

## Meeting Minutes Transmittal

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

August 14, 1996  
7:30 a.m. - 8:30 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: 10/8/96  
Richard X. Gonzalez, Project Manager, DOE-RL

Robert Julian Date: 10/8/96  
Robert Julian, Project Manager, Washington State Department of Ecology

Lucinda L. Grant Date: 10/9/96  
Lucinda L. Grant, Washington State Department of Health

Gregory J. LeBaron Date: 8 Oct 1996  
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 - PUREX Deactivation Status
- Attachment 5 - 216-A-42 Diversion Basin Closeout Message



9613503.2295

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

August 14, 1996  
7:30 a.m. - 8:30 a.m.

- AGENDA -

7:30 AM - 8:30 AM

INTRODUCTIONS

APPROVE PAST MEETING MINUTES

STATUS ITEMS

- PUREX Storage Tunnels Part B
- PUREX Plant and Tunnels Part As
- PUREX Pre-Closure Work Plan
- PUREX Transition Status
- Waste for Storage Tunnel

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

August 14, 1996  
7:30 a.m. - 8:30 a.m.

## Summary of Discussion and Commitments/Agreements

## APPROVE PAST MEETING MINUTES

The Unit Managers Meeting minutes of June 12, 1996 were approved.

## STATUS ITEMS

- **PUREX Storage Tunnels Part B**

Mr. C. Strand (WHC) stated that the PUREX Storage Tunnels Part B revision that was prepared to address Ecology comments was certified by WHC on July 15, 1996. The Part B was then certified by RL on July 26, 1996, and submitted to Ecology the same day. The Part B is scheduled for incorporation in to the Hanford Facility RCRA permit through Modification B. Mr. R. Julian (Ecology) indicated that Modification B was scheduled to begin on September 17, 1996.

- **PUREX Plant and Tunnels Part As**

Mr. Strand stated that the PUREX Plant and PUREX Storage Tunnels Part A, Form 3s, are under revision to support the transfer of management responsibilities from WHC to the new Project Hanford Management Contractor. Mr. Strand clarified that the Washington Administrative Code 173-303 requires a Part A, Form 3, revision to identify a new owner/operator or new cooperator. The Part A revisions are scheduled to be certified by RL and submitted to Ecology by October 1, 1996.

- **PUREX Pre-Closure Work Plan**

Mrs. D. Korematsu-Olund (WHC) stated that the PUREX Pre-Closure Workplan was submitted to Ecology on July 31, 1996. Mrs. Korematsu-Olund also provided a proposed schedule to address any Notice of Deficiencies generated by Ecology. Mr. Julian (Ecology) indicated that the schedule could be accelerated as he had already reviewed the document and generated several informal comments.

- **PUREX Transition Status**

Mr. G. LeBaron (WHC) provided an update to the PUREX deactivation status (Attachment 4). He stated that the residence out milestone has been completed. A definition of residence out was provided with a list of what this status includes. Mr. LeBaron noted that residence out did not include some items such as future work associated with the HVAC.

Mr. LeBaron identified "other work complete", which included shipping all of the organic from Tank 40, the deactivation of all N Cell/PR Room glove boxes, and the deactivation of all Sample Gallery samplers. Mr. Julian indicated the calculations provided for the removal of the organic solution from Tank 40 were acceptable. Mr. LeBaron also indicated the steam has been shut off at PUREX.

Mr. LeBaron indicated 151 endpoints were signed in June and another 221 were signed in July for a current total of over 500. Progress is continuing with about one fifth of the endpoints being completed to date.

Progress on instrument deactivation was reported as good. Over 100 instruments were deactivated in June and July. In addition, over 700 no action instruments were deactivated with the steam shut off. Approximately 500 instruments remain to be deactivated. Mr. Julian asked if any instruments will be operated during the surveillance period. Mr. LeBaron indicated instruments associated with stack monitoring and electrical monitoring would continue to operate.

There was not much progress to report regarding ancillary building deactivation. Mr. LeBaron reported there were some new starts, but there were no new completions. However, ancillary building deactivation will gain emphasis in the near future.

