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# DISCOVERY SITE EVALUATION CHECKLIST

(To be completed by a member of ERC Data Management and included with the data package for a newly discovered potential waste management unit.)

**Site Code:** 216-E-28 9/10/1999

**Site Alias(es):** 216-E-28, 216-E-25, 200 East Area Contingency Pond

| Waste Management Unit | Not a Waste Management Unit | More Information Needed |
|---|---|---|
| ○ | ◉ | ○ |

1. **Does the unit receive uncontaminated rainwater runoff only?** y ○ n ◉

**IF YES, CHECK "NOT A WASTE MANAGEMENT UNIT" ABOVE AND STOP. IF NO, GO TO 2.**

*A check in any "YES" box in the right column indicates the site is a waste management unit as defined in Section 3.1 of the Tri-Party Agreement (TPA).* (Items 2 through 7 below correspond with the six waste management unit types found in the TPA definition.)

| | | | YES | NO |
|---|---|---|---|---|
| 2. | **Complete items 2.a through 2.f below to determine if the unit is a solid waste management unit (SWMU) as specified under WAC 173-303-040.** | | ○ | ◉ |
| 2.a. | *Is the material at the unit a waste (i.e., a regulated waste or a discarded* material, including garbage, refuse, sludge, construction/demolition debris, industrial/sanitary wastewater or other discarded solid, liquid, semisolid, or contained gas)?<br><br>IF NO, CHECK NO AND GO TO 3. IF YES, GO TO 2.b. | y ○ n ◉ | | |
| 2.b. | Is the waste from historical residental activities (i.e., not from industrial, *commercial, mining, agricultural, or community activities)*? | y ○ n ○ | | |
| 2.c. | *Is the unit an industrial wastewater point discharge permitted under the Clean* Water Act (i.e., National Pollutant Discharge Elimination System permit)? | y ○ n ○ | | |
| 2.d. | Does the waste consist ONLY of source, special nuclear, or byproduct material regulated by the Atomic Energy Act?<br><br>A YES TO ANY OF THE ABOVE QUESTIONS (2.b.-2.d.) INDICATES THE SITE IS NOT A SWMU. IF SO, CHECK NO AND GO TO 3. IF ALL ARE NO, GO TO 2.e. | y ○ n ○ | | |
| 2.e. | *Was the waste placed in a discernable unit (i.e., a landfill, surface* impoundment, land treatment unit, waste pile, tank, container storage area, incinerator, injection well, wastewater treatment unit, waste recycling unit, or other physical, chemical, or biological treatment unit)?<br><br>IF YES, CHECK YES AND GO TO 3. IF NO, GO TO 2.f. | y ○ n ○ | | |
| 2.f. | Is the unit the result of routine and systematic discharges (i.e., areas receiving small but steady discharges over time from systematic human activity, such as from loading/unloading operations, solvent washing, industrial process sewer systems, etc.)?<br><br>IF YES, CHECK YES. IF NO, CHECK NO. GO TO 3. | y ○ n ○ | | |

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| Site Code: | 216-E-28 | | 9/10/99 |
|---|---|---|---|
| 3. | Is the unit a waste disposal unit? (Complete items 3.a and 3.b below) | YES ○ | NO ◉ |
| 3.a. | Does the unit require a RCRA permit for the disposal of dangerous or mixed waste? y ○ n ◉ | | |
| 3.b. | Have hazardous wastes or substances been disposed of in a burial ground, pit, pond, ditch, crib, trench, french drain, or land surface that is not subject to regulation as a RCRA disposal unit and may require action to mitigate a potential environmental impact (e.g., radioactive waste disposal units, pre-RCRA units)? y ○ n ◉<br>IF EITHER IS YES, CHECK YES. IF BOTH ARE NO, CHECK NO. GO TO 4. | | |
| 4. | Is the unit an unplanned release that has not been adequately cleaned up and represents a potential threat to human health or the environment (i.e., releases above CERCLA reportable quantities defined in 40 CFR 302.4; other hazardous substance releases, including petroleum, that may require action to mitigate a potential environmental impact)? | YES ○ | NO ◉ |
| 5. | Is the unit an inactive, contaminated structure? | YES ○ | NO ◉ |
| 6. | Does the unit require a RCRA permit for the treatment or storage of dangerous or mixed waste? | YES ○ | NO ◉ |
| 7. | Is the unit another type of storage unit that may require action to mitigate a potential environmental impact (e.g., radioactive waste storage unit)? | YES ○ | NO ◉ |

Comments: This unit has never been used (DOE/RL-92-05).

