

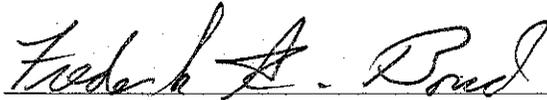
PFP Project Managers Meeting
Federal Building
Richland, Washington
August 17, 2006
3:30 p.m. – 4:30 p.m.
Meeting Minutes Transmittal

0071256

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

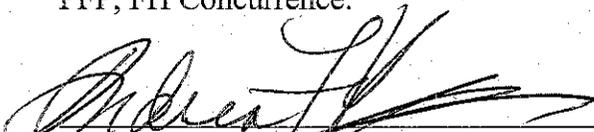

S. L. Charboneau, PFP Project Manager, DOE-RL

Date: 9/19/06


F. W. Bond, Project Manager,
Washington State Department of Ecology

Date: 9/19/06

PFP, FH Concurrence:


A. M. Hopkins, Contractor Representative, FH

Date: 9/19/06

Purpose: Project Managers Meeting

Attachment 1: Agenda, Action Tracking List and Summary of Discussions

Attachment 2: Presentation Materials

Attachment 3: Attendee List

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Distribution:

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R. E. Heineman	FH	T1-40
A. M. Hopkins	FH	H8-25
J. E. Hyatt	FH	H8-40
D. E. Jackson	RL	A4-52
G. A. Johnston	FH	T5-30
D. B. Klos	FH	T4-35
E. M. LaRock	FH	T4-33
E. M. Mattlin	RL	A5-15
R. E. Piippo	FH	H8-12
R. W. Oldham	FH	T3-10
C. S. Sutter	FH	T4-32

ADMINISTRATIVE RECORD - Debbi Isom (two copies): H6-08

Please send comments on distribution list to Rob Piippo, H8-12 (373-3285).

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Attachment 1: Agenda, Action Tracking List, and Summary of Discussions

1.0 Administrative Issues

- The meeting minutes from the July 13, 2006 PMM were approved.
- No new actions were established.

2.0 PFP Project Item Status

Ellen Mattlin provided the project status. The project is working to acquire additional funding for fiscal year 2007. The FY07 budget for PFP is less than FY06 and a layoff is planned for September. There could be a delay in consolidation of materials. RL requested direction from HQ by August 30 as to the decision to ship materials. The plant is continuing to perform upgrades and is performing very well.

3.0 Milestone Status

- **M83-40** Complete transition and dismantlement of the 232-Z Bldg incinerator to slab-on-grade (pending environmental determination) **DUE 9/30/06**.

Status: Milestone is complete, letter from DOE has been prepared and is on the way to the regulators.

- **M83-22** Submit to Ecology an Engineering Evaluation/Cost Analysis(es) (EE/CA(s) for approval and provide an action memorandum(a) as a primary document(s) for the decommissioning of the PFP facility **DUE 9/30/08**

Submit sub-surface EE/CA to Ecology 9/30/06

Andrea Hopkins, the EE/CA is on schedule and will be provided to DOE for review and comment on August 31, 2006. Ecology has discussed the EE/CA with EPA Dennis Faulk and no issues are expected. Draft will go through the project and FH internal review on July 31 and will be provided to RL on August 30. This EE/CA will be the final and will close out the interim milestone once submitted to the regulators.

A copy of the EE/CAs Structures and Installations in Removal Action Scope was provided to Ecology for review and is included in attachment 2.

- **M83-41** Complete transition and dismantlement of the 216-Z-9 crib **DUE 9/30/10**

Status: Andrea Hopkins stated the project is being planned to begin in 2008.

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- **M83-32** Complete closure of the PFP 241-Z unit **DUE 9/30/11**

Status: See Attachment 2, Item 1.

- **M83-42** Complete transition and dismantlement of the 241-Z waste treatment facility **DUE 9/30/11**

Status: At this time it is planned to be completed next year well ahead of the TPA milestone schedule date

4.0 New Topics

Rob Piippo discussed the direction provided by EPA Dave Bartus in receiving PMM minutes updates. Dave has been removed from paper distribution and included electronically. Dave sent an email with the following: Rob: I would like to continue receiving PFP Project Managers Meeting minutes, but would like to see if I can receive them electronically instead of hard copy. Can you arrange for electronic delivery? For my purposes, I really don't care whether or not what I get actually has signatures, if that makes electronic distribution easier.