The HVAC consolidation report was given using a new format. Mr. LeBaron indicated that the P & O gallery work was complete. The boxed items on the presentation are waiting for switch over with some remaining planning to be completed. Fabrication and procurement are proceeding as well as some of the basement level work.

## GENERAL TOPICS

- **Additional Topics**

Mr R. Gonzalez (RL) asked Mr. LeBaron if the Tunnel Number 2 door had been sealed following the last placement of waste received from the 324 Building. Mr. LeBaron replied that the Tunnel Number 2 door had been sealed and the water from the Tunnel Number 1 door had been drained. Mr. Gonzalez then asked Mr. LeBaron about the quality of the water drained from the Tunnel Number 1 door. Mr. LeBaron indicated the water was relatively clean and that it had been sent the diversion basin. Mr. Julian then asked how the Tunnel Number 2 door had been sealed. Mr. LeBaron indicated that the door had been taped. He also indicated that efforts to seal the overhead horizontal door would probably use a different method, perhaps a foam sealant.

Ms. L. Grant (WDOH) inquired about the timeline for the work on the HVAC consolidation. Mr. LeBaron indicated that work will continue through next year to complete the last items. The lab stacks were shutdown several weeks ago and there were more stacks remaining to be shutdown, with the main stack to remain operating.

Mr. Julian asked Mr. LeBaron if the less-than-90-day pads had been resolved. Mr. LeBaron indicated that they will be shutdown and others outside the building will be used.

Mr. Julian asked if his cc:mail message, concerning the request of sample results for the 216-A-42 Diversion Basin and the locking of the facility gates, had been received and were there any problems. Mr. LeBaron indicated his message had been received and there were no objections. Mr. Julian asked that the cc:mail message become part of the meeting minutes (Attachment 5).

Mrs. E. Mattlin (RL) asked Mr. Julian about the start of public comment for Modification B to the HF RCRA permit. Mr. Julian indicated that public comment was scheduled to begin on September 17, 1996.

- **Action Items**

**Action item 6-12-96:1**, Mr. LeBaron took an action to provide WDOH a memo that identifies the start and end dates for the six month testing to be performed on the Tunnel Number 2 stack. The WDOH received the memo and this action item is closed.

- **New Action Items**

There were no new action items.

- **Scheduling of Next Meeting**

Mr. Strand will coordinate the scheduling of the next meeting, tentatively set for the second week of October 1996.

## Attachment 3

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

August 14, 1996  
7:30 a.m. - 8:30 a.m.

## Attendance List

NAME	ORGANIZATION	PHONE #
Rick Gonzalez	DOE-RL	373-9922
Cindy Grant	WDOH	206-464-6206
Bob Julian	Ecology	736-5702
Dorothy Korematsu-Olund	RFSH-HWS	376-2628
Greg LeBaron	BWCH	373-1792
Jeff Markillie	Dames & Moore/GSSC	946-3685
Ellen Mattlin	DOE-RL	376-2385
Mike Stephenson	FDH	376-3870
Chris Strand	RFSH-HWS	376-8556

9613503.2300

**Attachment 4**

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

August 14, 1996  
7:30 a.m. - 8:30 a.m.

**PUREX DEACTIVATION STATUS**

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# PUREX DEACTIVATION STATUS

G. J. LeBaron  
August 14, 1996

9613503.2301

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COMPLETED  
RESIDENCE  
OUT

9613503.2302

# RESIDENCE OUT

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- Included:

- » Receive final 324 Bldg. waste/move into tunnel
- » Transfer final waste
- » Drain/isolate process piping
- » Plug/isolate floor drains
- » Deactivate cranes and process equipment
- » Deactivate hoods/samplers

# RESIDENTS OUT (CON'T)

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- » Deactivate process instrumentation
- » De-energize process electrical systems
- » Remove freon
- » Fix contamination
- » Blank canyon routes
- » Isolate/seal some doors
- » Post radiological conditions

# Other Work Completed

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- Shipped all organic from Tank 40
- Deactivated all N Cell/PR Room gloveboxes
- Deactivated all Sample Gallery samplers

