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## Waste Site Reclassification Form

<b>Date Submitted:</b> 9/1/1999	<b>Operable Unit(s):</b> 200-SW-1	<b>Control Number:</b> 99-074
<b>Originator:</b> J. W. Golden	<b>Waste Site ID:</b> 200-E-12	
<b>Phone:</b> 376-6961	<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:**

A 1995 site inspection identified the site and described it as two sandy areas which are of a different color than the surrounding sand. The two sand piles were approximately 27 meters (30 yards) apart.

The site was visited on August 26, 1998. The two sand piles appeared to have been removed; only traces of the piles remained. Between the remains of the two sand piles were equipment, such as a tank on a wood pallet, plastic, a metal frame, and a compressed nitrogen gas cylinder. Recent (September 1999) e-mail from FNNL indicates that this site is the location of ongoing, but intermittent, studies into the water-holding capabilities of the soil, funded by the Tank Waste Remediation System (TWRS).

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**Basis for reclassification:**

The sand piles that were described in the original RCRA inspection have now been removed. The remaining equipment is a housekeeping action for the current landlord. There are no hazardous wastes or hazardous substances associated with this equipment.

<u>Steven T. Burnham</u>	<u>Steven T. Burnham</u>	<u>1/10/2000</u>
DOE Project Manager	Signature	Date
<u>Wayne Soper</u>	<u>Wayne Soper</u>	<u>1-19-00</u>
Ecology Project Manager	Signature	Date
<u>NA</u>		
EPA Project Manager	Signature	Date

Waste Information Data System  
General Summary Report

10/14/1999

Site Code: 200-E-12 Site Classification: Rejected (Proposed) Page 1

Site Names: 200-E-12, Sand Piles from RCRA General Inspection 200E FY95 Item #5  
Site Type: Laboratory Start Date:  
Status: Active End Date:  
Operable Unit: 200-SW-1 Coordinates:  
Hanford Area: 200E (E) 0  
(N) 0  
Washington State Plane

Site Description: A 1995 site inspection identified the site and described it as two sandy areas which are of a different color than the surrounding sand. The two sand piles were approximately 27 meters (30 yards) apart. After some research, it was discovered that this site is actually an operations project in preparation for long term storage for vitrified material and is not a waste site

During a February 1997 visit, an empty stainless steel tank and a nearby pit were also observed at the site. The tank, labeled "X-12," measured 1.47 meters (58 inches) high and 1.35 meters (53 inches) in diameter. The area has been roped off with steel posts and rope. The sandy areas were approximately 3.7 meters (4 yards) in diameter. No information about the sand or the tank was available at the time.

The site was visited on August 28, 1998, for a GPS survey. The two sand piles appeared to have been removed; only traces of the piles remained. Between the remains of the two sand piles were equipment for some sort of experiment. A small pit with deteriorated clear plastic was observed by the "X-12" tank. The experiment equipment consisted of two large polypropylene water tanks, a large rectangular pit and a metal frame set up over the pit. One of the tanks was 2.7 to 3.0 meters (9-10 feet) tall with a 2840 liter (750 gallon) capacity. It was labeled "Non Hazardous River Water" and appeared to be approximately half full. The second water tank was only about 1.5 meters (5 feet) tall and had a larger diameter than the first tank. It was also labeled "Non Hazardous River Water" and appeared to be approximately three-quarters full. There were no volume markings on this tank. The shorter tank was also posted "Experiment in Process, Contact Ray Clayton @ 372-8037." The rectangular pit was approximately 4.6 meters (15 feet) long and 1.5 meters (5 feet) wide and 0.9 meters (3 feet) deep. The bottom of the pit was covered with a tarp and the sides appeared to be covered with plywood. Over the top of the pit was a metal frame suspending a spray device over the pit.

The site was revisited on July 26, 1999, in order to confirm the current conditions of the site. The "X-12" tank is still there, sitting on a wooden pallet. The small pit with the deteriorated plastic is there and looks unchanged. The two large polypropylene tanks observed in 1998 are gone; the space where they used to be is occupied by wood debris and PVC pipe. The large rectangular pit has been filled in. What appears to have been the metal frame over the former pit is now lying on the ground to the north. A cylinder of compressed nitrogen is now found within 2 meters (6.6 feet) of the south sand pile remnant. The cylinder is labeled "For Research Use, Please do not move from this site. POC Fenton Khan 372-0428 or Janelle Downs 376-8641." The cylinder is resting on a metal plate and is secured to a metal post.

Location Description: The site is located inside 200 East Area, southwest of PUREX. It is along a dirt road that runs north from First Street approximately 0.8 kilometers (0.5 miles) west of the intersection of First Street and Canton Avenue. The site is approximately 0.5 kilometers (0.3 miles) north of First Street.