My contact information is now:

Dave Bartus
EPA Region 10
1200 6th Ave., MS AWT-122
Seattle, WA 98101

A tour and PMM were agreed to be held out at PFP in September.

5.0 Next Meeting

September 19, MO 273, 9:00

2006 ACTION TRACKING LIST

Action	Assignee	Date Established/ Due Date	Status

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Attachment 2: Presentation Materials
Item 1

PFP August 17, 2006 PMM

M83-32

M83-42

Jerry Johnston

FH PM for 241-Z Transition

M83-32 Scope - Complete closure of the PFP 241-Z TSD Unit - Due 9/30/11

M83-42 Scope - Complete transition and dismantlement of the 241-Z Facility - Due 9/30/11

Status

- The PE Closure Certifications for 241-Z Cells D5 and D8 were certified and stamped by the PE on August 2, 2006.
- A DQO meeting was held August 9, 2006 to incorporate NDA data into the evaluation of the piping and to facilitate the sampling of the tank interior surface.
- Cell D4 Status:
 - 32 cell entries completed as of 8/16/06
 - Process pipe removal completed (1,000 lbs. of pipe)
 - Cell floor cleaning completed
 - RCRA samples of cell surfaces and tank completed
 - Staging and preparations are ongoing for plasma arc cutting access opening in the tank wall next week
