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Waste Site Reclassification Form

Date Submitted: 9/1/1999	**Operable Unit(s):** 200-PW-2	**Control Number:** 99-073
Originator: B. H. Ford	**Waste Site ID:** UPR-200-E-40	
Phone: 372-9176	**Type of Reclassification Action:** Rejected ◉ Closed-Out ○ No Action ○	

This form documents agreement among the parties listed below authorizing classification of the subject unit as rejected, closed-out, or no action and authorizing backfill of the site, if appropriate. Final removal from the NPL of no action or closed-out sites will occur at a future date.

Description of current waste site condition:

The site is an unplanned release that contaminated the blacktop area outside the 216-A-36B Crib Sampler shack.

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Basis for reclassification:

In 1968, the contaminated blacktop was removed. The vent filter was replaced and the sample shack was decontaminated. There is no documentation on the effectiveness of the cleanup activities. This site is within a larger "Underground Radioactive Material" Area. This site has been consolidated with 200-E-103 'Contamination Areas - South Side of PUREX'. 200-E-103 is an area where a number of releases occurred. Any residual radioactive material that may be remaining from UPR-200-E-40 will be dispositioned with 200-E-103.

Bryan L. Foley	Bryan Foley	1/19/00
DOE Project Manager	Signature	Date
Wayne Soper	Wayne Soper	1-19-00
Ecology Project Manager	Signature	Date
NA		
EPA Project Manager	Signature	Date

Waste Information Data System
General Summary Report

10/7/1999

Site Code: UPR-200-E-40	Site Classification: Accepted	Page 1

Site Names:	UPR-200-E-40, Release from the 216-A-36B Crib Sampler, UN-200-E-40		
Site Type:	Unplanned Release	**Start Date:**	1968
Status:	Inactive	**End Date:**	
Operable Unit:	200-PW-2	**Coordinates:**	
Hanford Area:	200E	(E) 575246.938	
		(N) 135608.094	
		Washington State Plane	

Site Description: The site is an unplanned release. It has been consolidated with 200-E-103, because it is contained within the boundaries of the larger site.

Location Description: The release occurred on the ground and blacktop area outside the 216-A-36B Crib Sampler Shack (#295-A). The sample shack is located inside the PUREX Exclusion fence, south of 202-A, adjacent to the west side of the PUREX Storage Tunnel.

Associated Structures: The site is associated with the 216-A-36B crib and sample shack.

Site Comment: In 1991 there were no markers suggesting a spill occurred in this area.

Cleanup Activities: In 1968, the contaminated blacktop was removed. The vent filter was replaced and the sample shack was decontaminated.

Release Description: On August 5, 1968 the valve to the vent line at the 216-A-36B Crib Sampling Shack was inadvertently left open. Liquid was noted spewing from the vent on the 216-A-36B Crib Sampler and contaminated approximately 4.65 square meters (50 square feet) of the blacktop outside the shack. The maximum contamination was 150 millirad/hour.

References:

1. R. D. Stenner, K. H. Cramer, D. A. Lamar, 10/88, Hazard Ranking System Evaluation of CERCLA Inactive Waste Sites at Hanford, PNL-6456 Vol 1,2,3.
2. DeFord, D.H. and R. W. Carpenter, 5/95, PUREX Plant Aggregate Area Management Study Technical Baseline Report, BHI-00178.
3. B. W. Marsh and W. D. Killand to O. F. Beaulieu, 02/06/68, Chemical Processing Division Radiation Occurrence - A-36 Crib Sampler, 202-A, 200-E.
4. J. C. Greer and R. A. Polk to O. F. Beaulieu, 08/05/68, Chemical Processing Division Radiation Occurrence - A-36 Crib Sampler, 202-A, 2-E.
5. 9/97, Area Map - 200 East "A" Plant Facilities, H-2-44501, Sht 37, Rev 16.
6. CD Wollam, 7-17-98, CC:MAIL from Chris Wollam to Chris Webb related to the mapped locations of UPR-200-E-39 and UPR-200-E-40.