[signature] 11/2/99
ERC Data Management Investigator — Date

[signature] 11/3/99
Regulatory Compliance Concurrence — Date

FOR SITES REQUIRING DOE-RL AND REGULATOR REVIEW PER SECTION 5.2 OF RL-TPA-90-0001, TPA-MP-14

[signature] 1/19/00
DOE-RL Concurrence — Date

[signature] 1-19-00
Lead Regulatory Agency Concurrence — Date

# Waste Information Data System
## General Summary Report

11/2/1999

| Site Code: 216-E-28 | Site Classification: Rejected (Proposed) | Page 1 |
|---|---|---|

| | | | |
|---|---|---|---|
| **Site Names:** | 216-E-28, 216-E-25, 200 East Area Contingency Pond | | |
| **Site Type:** | Pond | **Start Date:** | 1986 |
| **Status:** | Inactive | **End Date:** | |
| **Operable Unit:** | 200-CW-1 | **Coordinates:** | |
| **Hanford Area:** | 200E | (E) 576800.312 | |
| | | (N) 137232.344 | |
| | | Washington State Plane | |

**Site Description:** This 216-E-28 Contingency Pond is inactive and dry. It is a large cobble filled depression that is divided into three lobes by soil berms. Each lobe has a 1.2 meter (48 inch) diameter culvert. It is not marked or posted.

**Location Description:** The 216-E-28 Contingency Pond is located east of the 200 East Area perimeter fence and north of the 216-B-3 Main Pond.

**Process Description:** When the 216-B-3 Main Pond and 216-B-3-3 Ditch were isolated, a new pipeline was built to divert effluent to the 216-B-3 Pond Expansion Lobes and this Contingency Pond. The 216-E-28 Contingency Pond was designed to receive effluents from the B Pond streams. It was held in reserve for any future embankment failures in the ponds. It was never needed and never used.

**Associated Structures:** The 216-E-28 Contingency Pond is associated with the 216-B-3 Pond system.

**Site Comment:** The 216-E-28 Contingency pond was built in 1986 but never used. Prior to construction, the proposed contingency pond location was radiologically surveyed. A significant amount of contamination specks and contaminated tumbleweed fragments were found. Contamination identified in the Contingency Pond area was attributed to the same UPR as other contamination found northeast of 200 East Area (see UPR-600-21). Prior to constructing the new contingency pond, the area was scraped and grubbed to remove the surface contamination. This unit would have been used if the B Pond system had ever overflowed.

On September 29, 1999, a radiological survey of the basin was completed, with special attention to the culverts that would have received any overflow. No contamination was found.

All streams discharging to B Ponds were diverted to the 200 Area Treated Effluent Disposal Facility in 1997.

**References:**


1. 3/93, B Plant Source Aggregate Area Management Study Report, DOE/RL-92-05, Rev 0.
2. D.H. Deford, R.W. Carpenter, 5/15/95, B-Plant Aggregate Area Management Study Technical Baseline Report, BHI-00179.
3. 2/96, Hanford Federal Facility Agreement and Consent Order: Fifth and Sixth Amendment, 89-10, Rev 4.
4. 12/93, State Waste Discharge Permit Application for Industrial Discharge to Land - 200 East Area W-252 Streams, DOE/RL-93-61, Rev 0.
5. B-POND DISPOSAL COMPLEX, H-13-000176, Rev 0.
6. C. R. Webb, Field Logbook assigned to Christine Webb, EL-1255 and EL-1255-1.
7. Allan F. Crane, 8/18/97, Discharges to 216-B-3C Pond.
8. 7-1-86, 200 East Contingency Pond, H-6-5334.
9. 7-8-86, 200 East Contingency Pond, H-6-5335.
10. AW Conklin, 2-3-86, Memo from AW Conklin to VW Hall regarding Cleanup of the Contingency Pond Site.
11. AW Conklin, 1-30-86, DSI from AW Conklin regarding Contamination at the New Contingency Pond Site.
12. WW Smith, 11-20-85, 200 East Area Contingency Pond, 65620-WWS-85-207.
13. C. R. Chrystal, 9/29/99, Radiological Survey Report--Survey of 216-E-28 Contingency Pond, DST-005004.