- Cells D7 Status:
 - 26 cell entries completed as of 8/16/06
 - Above grating process pipe removal completed (1,500 lbs. of pipe)
 - Cleaning of cell floor started
- Refer to page 2 for a tabular summary of the status of the documentation associated with the RCRA Closure activities and the FY06 CERCLA activities.
- The removal of the 241-ZA sample glovebox is currently being worked with the removal planned for completion by August 24, 2006.
- Schedule recovery actions are underway to support completion of 241-Z RCRA closure activities by September 30, 2006.

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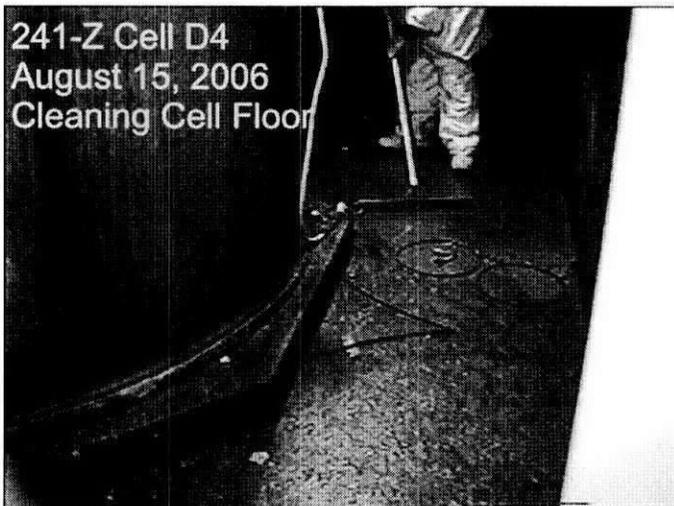
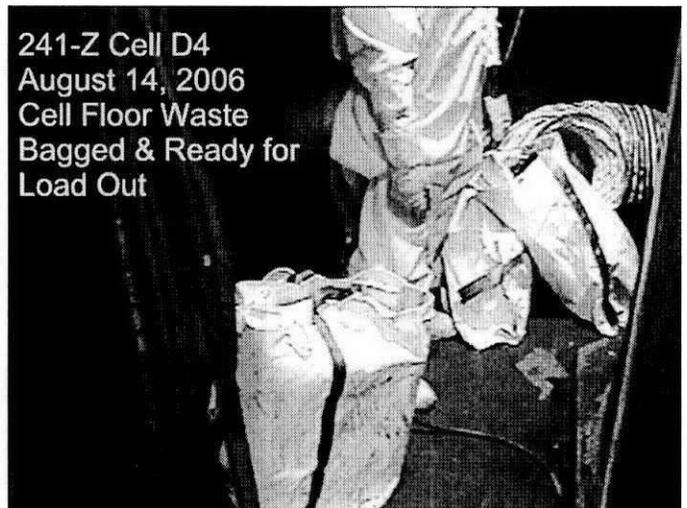
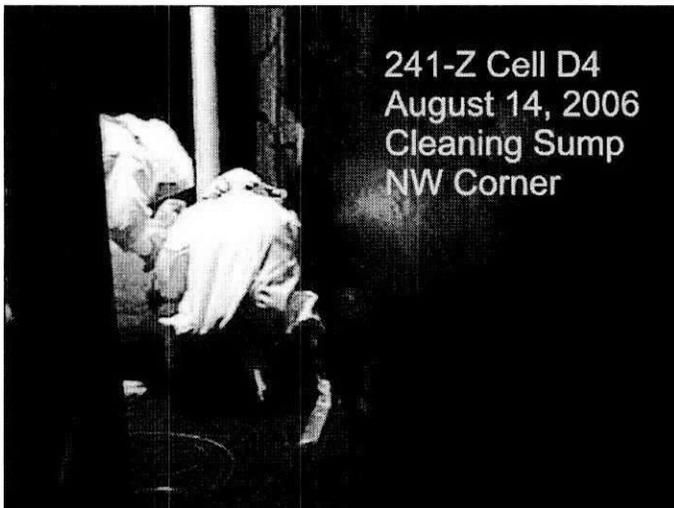
RCRA Closure		D-4	D-5	D-7	D-8	Other	Other is
	Stainless Steel Tank						
1	Internals		Note 2		Note 2		
2	Void space beneath		Note 2		Note 2		
3	Externals		Note 2		Note 2		
4	Overflow tank (D-7 only, 700 L)						
5	Concrete containment vault cell	Note 3	Note 2		Note 2		
6	Ancillary & sample piping in cell	Note 5	Note 2		Note 2		
7	Soil beneath containment vault		Note 2		Note 2		
8	Piping from 234-5Z	Note 1	Note 1	N/A	Note 1		Trench
9	Glovebox GB-2-241-ZA						241-ZA