Dimensions:

Sq. Area: 4.65 sqMeters 50.00 sqFeet

References:

1. R. D. Stenner, K. H. Cramer, D. A. Lamar, 10/88, Hazard Ranking System Evaluation of CERCLA Inactive Waste Sites at Hanford, PNL-6456 Vol 1,2,3.

Regulatory Information:

Programmatic Responsibility

DOE Program:	EM-40	**Confirmed By Program:**	Yes
DOE Division:	RPD - Restoration Projects Division		
Responsible Contractor/Subcontractor:	BHI - Bechtel Hanford, Inc.		

Site Evaluation

Solid Waste Management Unit: No

TPA Waste Management Unit Type: Unplanned Release Unit

This Site Was Consolidated With:

200-E-103, Contamination Areas - South Side of PUREX

Reason: *Within Boundary Of Larger Site*

Permitting

RCRA Part A Permit:	No	**216/218 Permit:**	No
RCRA Part B Permit:	No	**NPDES:**	No
Closure Plan:	No	**State Waste Discharge Permit:**	No
TSD Number:		**Septic Permit:**	No
Air Operating Permit:	*No*	***Inert Landfill:***	*No*

Air Operating Permit Number(s):

Tri-Party Agreement

Lead Regulatory Agency: Ecology

Unit Category: RCRA Past Practice (RPP)

TPA Appendix: C

Remediation and Closure

Decision Document:

Decision Document Status:

Remediation Design Group:

Closure Document:

Closure Type:

Post Closure Requirements:

Residual Waste:

Waste Information:

Type: *Process Effluent*

Category: Radioactive

Physical State: Liquid

Description: The site received contaminated liquid with maximum beta/gamma readings of 150 millirad/hour.

References: 1. J. C. Greer and R. A. Polk to O. F. Beaulieu, 08/05/68, Chemical Processing Division Radiation Occurrence - A-36 Crib Sampler, 202-A, 2-E.

Waste Site Reclassification Form

Date Submitted: 9/1/1999	**Operable Unit(s):** 200-CW-2	**Control Number:** 99-077
Originator: B. H. Ford	**Waste Site ID:** UPR-200-W-13	
Phone: 372-9176	**Type of Reclassification Action:** Rejected ◉ Closed-Out ○ No Action ○	

This form documents agreement among the parties listed below authorizing classification of the subject unit as rejected, closed-out, or no action and authorizing backfill of the site, if appropriate. Final removal from the NPL of no action or closed-out sites will occur at a future date.

Description of current waste site condition:

The site is an unplanned release associated with the 207-S Retention Basin and the 216-S-17 Pond. During November 1952, a leak in the Oxidizer Vessel (H-4) steam coil at the REDOX Facility caused further gross contamination of the 207-S Retention Basin and the "swamp area outside the 200 West Area". In a three day period, the dose rate 15 centimeters (6 inches) over the inlet water stream to the pond increased from 6 millireps/hour to 700 millireps/hour (1 rep is roughly equivalent to 1 rad).

Basis for reclassification:

This site is recognized as an unplanned release unit that requires cleanup action. The contamination from this release is contained within the 207-S Basin and 216-S-17 Pond. This release has been consolidated with the 207-S Retention Basin and will be dispositioned with that site. Information regarding this release will also be used as supporting descriptive information to the 216-S-17 Pond.

BRYAN L. FOLEY	Bryan L. Foley	1/26/00
DOE Project Manager	Signature	Date
Ecology Project Manager	Signature	Date
Douglas R. Sherwood	Douglas R. Sherwood	1/25/00
EPA Project Manager	Signature	Date

Waste Information Data System
General Summary Report

10/7/1999

Site Code: UPR-200-W-13 **Site Classification:** Accepted

Site Names: UPR-200-W-13, Liquid Release from REDOX to 207-S and 216-S-17 Pond, UN-200-W-13

Site Type: Unplanned Release

Status: Inactive

Operable Unit: 200-CW-2

Hanford Area: 200W

Start Date:

End Date:

Coordinates:
(E) 566978.75
(N) 133894.734
Washington State Plane

Site Description: The site is an unplanned release associated with the 207-S Retention Basin and the 216-S-17 Pond (REDOX Swamp). Both the pond and the basin are surface stabilized and posted as "Underground Radioactive Material". Site UPR-200-W-13 has been consolidated with the 207-S Retention Basin.

