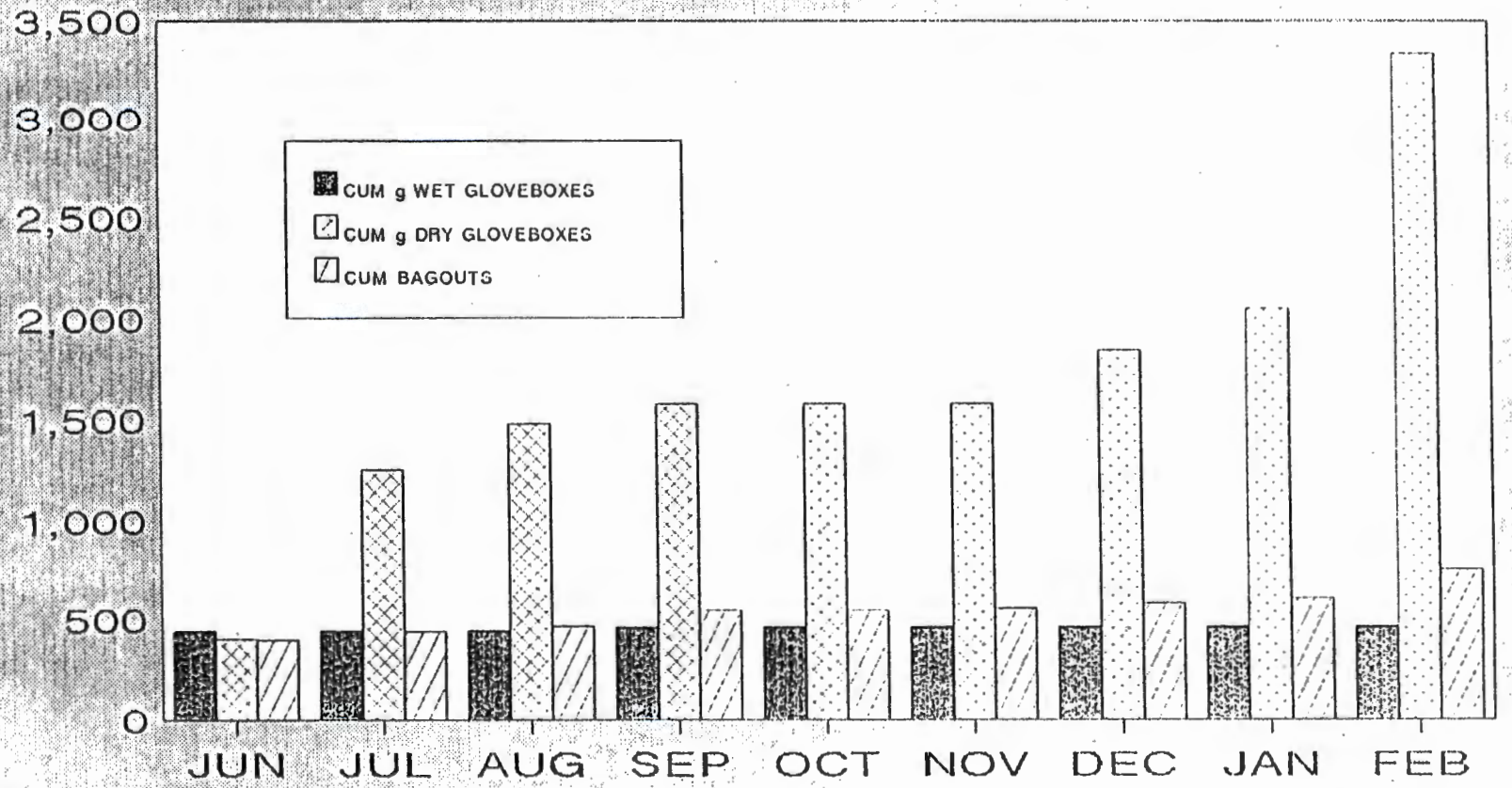
N CELL DEACTIVATION

Summary Schedule Status





GRAMS PLUTONIUM/NUMBER OF BAGOUTS REMOVED



CUM g WET GLOVEBOXES	448	448	448	462	462	464	464	464	464
CUM g DRY GLOVEBOXES	409	1,257	1,482	1,579	1,579	1,579	1,845	2,054	3,337
CUM BAGOUTS	401	445	468	548	548	555	581	604	755