# RESIDENTS OUT

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- Did not include:
  - » HVAC modification/deactivation
  - » Utility deactivation
    - Surveillance lighting
  - » Completing tasks effecting HVAC or utility deactivation

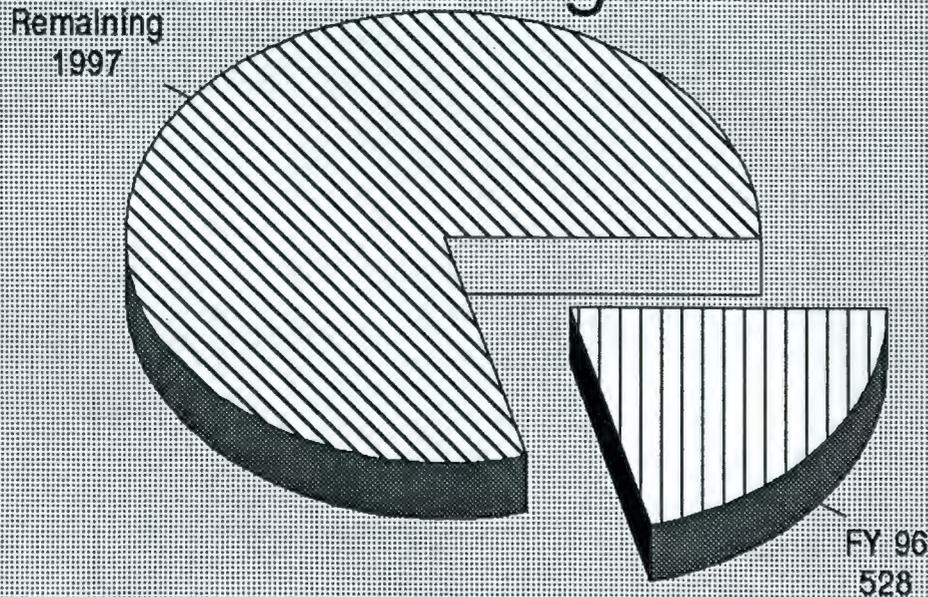


# Turnover Team

2525 End Points Identified

Note: All end points are not created equal.

## Project to Date End Points Signed

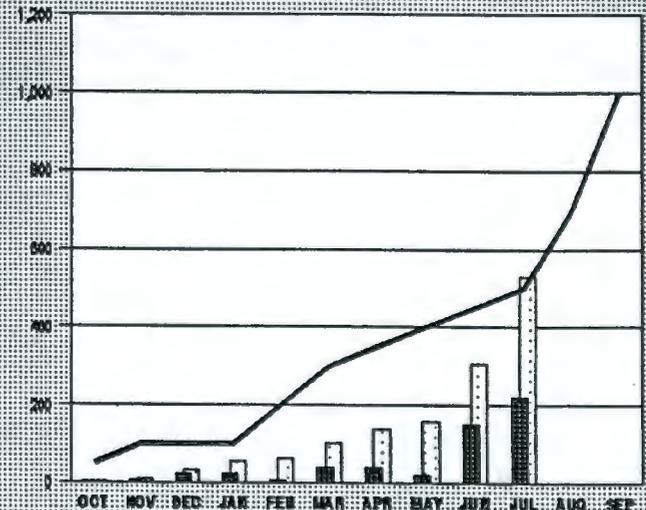


FUNCTIONAL AREAS COMPLETED  
(58 AREAS TOTAL)



PERCENT COMPLETE (0 OF 58)

## END POINTS SIGNED



EP'S SIGNED	2	7	22	23	6	40	38	18	15	221		
CUMULATIVE	2	9	31	54	60	100	138	156	307	528		
GOAL	50	100	100	100	200	300	350	400	450	500	700	1,000