CERCLA Closure FY06		D-4	D-5	D-7	D-8	Other	Other is
	TRU Waste Removal						
1	Process Piping	Note 5	Note 5		Note 5		241-ZA
2	Clean Floor	Note 3	Note 3		Note 3		241-ZA
3	Clean Tank		Note 9		Note 9		
4	Isolate/seal piping and vent penetrations at building boundaries	Note 11	Notes 10, & 11		Note 11		241-ZA
5	Characterization data for items remaining after transition		Note 9		Note 9		241-ZA
6	Stabilize below grade spaces (housekeep, remove loose equipment, remove chemicals, fix contamination),		Note 9		Note 9		
7	Remove structures						241-ZG

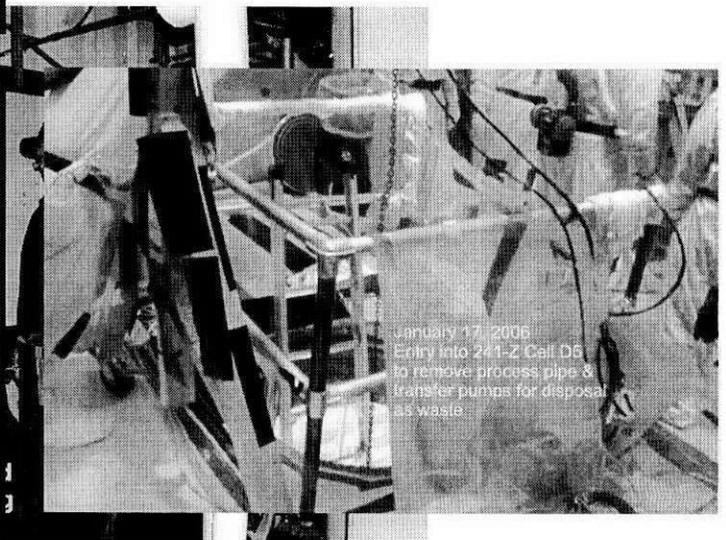
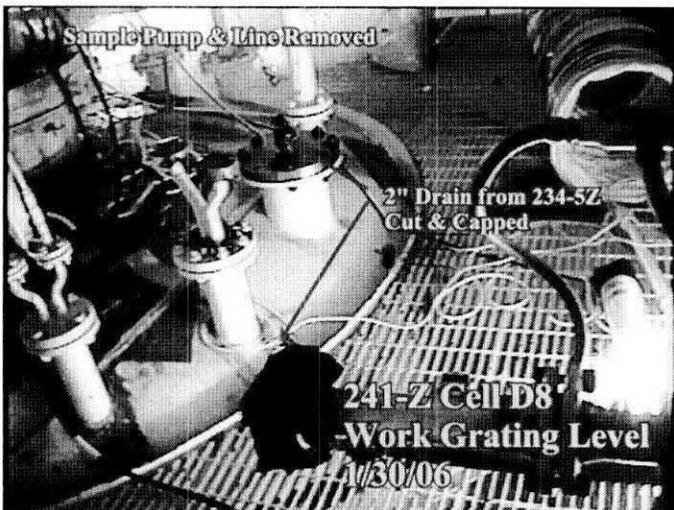
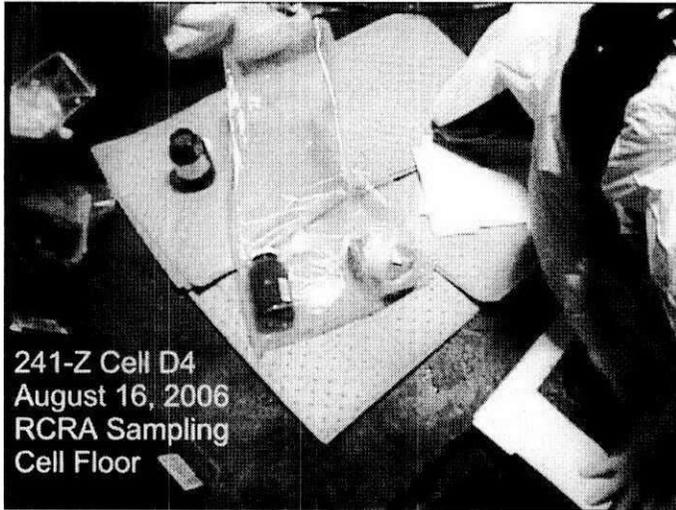
	Notes	RCRA PE Submittal #
1	Piping Sampled	
2	PE Certification D5 & D8 complete	HNF-30205 & HNF-30206
3	Cell Floor and Sump Cleaned	N/A
4	Floor and tank base inspected for cracks	
5	Process Piping removed	
6	Tank exterior, floor, cell wall, and sump sampled	
7	Floor and tank base inspected for cracks	
8	Sludge removed from tank.	
9	Task completed and documented in accordance with a cell specific PFP work package. NDA results being evaluated.	N/A
10	The vent from Cell D5 to TK-D9 will be capped during 241-ZA transition	N/A
11	Lines capped at exterior walls, the 15" vitrified clay cell ventilation lines are considered "cell-to-cell" pipes remain open	N/A

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Attachment 2: Structures and Installations in Removal Action Scope

Table 0-1. Structures and Installations in Removal Action Scope.¹ (6 pages)