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9613427.2405

N CELL DEACTIVATION

- Wet gloveboxes are complete
- Need <450g Pu or criticality safety analysis in dry gloveboxes (N3 and N4)
  - Determine Pu content using NDA
    - Peer review
    - Smear measurements
    - Material balance
  - Form another work team for PR Room

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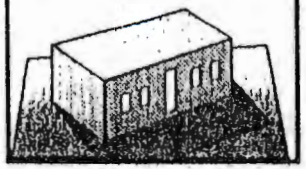
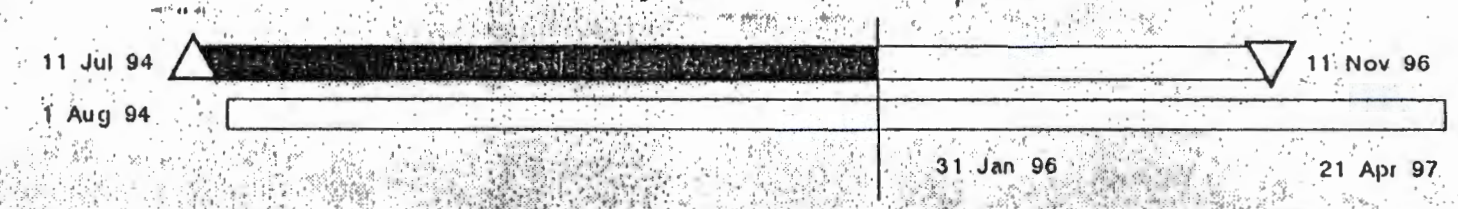
Support



PUREX Ancillary Building Deactivation

Summary Schedule Status



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	Disdolver 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-606	
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

(S) = COMPLETE (O) = IN PROGRESS (/) = REMAINING

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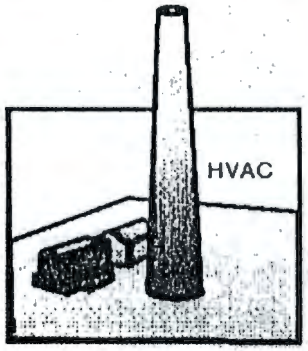
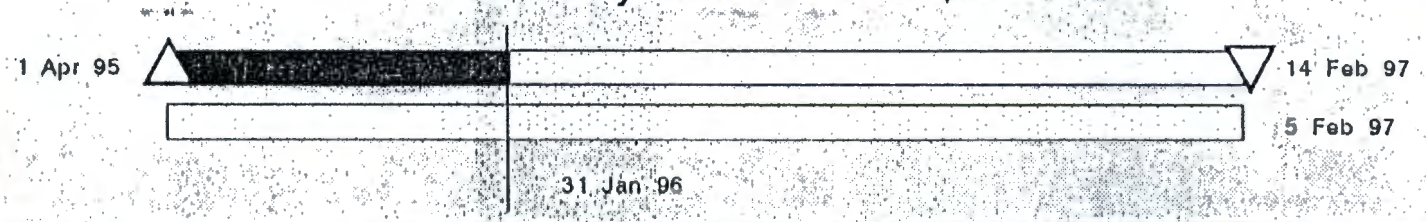


HVAC SYSTEM CONSOLIDATION

Summary Schedule Status



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

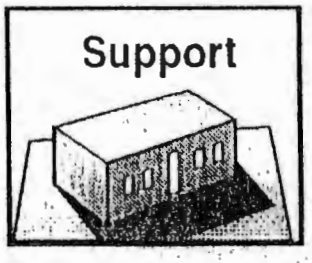
PRE-SWITCHOVER MODS AND PREPARATION

BASEMENT	*SAMPLE GALLERY*	*P&O GALLERY*	*MISCELLANEOUS*
PLANNED	PLANNED	PLANNED	PLANNED
• 9 MODS • 6 WORK PACKAGES • 14 PROCURMENT • 16 FABS	• 1 MODS • 1 WORK PACKAGES • 6 PROCUREMENT • 6 FAB	• 1 MOD • 1 WORK PACKAGE • 2 PROCUREMENT • 2 FABS	• 6 MODS • 6 WORK PACKAGES • 9 PROCUREMENTS • 5 FABS
COMPLETED	COMPLETED	COMPLETED	COMPLETED
• 3 MODS • 5 WORK PKGS • 4 PROCUREMENT • 3 FABS	• 2 MOD • 3 WORK PKG • 5 PROCUREMENT • 2 FAB	• 1 MOD • 1 WORK PKG • 3 PROCUREMENT • 1 FAB	• 2 WORK PKGS • 2 PROCUREMENTS • 1 MOD