■ EP'S SIGNED □ CUMULATIVE — GOAL

ENDPTS

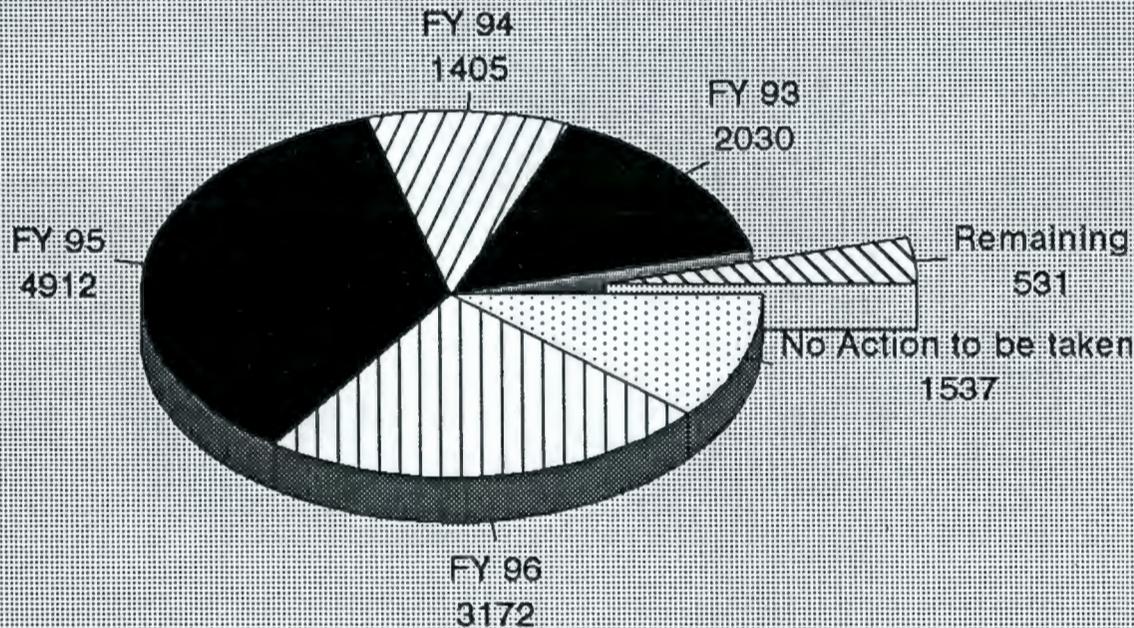
9613503 2307



# Instrument Deactivation

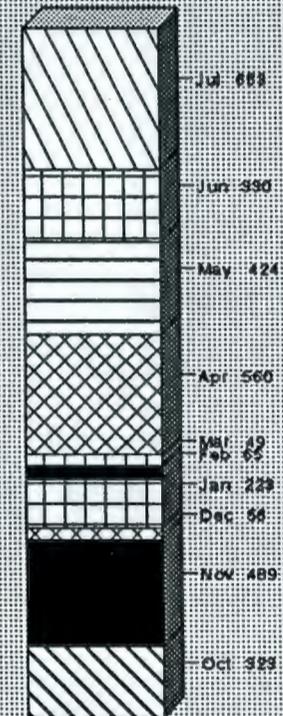
◆ 13,587 Instruments Identified ◆

## Project to Date Instruments Deactivated



## Instruments Deactivated

### FY 96



9613503.2308



# PUREX Ancillary Building Deactivation

## Summary Schedule Status

11 Jul 84

1 Aug 94



6 Nov 96

31 Jul 86

6 Jun 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	N Cell Dry Air	
2712-A	Plant Vacuum Pumps	
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	

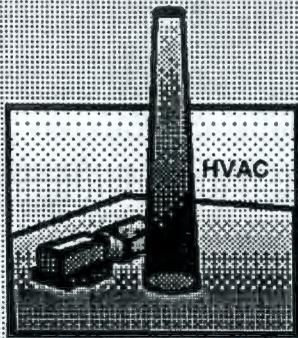
### Category VII (Operable)

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

● = COMPLETE    ⊗ = IN PROGRESS    ○ = REMAINING

6617503 2306



# HVAC SYSTEM CONSOLIDATION

## Summary Schedule Status

1 Apr 85



13 Feb 87



31 Jul 96

3 Jun 97

**NOTE:** Pre-switch over modifications are scheduled to be complete October 1996

PIPE AND OPERATING GALLERY 712	PLN	PROC	FAB	INST
SUPPLY DUCT MODIFICATION/ANALYSIS	C	C	C	C
WHITE ROOM AIR FLOW DIVERSION	70%	C	n/a	
CANYON LOBBY EXHAUST BLANK	C	C	C	

