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### Waste Site Reclassification Form

<b>Date Submitted:</b> 8/26/1999	<b>Operable Unit(s):</b> 200-CW-1	<b>Control Number:</b> 99-059
<b>Originator:</b> B. H. Ford	<b>Waste Site ID:</b> UPR-200-E-51	
<b>Phone:</b> 372-9176	<b>Type of Reclassification Action:</b>	
	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 discharged to 216-A-29 Ditch, 216-B-3-3 Ditch, and 216-B-3 Pond. There is no visual evidence of this release. It is not separately marked or posted. The 216-B-3 Pond, 216-A-29 Ditch and the 216-B-3-3 Ditch have all been backfilled and surface stabilized. They are posted Underground Radioactive Material areas.

**RECEIVED**  
APR 21 2000

**EDMC**

**Basis for reclassification:**

The release site is within the boundary of the 216-A-29 Ditch, 216-B-3-3 Ditch and 216-B-3 Main Pond. Any contaminated soil from this release will be addressed with the cleanup of WIDS Site 216-A-29 Ditch, 216-B-3-3 Ditch, and 216-B-3 Main Pond. This site has been consolidated with the 216-A-29 Ditch.

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

# Waste Information Data System

## General Summary Report

10/7/1999

<b>Site Code:</b> UPR-200-E-51	<b>Site Classification:</b> Accepted	Page 1
<b>Site Names:</b>	UPR-200-E-51, Liquid Release from Purex to B-Pond, UN-200-E-51	
<b>Site Type:</b>	Unplanned Release	<b>Start Date:</b> 1977
<b>Status:</b>	Inactive	<b>End Date:</b>
<b>Operable Unit:</b>	200-CW-1	<b>Coordinates:</b>
<b>Hanford Area:</b>	200E	(E) 576244.375
		(N) 136639.516
		Washington State Plane
<b>Site Description:</b>	The site is an unplanned release that discharged to 216-A-29 Ditch, 216-B-3-3 Ditch, and 216-B-3 Pond. There is no visual evidence of this release. It is not separately marked or posted. The 216-B-3 Pond, 216-A-29 Ditch and the 216-B-3-3 Ditch have all been backfilled and surface stabilized. They are posted Underground Radioactive Material areas. This site has been consolidated with the 216-A-29 Ditch.	
<b>Location Description:</b>	The incident involved a release to 216-B-3 Pond via the PUREX Building chemical sewer and the 216-B-3-3 Ditch. All of these waste units are located east of the 200 East Area perimeter fence.	
<b>Associated Structures:</b>	The release is associated with the PUREX facility, 216-B-3, 216-B-3-3 and 216-A-29.	
<b>Site Comment:</b>	There is no mention of any cleanup action. The procedure for using TK-324 for disposal of cadmium nitrate was voided.	
<b>Cleanup Activities:</b>	The 216-B-3 Pond, 216-A-29 Ditch and the 216-B-3-3 Ditch have all been backfilled and surface stabilized. They are posted Underground Radioactive Material areas.	
<b>Release Description:</b>	On May 15, 1977, a maximum of 15 kilograms (33 pounds) of cadmium as a nitrate solution was released from the PUREX storage tank, TK-324, to the chemical sewer (216-A-29 Ditch), 216-B-3-3 Ditch, and eventually released into the 216-B-3 Pond (B Pond). The incident occurred during an attempted transfer in the PUREX Building from storage tank TK-324 to storage tank TK-F18. A total of 61 drums that had previously contained cadmium nitrate were rinsed out and the solution was put in storage tank TK-324. TK-324 was discharged to the chemical sewer (216-A-29 Ditch). The cadmium nitrate solution was supposed to be transferred to TK-F18 for ultimate disposal to an underground storage tank, however, the Instrument Engineering Flow Diagram was not correct regarding the discharge routing from TK-324.	
<b>Environmental Monitoring Description:</b>	Water samples were collected from the chemical sewer, the 216-B-3-3 Ditch and the 216-B-3 Pond inlet the morning after the release. The results indicated the concentration of cadmium to be five times the drinking water standard.	
<b>References:</b>	<ol style="list-style-type: none"> <li>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.</li> <li>2. 2/89, Preliminary Operable Units Designation Project, WHC-EP-0216.</li> <li>3. 6/8/77, Release of Cadmium Nitrate to Chemical Sewer (5-18-77), 77-72.</li> </ol>	

### 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:**

216-A-29, Snow's Canyon, PUREX Chemical Sewer (CSL)

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:	Chemicals
Category:	Hazardous/Dangerous
Physical State:	Liquid

Description: A cadmium nitrate solution containing 15 kilograms (33 pounds) of cadmium was released.

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. 6/8/77, Release of Cadmium Nitrate to Chemical Sewer (5-18-77), 77-72.

Field Work:

Type:	Site Walkdown	Field Crew:	CR Webb
Begin Date:	07/30/1999		
End Date:	07/30/1999		
Purpose:	verification		
Comment:	Stabilized with the 216-B-3 pond. 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: 2/4/98

<b>Pathname:</b>	\\bhi002\esd-img\200E\1362\1362_01.JPG
<b>Description:</b>	Photo shows stabilized 216-B-3-3 ditch
<b>Date Taken:</b>	2/4/98
<b>Pathname:</b>	\\bhi002\esd-img\200E\1362\1362_02.JPG
<b>Description:</b>	Photo shows stabilized B-3-3 Ditch
<b>Date Taken:</b>	2/4/98
<b>Pathname:</b>	\\bhi002\esd-img\200E\1362\1362_03.JPG
<b>Description:</b>	Photo show the junction of the 216-A-29 and 216-B-3-3 ditches