**Dimensions:**

| | | | | |
|---|---|---|---|---|
| **Length:** | 457.20 | Meters | 1,500.00 | Feet |
| **Width:** | 304.80 | Meters | 1,000.00 | Feet |

**References:**


1. 7-1-86, 200 East Contingency Pond, H-6-5334.

## Regulatory Information:

**Programmatic Responsibility**

**DOE Program:** EM-30 **Confirmed By Program:** Yes

**DOE Division:** WSD - Waste Storage Division

**Responsible Contractor/Subcontractor:** LMHC - Lockheed Martin Hanford Company

**Site Evaluation**

**Solid Waste Management Unit:** No

**TPA Waste Management Unit Type:**

***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:**

**TPA Appendix:**

**Remediation and Closure**

**Decision Document:**

**Decision Document Status:**

**Remediation Design Group:**

**Closure Document:**

**Closure Type:**

**Post Closure Requirements:**

**Residual Waste:**

## Field Work:

**Type:** Site Walkdown

**Begin Date:** 04/23/1999 **Field Crew:** CR Webb

**End Date:** 04/23/1999

**Purpose:** Verification

**Comment:** The site is not marked or posted. It is dry.

**Site Cover:** Gravel or Rock

**Site Accessible:** Yes **Site Found:** Yes

**Soil Discoloration:** No **Debris Visible:** No

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

**Type:** Radiation Survey

**Begin Date:** 08/21/1986 **Field Crew:** RG Mikuluky

**End Date:** 08/21/1986

**Purpose:** Radiological Conditions

**Comment:** Survey of open land surrounding the new contingency pond.

**Radiation Survey Identification:** 08600722

**Instrument:** GM/P-11 Probe (15.5 sq cm) (Beta-Gamma)

**Location Description:** Around 216-E-28

**Max Value:** 30000

**Max Value Units:** Counts Per Minute (c/m)

**References:**

**Type:** Radiation Survey

**Begin Date:** 09/20/1989 **Field Crew:** BM Markee

**End Date:** 09/20/1989

**Purpose:** Radiological Conditions

**Comment:** Investigation of area northeast of 200 East Area with MSCM Tractor and GM/P-11 prior to construction of the Effluent Treatment Facility.

**Radiation Survey Identification:** 45455

**Instrument:** GM/P-11 Probe (15.5 sq cm) (Beta-Gamma)

**Location Description:** NE of 200 East Area, dried tumbleweed fragments

**Max Value:** 150000

**Max Value Units:** Disintegrations Per Minute (d/m)

**References:**

**Type:** Radiation Survey

**Begin Date:** 09/29/1999 **Field Crew:** C. R. Chrystal

**End Date:** 09/29/1999

**Purpose:** Confirm radiological status

**Comment:** No contamination was found, including culverts that would have transported any overflow from B Pond.

**References:** 1. C. R. Chrystal, 9/29/99, Radiological Survey Report--Survey of 216-E-28 Contingency Pond, DST-005004.

## Images:

**Date Taken:** 9/10/96

**Pathname:** \\bhi002\esd-img\200E\0462\0462_01.JPG

**Description:** Photo is an aerial view from the 1996 Flyover project.

**Date Taken:** 4/23/99

**Pathname:** \\bhi002\esd-img\200E\0462\0462_02.JPG

| | |
|---|---|
| **Description:** | Photo shows the eastern lobe of the contingency pond - looking west. |
| **Date Taken:** | 4/23/99 |
| **Pathname:** | \\bhl002\eed-img\200E\0462\0462_03.JPG |
| **Description:** | Photo shows the eastern lobe of the contingency pond. |
| **Date Taken:** | 4/23/99 |
| **Pathname:** | \\bhl002\eed-img\200E\0462\0462_04.JPG |
| **Description:** | Photo shows the culvert in the western lobe of the contingency pond. |