8042-27h3196

SWITCHOVER

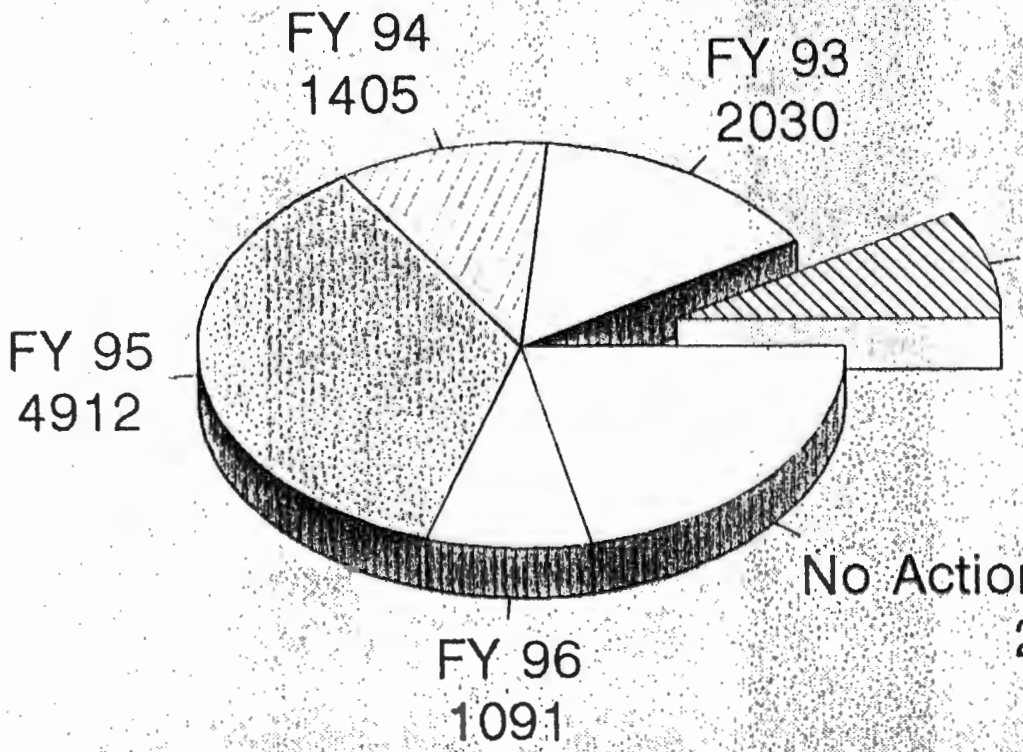
BASEMENT	*SAMPLE GALLERY*	*P&O GALLERY*	*MISCELLANEOUS*
PLANNED	PLANNED	PLANNED	PLANNED
• 13 MODS	• 7 MODS	• 3 MODS	• 3 MODS
COMPLETED	COMPLETED	COMPLETED	COMPLETED



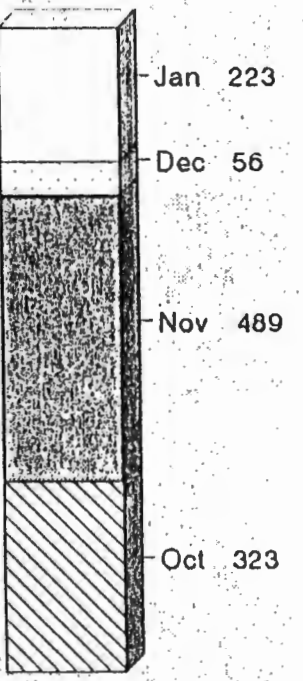
Instrument Deactivation

13,556 Instruments Identified

Project to Date Instruments Deactivated



Instruments Deactivated FY 96



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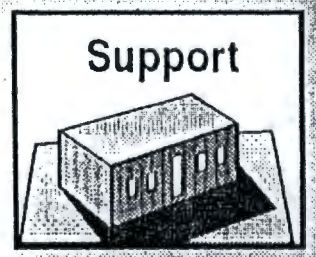
960427.2109