BASEMENT LEVEL 613	PLN	PROC	FAB	INST
SUPPLY DUCT ANALYSIS/MODIFICATION (STORAGE GALLERY)	C	C	C	C
REMOVE R-CELL INTERNAL FILTERS	C	C	C	C
SEAL OFF R-CELL VENTILATION SUPPLY	C	C	C	C
SEAL COVER BLOCKS, R-CELL	C	C	n/a	
SEAL OFF U-CELL VENTILATION SUPPLY	C	C	C	C
REMOVE U-CELL INTERNAL FILTERS	C	C	C	C
SEAL COVER BLOCKS, U-CELL	C	C	n/a	C
HOT SHOP LOBBY MODIFICATION	C	C	n/a	
Q-CELL AMU CRACK REPAIR	C	C	C	C

ISOLATE N-CELL ROOM EXHAUST DUCT AND ADD FILTER	C	C	C	
BLANK N-CELL SUPPLY IN SAMPLE GALLERY	C	C	C	
BLANK Q-CELL EXHAUST DUCT TO PR	C	C	C	
BLANK Q-CELL AMU DUCT TO HOT CELL	C	C	C	
BLANK Q-CELL MAINTENANCE ROOM EXHAUST FILTER	C	C	C	
BLANK PR ROOM SUPPLY IN SAMPLE GALLERY	C	C	C	
BLANK/FOAM PRODUCTS ENTERING PLENUM 4		80%		
FOAM PR DUCT TO F.B. 1 & 2 & LINE TO R-CELL		C	n/a	
REMOVE THE ELBOW IN HOT SHOP	C	C	n/a	
STORAGE GALLERY MOD. BLANK/SHUTDOWN EXH. FAN	70%	C		

SAMPLE GALLERY	PLN	PROC	FAB	INST
SUPPLY DUCT ANALYSIS/MODIFICATION	C	C	C	C
BLANK Q-CELL SUPPLY IN SAMPLE GALLERY	C	C	C	C
FRACTIONATOR VENTILATION (sample gallery)	C	C	C	C
FIX SAMPLE GALLERY HOOD EXHAUST	C	20%	n/a	8%
EAST SAMPLE GALLERY ROOM EXHAUST	C	C		
EAST SAMPLE GALLERY HOOD EXHAUST	C	C		
WEST SAMPLE GALLERY HOOD EXHAUST	C	C	90%	
WEST SAMPLE GALLERY ROOM EXHAUST	C	C	95%	
ISOLATE SAMPLE GALLERY	20%	C	n/a	

MISCELLANEOUS LOCATIONS	PLN	PROC	FAB	INST
INSPECTION 202A ROOF	C	C	C	C
INSTALL SIGN AND CHAIN FENCE AROUND FILTERS	C	C	C	C
LAB HOODS & DUCT FIXATION	C	C	C	C
LABORATORY HOOD EXHAUST SYSTEM	C	C	C	C
COLUMN 1 & 42 STARWELL MODIFICATIONS	C	C	n/a	
BLANK DEEP BED #1	C	C	C	
TUNNEL #1 EXHAUST BLANK	C	C	C	C
TUNNEL #2 EXHAUST BLANK				
BURIAL TUNNEL SHIELD DOORS #2	C			
INSTALL PLUGS IN TUNNEL ENTRY DRAIN/DECON	C	C	n/a	C
SEAL RR TUNNEL OUTSIDE TUNNE DOORS	C	C		
OVERHEAD RAILROAD DOOR MODIFICATION	C	25%		
MODIFY DUCT AND INSTALL BACKDRAFT DAMPERS				
SEAL RR TUNNEL BACKDRAFT DAMPERS	C	C	C	C
PR FAN DEACTIVATION/DECONTAMINATION (OUTSIDE)	40%	C		
AIR IN-LEAKAGE TO 202A/INCLUDING VACUUM BREAKER				
INSPECT/MODIFY/SECURE 202A DOORS & OPENINGS				
ALTERATIONS/BLANK/FOAM MISC SUPPLY DUCTS				
ECMP FLOW REGULATION - PHASE 1	C	n/a	C	C
ECMP FLOW REGULATION - PHASE 2	10%			



