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Waste Site Reclassification Form

Date Submitted: 8/26/1999	Operable Unit(s): 200-CW-1	Control Number: 99-058
Originator: B. H. Ford	Waste Site ID: UPR-200-E-32	
Phone: 372-9176	Type of Reclassification Action:	
	Rejected <input checked="" type="radio"/>	
	Closed-Out <input type="radio"/>	
	No Action <input type="radio"/>	

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 affected the 207-B Basin and the 216-B-2-1 Ditch. The unplanned release is not visually marked or posted. The 207-B Basin is labeled and posted as a Contamination Area. The 216-B-2-1 ditch is marked with AC-540 markers and is included within a larger Underground Radioactive Material area.

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Basis for reclassification:

The release site is within the boundary of the 207-B Retention Basin and 216-B-2-1 Ditch, and has been consolidated with the 207-B Retention Basin. Any contaminated soil from this release will be addressed with the cleanup of WIDS Site 207-B and 216-B-2-1 Ditch.

<i>Bryan J. Hickey</i> Bryan J. Hickey	<i>Bryan J. Hickey</i>	1/19/00
DOE Project Manager	Signature	Date
<i>Wayne Soper</i> Wayne Soper	<i>Wayne Soper</i>	1-19-00
Ecology Project Manager	Signature	Date
_____	Signature	Date
EPA Project Manager	Signature	Date

Waste Information Data System General Summary Report

10/7/1999

Site Code: UPR-200-E-32	Site Classification: Accepted	Page 1
Site Names:	UPR-200-E-32, UN-200-E-32, Coil Leak from 221-B	
Site Type:	Unplanned Release	Start Date: 1963
Status:	Inactive	End Date: 1963
Operable Unit:	200-CW-1	Coordinates:
Hanford Area:	200E	(E) 574057.938 (N) 137185.234 Washington State Plane
Site Description:	The site is an unplanned release that affected the 207-B Basin and the 216-B-2-1 Ditch. The unplanned release is not visually marked or posted. The 207-B Basin is labeled and posted as a Contamination Area. The 216-B-2-1 ditch is marked with AC-540 markers and is included within a larger Underground Radioactive Material area. This site has been consolidated with the 207-B Retention Basin.	
Location Description:	The release occurred at B-Plant and affected the 207-B Retention Basin and the 216-B-2-1 Ditch. The basin and the ditch are located inside the 200 East Area, east of Baltimore Ave. and south of 241-B Tank Farm.	
Associated Structures:	The site was related to B-Plant (221-B) 6-1 Tank.	
Site Comment:	Before releasing the contaminated water from the 207-B Retention Basin to the 216-B-2-1 Ditch, a dam was built 300 meters (1000 feet) down stream of the head end discharge pipe. This action held the contaminated water in the first third of the ditch.	
Cleanup Activities:	In 1963, the nearby road surfaces were scraped clean or covered with clean fill dirt and the north section of the 207-B Basin was sealed with an oil-tar solution. The contaminated section of the ditch (1000 feet) was backfilled in 1964. In 1970, contaminated tumbleweeds were found growing on the backfilled contaminated portion of the ditch. The ditch was covered with a plastic weed root barrier to prevent further biological intrusion and covered with a layer of sand and gravel. This was completed in the fall of 1973. Final surface stabilization of the 216-B-2 Ditches area (including 216-B-2-1, 216-B-2-2 and 216-B-2-3) was accomplished in 1987.	
Release Description:	On November 7, 1963, a coil failed in the 221-B Building (6-1 Rare Earth Storage Tank) and caused a liquid release, contaminating the 207-B Retention Basin and the head end of the 216-B-2-1 Ditch. Document HW-79768 states the general dose rates ranged from 500 millirem per hour to 2 Rad per hour. Tumbleweeds driven into the contaminated ditch by high winds were found to be reading 50 rads per hour. The tumbleweeds were removed and transported to the burial grounds.	
Environmental Monitoring Description:	The stabilized 216-B-2-1 Ditch is radiologically surveyed annually.	
Access Requirements:	Site Specific Training	
References:	<ol style="list-style-type: none"> 1. R. W. McCullugh and J. R. Cartmell, 8/68, Chronological Record of Significant Events In Separations Operations, ARH-780. 2. H. L. Maxfield, 4/1/79, Handbook - 200 Area Waste Sites (Volumes 1, 2 and 3), RHO-CD-673. 3. 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. 4. 12-20-63, Chemical Processing Department Monthly Report for November 1963, HW-79768. 	

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-B, B Plant Retention Basin, 207-B 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:	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:	Mixed
Physical State:	Liquid
Description:	A sample of the effluent released to the 207-B Retention Basin was analyzed in 1963. It was primarily Cerium-144 (30 curies) and .05 curies of Sr-90. Dose rates up to 500 mrad/hr were documented. Tumbleweeds that had blown into the ditch read up to 50 rad/hr.
References:	1. R. W. McCullugh and J. R. Cartmell, 8/68, Chronological Record of Significant Events in Separations Operations, ARH-780.

Unplanned Releases:

Release Name:		Occurrence Rpt #:	
Reported Date:	November 7, 1963	Ref. Site Code:	
Begin Date:	1963		
End Date:			
Description:	See bibliographic reference Begin Date: November 7, 1963 Reported Date: November 7, 1963		

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.

Field Work:

Type: Site Walkdown

Begin Date: 07/30/1999 **Field Crew:** CR Webb

End Date: 07/30/1999

Purpose: verification

Comment: Stabilized with the ditch. It is not separately marked or posted.

References: 1. C. R. Webb, Field Logbook assigned to Christine Webb, EL-1255 and EL-1255-1.

Images:

Date Taken: 8/12/99

Pathname: \\bhl002\esd-img\200E\1342\1342_01.JPG

Description: Photo shows the stabilized 216-B-2-1, 216-B-2-2 and 216-B-2-3 ditches Underground Radioactive Material area.