Structure/ Installation Designation	Description	Comment
Contaminated Building Slabs		
232-Z	Contaminated Waste Recovery Process Facility, including buried ductwork between 232-Z and 291-Z	Building slab and sub-grade ductwork contaminated. Ductwork is filled with concrete.
234-5Z	Plutonium Fabrication Facility, includes below-grade tunnels and pipe trenches	Building slab/tunnels/trenches contaminated.
236-Z	Plutonium Reclamation Facility, including buried ductwork between 236-Z and 291-Z	Building slab and ductwork contaminated.
241-Z	Tank Farm Waste Disposal Building, includes below-grade vault, pipe trench, and ductwork	Building slab, vault, pipe trench, and ductwork contaminated.
241-ZA	Sample Building	Building slab contaminated.
241-Z-RB (also known as 207-Z)	Retention Basin and valve pit	Retention basin/valve pit contaminated. Retention Basin/valve pit are filled with controlled-density fill.
242-Z	Waste Treatment Facility	Building slab contaminated.
243-Z	Low-Level Waste Treatment Facility	Building slab contaminated.
243-ZA	Low-Level Waste Storage Facility	Building slab contaminated.
2736-ZA	Plutonium Storage Ventilation Structure	Building slab contaminated.
2736-ZB	Plutonium Storage Support Facility	Building slab contaminated.
2904-ZA	Radiation and Flow Monitoring Station	Building slab contaminated.
2904-ZB	Monitoring Building	Building slab contaminated.
291-Z	Exhaust Air Filter Building, includes below-grade fan house, exhaust plenum, and ducting to 291-Z-001	Building slab/below-grade portions contaminated. (Assume structure not filled by above-grade structures removal action activities.)
291-Z-001	Stack, includes below-grade portion of stack structure	Stack slab/structure contaminated. (Assume structure not filled by above-grade structures removal action activities.)
Contaminated French Drains and Injection Wells		
216-Z-13	French Drain, east of 291-Z	Also identified as an injection well at miscellaneous stream number 261.
216-Z-14	French Drain, west of 291-Z	Also identified as an injection well at miscellaneous stream

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		number 262.	
216-Z-15	French Drain, north of 291-Z	Also identified as an injection well at miscellaneous stream number 263.	
Contaminated Injection Wells			
Miscellaneous Stream Number 232	241-Z Building – Eyewash/safety shower. Location: East side of 241-Z		
Miscellaneous Stream Number 234	241-Z Building – Main steam line trap		
Miscellaneous Stream Number 235	241-Z Building – Waste tank steam supply trap. Five steam traps discharge to the same injection well.		
Unplanned Releases			
Undocumented UPR @ 241-Z Trench	In February 1969, the D-6 waste pipeline from the 234-5 and 236-Z Buildings to the 241-Z Sump failed in concrete pipe trench resulting in a release to soil of an estimated 3,000 gal of process waste.	As of this writing, this release has not been recorded in the Waste Information Data System.	
Undocumented UPR @ beneath 234-5Z	Potential releases may have occurred from direct buried piping or from pipe trenches located beneath the 234-5Z building slab and may have leaked into the soils beneath the slab.	As of this writing, this release has not been recorded in the Waste Information Data System.	
UPR-200-W-23	In June 1953, a fire in a waste box contaminated approximately 28 m ² (300 ft ²) of ground. Plutonium contamination resulted in readings up to 10,000 dpm. This release is located near the south wall of 234-5Z, approximately 61 m (200 ft) north of the 291-Z stack	A 1999 walkdown could not locate this site. The contaminated area was covered with blacktop and posted.	
UPR-200-W-103	In April, 1971, the line from the 234-5Z complex to the 216-Z-18 crib broke near the southeast corner of the 236-Z Building. The release contained approximately 10 grams of plutonium with gross alpha contamination >6,000,000 dpm. This release is located 1.8 m (6 ft) south and 3.7 m (12 ft) west of the SW corner of the 236-Z building.	An area measuring 7.6 m (25 ft) by 1.8 m (6 ft) by 2.1 m (7 ft) deep was excavated around the leak. Approximately 100 55-gal barrels of contaminated soil was removed and buried. A considerable amount of contaminated soil remained when the excavation was backfilled. The site is posted with underground radioactive material area warning signs.	
Contaminated Buried Pipelines & Diversion Boxes²			
Pipeline Designation	Route	Material	Comments
Diversion Box No. 1 (200-W-58)	N/A	Concrete	Includes adjacent drain field. (Assume filled with controlled-density fill by Above-Grade Structures EE/CA.)
Diversion Box No. 2 (200-W-59)	N/A	Concrete	Includes adjacent drain field. (Assume filled with controlled-density fill by Above-Grade Structures EE/CA.)