Location Description: The 207-S Retention Basin is located approximately 366 meters (1,200 feet) due west of the 222-S Laboratory in the 200 West Area. The 216-S-17 Pond is located southwest of the 207-S Retention Basin, outside the 200 West fence.

Associated Structures: The release is associated with the REDOX facility (202-S), the 207-S Retention Basin, and the 216-S-17 Pond.

Site Comment: The 216-S-17 Pond was the only pond receiving REDOX process cooling water when the release occurred. The pond was used from 1951 to 1954 and was taken out of service because it exceeded contamination limits.

The 216-S-17 Pond was interim stabilized in 1984 and posted with "Underground Radioactive Material" signs. The 207-S Retention Basin was stabilized in 1993 and posted with "Underground Radioactive Material" signs.

Release Description: During November 1952, a leak in the Oxidizer Vessel (H-4) steam coil at the REDOX Facility caused further gross contamination of the 207-S Retention Basin and the "swamp area outside the 200 West Area". The process was shut down at the end of the month for replacement of the leaking coil.

References:

1. R. D. Stenner, K. H. Cramer, D. A. Lamar, 10/88, Hazard Ranking System Evaluation of CERCLA Inactive Waste Sites at Hanford, PNL-6456 Vol 1,2,3.
2. 2/89, Preliminary Operable Units Designation Project, WHC-EP-0216.
3. Nancy Homan to Mike Crammer, 9/12/88, DSI: Additions, Deletions and Changes to the WIDS Database.
4. Deford, D.H., R.W. Carpenter, 1995, S-Plant Aggregate Area Management Study Technical Baseline Report, BHI-00176.
5. Compiled by Department Managers, 12/23/52, Hanford Works Monthly Report for November 1952, HW-26376.

Regulatory Information:

Programmatic Responsibility

DOE Program: EM-40 **Confirmed By Program:** Yes

DOE Division: RPD - Restoration Projects Division

Responsible Contractor/Subcontractor: BHI - Bechtel Hanford, Inc.

Site Evaluation

Solid Waste Management Unit: No

TPA Waste Management Unit Type: Unplanned Release Unit

This Site Was Consolidated With:
207-S, REDOX Retention Basin, 207-S Retention Basin
Reason: Within Boundary Of Larger Site

Permitting

RCRA Part A Permit:	No	**216/218 Permit:**	No
RCRA Part B Permit:	No	**NPDES:**	No
Closure Plan:	No	**State Waste Discharge Permit:**	No
TSD Number:		**Septic Permit:**	No
Air Operating Permit:	No	**Inert Landfill:**	No
Air Operating Permit Number(s):			

Tri-Party Agreement

Lead Regulatory Agency: EPA

Unit Category: CERCLA Past Practice (CPP)

TPA Appendix: C

Remediation and Closure

Decision Document:

Decision Document Status:

Remediation Design Group:

Closure Document:

Closure Type:

Post Closure Requirements:

Residual Waste:

Waste Information:

Type: Steam Condensate

Category: Radioactive

Physical State: Liquid **Reported Date:** 1952

Start Date: 1952 **End Date:** 1952

Description: In a three day period, the dose rate 15 centimeters (6 inches) over the inlet water stream to the pond increased from 6 millireps/hour to 700 millireps/hour.

The acronym "rep" stands for Roentgen equivalent physical. One rep equals 95 ergs/gram (0.0095 joules/kilogram). One rep is roughly equivalent to 1 rad.

References:

1. Ray Johnson, 11/8/91, Comments on the 1992 Hanford Site Waste Management Units Report Draft.
2. Compiled by Department Managers, 12/23/52, Hanford Works Monthly Report for November 1952, HW-26376.

Images:

Date Taken: 3/4/98

Pathname: \\bhi002\eed-img\200W\1441\1441_01.JPG

Description: This photo shows the backfilled and stabilized 207-S basin.