SWITCH OVER

C=Complete

0613503 2310

9613503.2311

**Attachment 5**

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

**August 14, 1996  
7:30 a.m. - 8:30 a.m.**

**216-A-42 DIVERSION BASIN CLOSEOUT MESSAGE**

9615503.2512

Author: Robert J (Bob) Julian at ~HANFORD02A

Date: 8/13/96 8:55 AM

Priority: Normal

TO: Gregory J LeBaron at ~WHC139

TO: R X (Rick) Gonzalez at ~DOE16

TO: Donald B Beagles at ~WHC304

TO: Douglas G (Doug) Hamrick at ~WHC352

CC: Robert W (Bob) Wilson

CC: David S Dougherty

CC: Kevin C Christensen at ~WHC51

CC: Steven J Skurla

CC: Robert J (Bob) Julian

Subject: 216-A-42 Diversion Basin Closeout

----- Message Contents -----

As a result of the August 8, 1996 meeting between USDOE, Ecology, and WHC, Ecology understands the following regarding the use of the 216-A-42 Diversion Basin:

- The basin routinely received (until recently) steam condensate from heating the Filter Building and occasional diversions from the chemical sewer line (CSL) due to pH or rad upsets within PUREX
- Current inventory in the basin is approximately 200,000 gallons and the further addition of about 20,000 gallons of wastewater is expected from the draining of the PUREX Tunnel #1 door in about one (1) months time
- The basins are expected to be taken out of service by April 1997 (after the discharge of all liquids from the basin using normal methods with a heel of about 6 inches expected to remain)
- The wastewater is expected to meet TEDF acceptance criteria.

It must be noted that the last time the basin was dumped to TEDF, Ecology raised objections to the discharge. USDOE/WHC committed, in writing to stay below the Derived Concentration Guides (Early Warning Level of 40 pCi/L) and below the state ground water standard of 50 pCi/L. The grab samples at TEDF end of pipe average during the basin discharge was 31 pCi/L with a peak of 77.8 pCi/L, and for composites the average was 43 pCi/L with a peak of 60.3 pCi/L. The end of pipe concentrations were 10 times what was predicted, and did exceed both the Derived Concentration Guide Early Warning level and the state ground water standard. The alpha levels also ended up 10 times the predicted levels (but still rather low).

Ecology wants to see the discharge managed so as to not exceed the regulatory limits. Since the basin will be taken out of service in the near term, Ecology perceives no significant threat to human health or the environment from this short term use. However, please be aware that waste entering the diversion basin must be designated at the point of generation, not after dilution within the basins. Also, Ecology has concerns regarding the potential for the application of the 'derived from rule' due to past uses of the basin. Ecology believes that the additions of large volumes of uncontaminated water over a long period of time have reduced the potential for constituent concentrations over regulatory limits.

Contingent upon the 216-A-42 Basin going out of service by April of 1997, and in consideration of the environmental considerations mentioned above, Ecology will exercise its enforcement discretion with

regards to the effluent currently retained in the 216-A-42 Basins and the water from Tunnel Number 1 door and therefore require no further action at this time.

Ecology requests an opportunity to review wastewater sampling results before discharge of the wastewater to TEDF. Ecology also requests that for safety reasons the gates to the facilities remain locked to prevent uncontrolled entry.

Please forward the sampling results and any further questions regarding this matter to Mr. Bob Wilson at 735-3031.

## DISTRIBUTION COVERSHEET

Author  
C. P. Strand

Addressee  
Distribution

Correspondence No.  
31210-96-001

Subject: PUREX PLANT/STORAGE TUNNELS PROJECT MANAGERS MEETING

## DISTRIBUTION

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

\* cc:Mail

\*\* cc:Mail and hard copy

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