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½"-M9	241-Z east wall to 241-ZA	SST	Pipeline has a 6" SST pipe encasement.
½"-Supply & Return	241-Z to 2'-8" from west wall of 241-ZA	SST	Pipeline has a 2" SST pipe encasement.
3"-DR-M24	2736-ZB to pipe tie-in approximately 20' from west side of 241-Z	CS	
1"-CUU-5030-M9	236-Z west wall to 241-ZB	SST	Pipeline has a 4" SST pipe encasement.
3"-D6	232-Z south wall to concrete encasement north of 241-Z	SST	
2"-LSW/HSW-M9	234-5Z south wall to 241-Z west wall	SST	Pipeline has a 6" SST pipe encasement.
2"-LSW/HSW-M9	236-Z west wall to tie-in approximately 59' west of 236-Z	SST	In concrete trench.
3"-D8-1085	234-5Z south wall (Tunnel 3) to 241-Z north wall	SST	In concrete trench.
3"-D7-1084	234-5Z south wall (Tunnel 3) to 241-Z north wall	SST	In concrete trench.
8"-D6	234-5Z south wall (Tunnel 3) to 241-Z north wall	SST	In concrete trench.
4"-D4-1081	234-5Z north wall (Tunnel 3) to 241-Z north wall	SST	In concrete trench.
4"-D5-1082	234-5Z south wall (Tunnel 3) to 241-Z north wall	SST	In concrete trench.
4"&6"-Process Waste Drain	241-Z south wall (D4, D5, and D6 cells) to 241-Z-361 Settling Tank north wall	SST	Pipe size changes from 4" to 6". 241-Z-361 Settling Tank is addressed in separate EE/CA.
6"-Waste Water	241-Z-RB Retention Basin (west wall) to 241-Z-361 Settling Tank (north wall)	CS	241-Z-361 Settling Tank is addressed in separate EE/CA.
6"-Waste Water	241-Z-RB Retention Basin (south wall) to manhole #Z7 (near 2904-ZA)	CS	
8"-D3	South wall of 234-5Z to 241-Z-RB Retention Basin (west wall)	CS	
6"-Process Waste	Diversion Box No. 2 to 216-Z-12 Crib fence	SST	
8"-Process Waste	241-Z-361 Settling Tank to Diversion Box No. 1 (north wall)	SST	241-Z-361 Settling Tank is addressed in separate EE/CA.
6"&12"-Process Waste Drain	Diversion Box No. 2 to 216-Z-12 Crib fence	SST & VCP	Pipe material changes to VCP from SST at 12" x 6" reducer.
6"-Process Waste	Diversion Box No. 1 to Diversion Box No. 2	SST	
4"&12"-Drain	Diversion Box No. 1 (southeast corner) to adjacent drain field	VCP	Pipe size changes from 4" to 12".
8"-Process Waste Drain	Diversion Box No. 1 (south wall) to 216-Z-2 Crib fence	SST	
4"&12"-Drain	Diversion Box No. 2 (northwest corner) to adjacent drain field	VCP	Pipe size changes from 4" to 12".

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8"-VCP	Tie-in location into 8" pipe between 216-Z-2 Crib and Diversion Box No. 1, to 216-Z-3 Crib fence	VCP	
1-½"&2"-M-21-1036	Near 242-Z Airlock to 216-Z-1A Tile Field fence	SST	
1-½"&2"-M-21-1035	West of 242-Z Airlock to 216-Z-1A Tile Field fence	SST	Near 242-Z, a portion of pipeline is located inside a concrete trench. Pipe sizes change from 1-1/2" to 2".
1-½"-Hood 42	Tie-in at 1-1/2" P-M21-1036 Process drain pipe near 242-Z Airlock to 234-5Z	SST	In concrete trench.
1-½"-M-21-1036	242-Z Airlock to exit point from buried concrete trench	SST	In concrete trench.
4"-P-M21-1081	242-Z west wall to 234-5Z south wall	SST	In concrete trench.
4"-P-M21-1082	242-Z west wall to 234-5Z south wall	SST	In concrete trench.
3"-P-M21-1084	242-Z west wall to 234-5Z south wall	SST	In concrete trench.
3"-P-M21-1085	242-Z west wall to 234-5Z south wall	SST	In concrete trench.
4"-M21-D6	242-Z west wall to 234-5Z south wall	SST	In concrete trench.
2"-HSW-202-M8	241-Z south wall to Tank Farms (up to PFP outer fence)	SST	Pipeline has a 4" SST pipe encasement.
2"-HSW-203-M8	241-Z south wall to Tank Farms (up to PFP outer fence)	SST	Pipeline has a 4" SST pipe encasement.
1-½"-Drain	234-5Z east wall to 216-Z-9 Crib	SST	
1-½"-Drain	234-5Z east wall to 216-Z-9 Crib	SST	
1-½"-Drain	234-5Z east wall to 241-Z-8 Settling Tank	SST	
1-½"-Drain	234-5Z east wall to 241-Z-8 Settling Tank	SST	
3"-D6-Drain ³	232-Z south wall to 241-Z north wall	SST	Drawing shows pipeline in 6" pipe encasement. This line may not actually exist.
1-½"-P-M21-1020-HNO3	242-Z west wall to 241-Z north wall	SST	Partially routed through concrete trench.
1-½"-P-M21-1011-ANN	242-Z west wall to 241-Z north wall	SST	Partially routed through concrete trench.
1-½"-P-M10-1014-NAOH	242-Z west wall to 241-Z north wall	CS	Partially routed through concrete trench.
15" VCP	Manhole #Z1 (near 232-Z) to 216-Z-20 Crib (through manholes #Z2, #Z7, #Z8 and #2).	VCP	
15"-VCP	Manhole #Z6 (north of 241-ZB) to manhole #Z7 (near 2904-ZA)	VCP	
15"-VCP	Manhole #Z5 (south of 243-ZA) to manhole #Z6 (southwest of 243-ZA)	VCP	