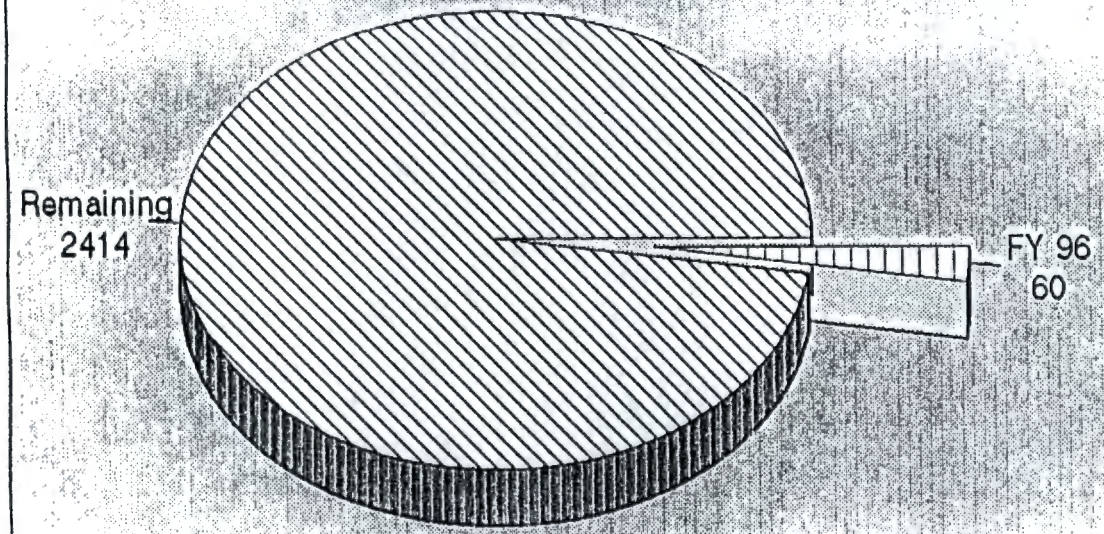


Turnover Team

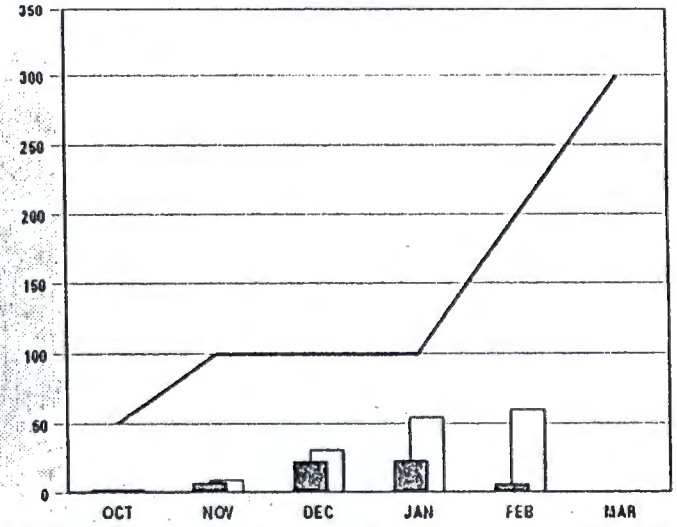
◆ 2474 End Points Identified ◆

Note: All end points are not created equal.

Project to Date End Points Signed



END POINTS SIGNED



EP'S SIGNED	2	7	22	23	6	
CUMULATIVE	2	9	31	54	60	
GOAL	50	100	100	100	200	300

EP'S SIGNED ☐CUMULATIVE —GOAL

FUNCTIONAL AREAS COMPLETED (56 AREAS TOTAL)

PERCENT COMPLETE (0 OF 56)

TURNOVER.CHJ

96/5427.2410

324 BUILDING WASTE

- 8 of 16 shipments received
  - Material being placed in storage tunnel
- Evaluating impacts of receiving additional shipments
  - All mixed waste packaged at 324 Building has been shipped

9613427.2111

RAIL CARS

- 203-A rail cars emptied
- 4 rail cars from TC-4 spur
  - Evaluating need to place them in tunnels

9615427.2412

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*
J. R. Robertson	WHC	H6-21*
F. A. Ruck III	WHC	H6-23*
M. J. Stephenson	WHC	H6-20*
G. T. Tebb	Ecology	B5-18
W. E. Toebe	WHC	H6-22*
B. D. Williamson	WHC	B3-15*
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