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**FACT SHEET**  
**PART V, CLOSURE UNIT GROUP 9, 207-A SOUTH RETENTION BASIN**

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1 **FACT SHEET**

2 **PART V, CLOSURE UNIT GROUP 9, 207-A SOUTH RETENTION BASIN**

3 **UNIT DESCRIPTION**

4 The 207-A South Retention Basin (207-A SRB) is a manmade surface impoundment. It is in the 200  
5 East Area near the east perimeter fence, directly east of the 242-A Evaporator. The Permittees used  
6 207-A SRB to store, sample, and analyze 242-A Evaporator process condensate before discharging it to  
7 the 216-A-37-1 Crib.

8 The 207-A SRB began receiving wastewater from the 242-A Evaporator in March 1977. Discharge to  
9 the 207-A SRB ended April 1989. The Permittees emptied and cleaned out the basin in September  
10 1989. It no longer receives or stores waste.

11 207-A SRB consists of three concrete cells. Each cell has a 265,000 liter (70,000 gallon) design  
12 capacity. The bottom dimension of each cell is 16.8 meters (55 feet) long, 3 meters (10 feet) wide at  
13 the bottom, and 2.1 meters (7 feet) deep. The cells were coated to prevent waste from penetrating the  
14 concrete.

15 **TYPE AND QUANTITY OF WASTE**

16 The nature and quantity of mixed waste managed through this waste site is listed on the Part A form  
17 (Addendum A). The waste consisted of dilute quantities of inorganic and organic chemicals.

18 The Permittees have studied soil and groundwater contamination at the 207-A SRB through:

- 19 • Remedial investigations.
- 20 • Groundwater monitoring.
- 21 • Knowledge of historical process operations and disposal.
- 22 • Waste site summary reports from Hanford's Waste Information Data System database.

23 **BASIS FOR PERMIT CONDITIONS**

24 Two Tri-Party Agreement (TPA) milestones affect the 207-A SRB. Milestone M-037-02 requires the  
25 Permittees to submit a revised closure plan before June 30, 2014. Milestone M-037-10 requires the  
26 Permittees to complete closure of the 207-A SRB by September 30, 2020.

27 **CLOSURE AND POST-CLOSURE**

28 Milestone M-037-02 requires submittal of a revised closure plan by June 30, 2014 that meets the  
29 closure plan requirements in [WAC 173-303-610](#). Condition V.9.B.1 requires that the Permittees submit  
30 a revised closure plan and post-closure plan on the schedule in Milestone M-037-02. Condition V.9.B.7  
31 requires submittal of a revised sampling and analysis plan, if necessary for clean closure, at the same  
32 time.

33 **Closure Activities**

34 The Permittees will comply with the closure requirements of [WAC 173-303-610\(2\)](#) for cleanup of  
35 underlying soils. The Permittees must demonstrate that the underlying soils have no contamination.

36 Conditions V.9.B.2 through V.9.B.6 list the requirements the Permittees must include, at a minimum, in  
37 the closure plan. The requirements include a schedule for closure, identification of cleanup levels and  
38 standards, and a sampling and analysis plan.

39 **Groundwater**

40 The 207-A SRB is not included in a groundwater monitoring network, so no permit conditions for  
41 groundwater monitoring are required for this waste site.

1 **RECORDKEEPING AND REPORTING**

2 Condition V.9.E requires the Permittees to place documentation of all work conducted (such as results  
3 of monitoring, testing, and analytical work and quality assurance and control data) in the Hanford  
4 Facility Operating Record.

5 **SECURITY**

6 The 207-A SRB is within the secured area of the Hanford. Access to the unit is subject to the general  
7 security provision of Condition II.L. Security provisions, access controls, and signage specific to this  
8 closure unit will comply with WAC 173-303-310.

9 **CONTINGENCY PLAN**

10 Because the 207-A SRB no longer accepts liquid waste and is not in operation, there is no need for a  
11 unit-specific contingency plan. However, to ensure a safe working environment for workers and to  
12 protect human health and the environment during closure of the unit, the Permittees must follow  
13 contingency planning and emergency management requirements for Hanford.

14 Condition II.A describes the requirements for facility contingency planning and refers to the  
15 requirements of Attachment 4, *Hanford Emergency Management Plan*.

16 **INSPECTIONS**

17 Addendum I contains the inspection schedule. Since this unit is inactive, the permit requires an  
18 inspection once a year. If any potential threats to human health or the environment arise, the Permittees  
19 will increase inspections to quarterly until the threats are removed.

20 **TRAINING**

21 The Permittees will include the training requirements in Addendum G of this permit in a written training  
22 plan, as required by Condition II.C.1 and WAC 173-303-330(2)(a) and (b). The plan will include the job  
23 classifications identified for 207-A-SRB closure work.

24 **REQUESTED VARIANCES OR ALTERNATIVES**

25 Condition V.9.B.1 requires a schedule for submitting a revised closure plan. The schedule is justified  
26 because the removal and remediation work will take longer than the 180 days required by WAC 173-303-  
27 610 (4)(b).

28 **STATE ENVIRONMENTAL POLICY ACT (SEPA) DETERMINATION**

29 The SEPA determination for this unit is in the Hanford-Wide Permit Fact Sheet.

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