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**CLOSURE UNIT GROUP 5 CONDITIONS  
207-A SOUTH RETENTION BASINS**

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**CLOSURE UNIT GROUP 5 CONDITIONS  
207-A SOUTH RETENTION BASINS**

**UNIT DESCRIPTION**

The 207-A South Retention Basins (207-A SRB) are inactive dangerous waste management units (surface impoundments). The United States Department of Energy (USDOE) used 207-A SRB to temporarily store, sample, and analyze 242-A Evaporator process condensate before discharging it to the 216-A-37-1 Crib. The 207-A SRB first received process condensate (mixed waste) from the 242-A Evaporator in March 1977. Discharge to the 207-A SRB ceased in April 1989. The 207-A SRB no longer receives or stores waste.

The 207-A SRB is located in the 200 East Area of the Hanford Site, near the east perimeter fence, directly east of the 242-A Evaporator. The 207-A SRB consists of three concrete cells, which are each trapezoidal in shape. Each cell has a 264,979 liter (70,000 gallon) design capacity. The bottom dimension of each cell is 16.8 meters (55 feet) long, 3 meters (10 feet) wide at the bottom, and 2.1 meters (7 feet) deep. At construction in 1977, a Hypalon® liner was installed beneath the concrete. The cells were covered with an elastomeric coating in 1982 to minimize the process condensate from potentially penetrating the concrete.

**LIST OF CHAPTERS SPECIFIC TO CLOSURE UNIT GROUP 5**

Chapter 1	Part A Form
Chapter 3	Groundwater Monitoring - Reserved
Chapter 4	Closure Plan
Chapter 5	Postclosure Plan – Reserved

**DEFINITIONS**

Reserved

**ACRONYMS**

207-A SRB	207-A South Retention Basin
HFFACO	Hanford Federal Facility Agreement and Consent Order
MTCA	Model Toxics Control Act
RCRA	Resource Conservation and Recovery Act of 1976
SEPA	State Environmental Policy Act
TA	Temporary Authorization
USDOE	United States Department of Energy
WAC	Washington State Administrative Code

**V.5.A COMPLIANCE WITH PERMIT CONDITIONS**

The Permittees shall comply with all requirements set forth in the Hanford Facility Resource Conservation and Recovery Act (RCRA) Permit (Permit), as specified in Permit Attachment 9, Permit Applicability Matrix, including all approved modifications. All chapters, subsections, figures, tables, and appendices included in the following unit-group Permit Conditions are enforceable in their entirety. In the event that the Part V-Unit-Group Conditions for Closure Unit Group 5, 207-A South Retention Basin conflict with the Part I-Standard Conditions and/or Part II-General Facility Conditions of the Permit, the unit-group conditions will prevail for Closure Unit Group 5, 207-A SRB.

1 **V.5.B CLOSURE**

2 **V.5.B.1** The Permittees will comply with all requirements set forth in the Chapter 4, Closure Plan,  
3 and close the 207-A SRB in accordance with the Chapter 4, Closure Plan.  
4 ([WAC 173-303-610](#))

5 **V.5.B.2** Upon receipt of the final laboratory analytical report, the Permittees will use the data  
6 analysis function to generate the Data Analysis Report from the Visual Sample Plan, in  
7 order to demonstrate whether sampling assumptions in the Chapter 4, Closure Plan,  
8 Appendix A, were met. The Permittees will provide the Data Analysis Report to Ecology  
9 within 30 days of the effective date of this permit modification. If sampling assumptions  
10 were not met, the Permittees must submit a permit modification request, in accordance  
11 with Permit Condition I.C.3, to amend the closure plan to include a revised sampling  
12 design. The permit modification request must be submitted within 60 days of submittal  
13 of the Visual Sample Plan Data Analysis Report to Ecology.

14 **V.5.B.3** If a temporary loading stockpile (not a staging pile or waste pile) is used to load  
15 containers with waste from closure activities, soil samples are required to be taken from  
16 within the loading stockpile footprint to confirm no new area of contamination (AOC)  
17 has been created. Analytical results of any sampling must be submitted with the closure  
18 certification, in accordance with the Chapter 4, Closure Plan.

19 **V.5.B.4** If all contaminated soils cannot be removed at closure, a modified closure plan must be  
20 submitted to Ecology within 60 days of the determination that clean closure cannot be  
21 achieved. The modified closure plan must be submitted in accordance with Permit  
22 Condition I.C.3.

23 **V.5.B.5** If the 207-A SRB cannot be clean closed, a post-closure plan and groundwater  
24 monitoring plan must be submitted to Ecology within 90 days of the determination that  
25 the unit cannot be clean closed. Post-closure plan and groundwater monitoring plan  
26 submissions are permit modifications that must be submitted in accordance with Permit  
27 Condition I.C.3.

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