Site Comment: A Hanford Facility RCRA Permit General Inspection was conducted on July 17, 1995 and July 18, 1995. During the inspection a site containing two piles of sand that were a different color than the surrounding soil were noted. There were tire tracks in the area and the material appears to have been dumped here. The site identified meets the criteria for "solid waste site not previously identified for remedial action" (Hanford Facility RCRA Permit General Inspection Plan, WHC-EP-0850). The sand is different than the surrounding soil and there are tire tracks in the area.

September 1999, cc:mail from Bill Bjorlund of PNNL indicate that this is the location of intermittent PNNL studies on water holding capabilities of the soil, in support of the TWRS project. These studies were begun in about 1995. The project is to continue at least into calendar year 2000. The site being studied is the location of the future storage vault for the glass canisters from the vitrification process.

References: 1. WHC - RCRA Field Services, 8/7/95, Internal Memo: Hanford Facility RCRA Permit - 200 East Area Inspection, 01880-95-120.  
2. K. A. Prosser, 6/20/97, Field Logbook, EL-1388.

- 3. T.F. Johnson, 10/24/86, Site Investigation Logbook, EL-1336.
- 4. K.A. Prosser, 6/30/99, Field Logbook, EL-1388-1.
- 5. Bill Bjorklund, 9/99, 200-E-12; PNNL Use of the 200-E-12 Site.

**Site Hazards:**

<b>Hazard Type:</b>	Biological	<b>Status:</b>	Discovered	<b>Date:</b>	2/3/97
<b>Description:</b>	Biological Hazards				
<b>Hazard Type:</b>	General	<b>Status:</b>	Discovered	<b>Date:</b>	7/26/99
<b>Description:</b>	Compressed Gas Cylinder				
<b>References:</b>	1. K.A. Prosser, 6/30/99, Field Logbook, EL-1388-1.				

**Dimensions:**

<b>Length:</b>	66.40 Meters	224.41 Feet
<b>Width:</b>	20.70 Meters	67.91 Feet
<b>Sq. Area:</b>	1,385.00 sqMeters	14,908.00 sqFeet
<b>Site Shape:</b>	Rectangle	
<b>Comment:</b>	The area was calculated by ArcInfo from the GPS survey data. The length and width were estimated using ArcView.	
<b>References:</b>	1. L. A. Dietz, R. P. Prosser, 6/89, Hanford Geographic Information System (HGIS) - Database. 2. K. A. Prosser, Electronic File Location - Global Positioning System (GPS) Jobs Log - Wbh002\hgis-gps.	

**Regulatory Information:**

**Programmatic Responsibility**

<b>DOE Program:</b>	EM-70	<b>Confirmed By Program:</b>	Yes
<b>DOE Division:</b>	SID - Site Infrastructure Division		
<b>Responsible Contractor/Subcontractor:</b>	DYN - Dyncorp Tri-Cities Services, Inc.		

**Site Evaluation**

**Solid Waste Management Unit:** No

**TPA Waste Management Unit Type:**

**Permitting**

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

**Tri-Party Agreement**

<b>Lead Regulatory Agency:</b>	Ecology
<b>Unit Category:</b>	RCRA Past Practice (RPP)
<b>TPA Appendix:</b>	C

**Remediation and Closure**

<b>Decision Document:</b>	
<b>Decision Document Status:</b>	
<b>Remediation Design Group:</b>	
<b>Closure Document:</b>	
<b>Closure Type:</b>	
<b>Post Closure Requirements:</b>	
	<b>Residual Waste:</b>

<b><u>Field Work:</u></b>			
<b>Type:</b>	Site Walkdown		
<b>Begin Date:</b>	02/03/1997	<b>Field Crew:</b>	T. F. Johnson
<b>End Date:</b>	02/03/1997		
<b>Purpose:</b>	Initial Review		
<b>Site Cover:</b>			
<b>Site Accessible:</b>	Yes	<b>Site Found:</b>	Yes
<b>Soil Discoloration:</b>	Yes	<b>Debris Visible:</b>	No
<b>References:</b>	1. T.F. Johnson, 10/24/96, Site Investigation Logbook, EL-1336.		
<b>Type:</b>	GPS Surveys		
<b>Begin Date:</b>	08/26/1998	<b>Field Crew:</b>	K.A. Prosser
<b>End Date:</b>	08/26/1998	<b>Data Repository:</b>	HGIS
<b>Purpose:</b>	Mapping		
<b>Comment:</b>	The general area encompassing the sand and the experiment was mapped. The reference for this task is an electronic file found under \\BH1002\hgis-gps\job-188.		
<b>Job Number:</b>	188		
<b>Type:</b>	Real-Time Kinematic		
<b>References:</b>	1. K. A. Prosser, Electronic File Location - Global Positioning System (GPS) Jobs Log - \\bh1002\hgis-gps.		
<b>Type:</b>	Site Walkdown		
<b>Begin Date:</b>	08/26/1998	<b>Field Crew:</b>	K.A. Prosser
<b>End Date:</b>	08/26/1998		
<b>Purpose:</b>	Verify site conditions		
<b>Comment:</b>	Brief notes were taken during a GPS survey.		
<b>References:</b>	1. K. A. Prosser, 8/20/97, Field Logbook, EL-1398.		
<b>Type:</b>	Site Walkdown		
<b>Begin Date:</b>	07/28/1999	<b>Field Crew:</b>	K.A. Prosser
<b>End Date:</b>	07/28/1999		
<b>Purpose:</b>	To confirm site conditions		
<b>Site Cover:</b>	Dense Vegetation		