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15"-VCP	Manhole #Z4 (west of 236-Z) to manhole #Z5 (south of 243-ZA)	VCP	
3"-H22	236-Z to manhole #Z4 (west of 236-Z)	unknown	
6"-VCP	236-Z to manhole #Z4 (west of 236-Z)	VCP	
4"-CI	236-Z to manhole #Z4 (west of 236-Z)	CI	
6"-ABS	243-ZA sump to manhole #Z5 (south of 243-ZA)	ABS	In encasement pipe.
10"-CS	243-Z to 243-ZA sump	CS	
4"-CS	243-ZB to 243-ZA sump	VCP	
3"-CS	243-ZA sump to manhole #Z6 (southwest of 243-ZA)	VCP	
15"-VCP	Manhole #Z3 (west of 291-Z) to manhole #Z6 (southwest of 243-ZA)	VCP	
6"-VCP	291-Z to manhole #Z3 (west of 291-Z)	VCP	
3"-Acid Proof Chemical Drain	234-5Z to manhole #Z3 (west of 291-Z)	unknown	
4"-VCP	232-Z to tie-in east of 232-Z	VCP	
15"-VCP	Cleanout point (north of 232-Z) to manhole #Z1 (south of 232-Z)	VCP	
15"-VCP	Cleanout point (south of 2731-ZA) to manhole #Z1 (south of 232-Z)	VCP	
15"-VCP	Cleanout point (north of 2736-ZB) to cleanout point (south of 2731-ZA)	VCP	
6"-VCP	2736-ZB to tee west of 2736-Z	VCP	
6"-CS	Manhole (un-numbered, east of 2734-ZJ) to tee east of 2721-Z)	CS	
6"-CS	234-5Z to manhole (un-numbered, east of 2734-ZJ)	CS	
4"-CI	2736-ZB to tee (north of 2736-ZB))	CI	
15"-VCP	Cleanout point (south of 234-5Z) to Cleanout point (north of 2736-ZB)	VCP	
10"-VCP	234-5Z to tee south of cleanout point (south of 234-5Z)	VCP	
12"-VCP	234-5Z to tee south of cleanout point (south of 234-5Z)	VCP	
12"-VCP	234-5Z to tee (south of 234-5Z)	VCP	
12"-VCP	234-5Z to tee (south of 234-5Z)	VCP	
12"-VCP	234-5Z to tee (south of 234-5Z)	VCP	

¹ Reference H-2-832896, Rev. 0.

³ Pipeline may not exist.

ABS = acrylonitrile butadiene styrene
CI = cast iron
CS = carbon steel
EE/CA= engineering evaluation/cost analysis
HSW= high salt waste

N/A = not applicable
OU = operable unit
PFP = Plutonium Finishing Plant
SST = stainless steel

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LWW = low salt waste

VCP = vitrified clay pipe

UPR = unplanned release

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R. Bloom, FH
S. Clarke, RL
B. Gray, FH
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R. Piippo, FH