<b>Site Accessible:</b>	Yes	<b>Site Found:</b>	Yes
<b>Soil Discoloration:</b>	No	<b>Debris Visible:</b>	Yes
<b>Vegetation Type:</b>	Sagebrush		
<b>Soil Texture:</b>	Sand (>50%)		
<b>References:</b>	1. K.A. Prosser, 6/30/99, Field Logbook, EL-1388-1.		
<b>Type:</b>	GPS Surveys		
<b>Begin Date:</b>	07/28/1999	<b>Field Crew:</b>	K.A. Prosser
<b>End Date:</b>	07/28/1999	<b>Data Repository:</b>	HGIS
<b>Purpose:</b>	site walkdown		
<b>Comment:</b>	During this visit, a single point was collected next to the tank of compressed nitrogen. The reference for this task is an electronic file found under \BHI002\hgis-gps\job-272. The DIS CCN for this survey is 0511102.		
<b>Job Number:</b>	272		
<b>Type:</b>	Real-Time Kinematic		
<b>References:</b>			

**images:**

**Date Taken:** 2/10/97  
**Pathname:** \\bhi002\lead-img\200E\3673\3673\_01.JPG  
**Description:**

**Date Taken:** 2/3/97  
**Pathname:** \\bhi002\lead-img\200E\3673\3673\_02.JPG  
**Description:**

**Date Taken:** 2/3/97  
**Pathname:** \\bhi002\lead-img\200E\3673\3673\_03.JPG  
**Description:**

**Date Taken:** 2/10/97  
**Pathname:** \\bhi002\lead-img\200E\3673\3673\_04.JPG  
**Description:**

**Date Taken:** 8/28/98  
**Pathname:** \\bhi002\lead-img\200E\3673\3673\_05.JPG  
**Description:** This digital photo shows the remains of one of the sand piles. The 200E power house is in the background to the northwest.

**Date Taken:** 8/28/98  
**Pathname:** \\bhi002\lead-img\200E\3673\3673\_06.JPG  
**Description:** This photo shows the metal structure set up between the 2 sand piles at this site.

**Date Taken:** 8/28/98  
**Pathname:** \\bhi002\lead-img\200E\3673\3673\_07.JPG  
**Description:** This photo shows the remains of the second pile of sand with the rectangular pit and metal structure in the background.

**Date Taken:** 8/28/98  
**Pathname:** \\bhi002\lead-img\200E\3673\3673\_08.JPG

<b>Description:</b>	This photo shows a view from the dirt road. The X-12 tank is in the foreground. The 2 polypropylene water tanks are to the left. The remains of the second pile of sand is between the water tanks and the metal structure.
<b>Date Taken:</b>	8/26/98
<b>Pathname:</b>	\\bh002\lead-img\200E\3673\3673_09.JPG
<b>Description:</b>	This is a shallow pit with plastic debris at the north end of the site.
<b>Date Taken:</b>	7/28/99
<b>Pathname:</b>	\\bh002\lead-img\200E\3673\3673_10.JPG
<b>Description:</b>	This photo was taken looking southwest with Rattlesnake Mountain in the background. Tank "X-12" is in the right foreground. The two large polypropylene water tanks that used to be at the site are now gone.
<b>Date Taken:</b>	7/28/99
<b>Pathname:</b>	\\bh002\lead-img\200E\3673\3673_11.JPG
<b>Description:</b>	This photo was taken from the road looking west towards where the large rectangular pit used to be.
<b>Date Taken:</b>	7/28/99
<b>Pathname:</b>	\\bh002\lead-img\200E\3673\3673_12.JPG
<b>Description:</b>	This photo was taken looking northeast towards the "X-12" tank and the road. The photo was taken from where the large rectangular pit used to be. The metal frame that was set up over this pit can be seen in the foreground.
<b>Date Taken:</b>	7/28/99
<b>Pathname:</b>	\\bh002\lead-img\200E\3673\3673_13.JPG
<b>Description:</b>	This is the cylinder of compressed nitrogen found by the remnant of the south pile of sand.
<b>Date Taken:</b>	7/28/99
<b>Pathname:</b>	\\bh002\lead-img\200E\3673\3673_14.JPG
<b>Description:</b>	This is a close up of the label on the cylinder of compressed nitrogen.