Annual Hanford Site Environmental Permitting Status Report

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**United States
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P.O. Box 550
Richland, Washington 99352

Christine Hillingham 10/3/00
Release Approval Date

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ANNUAL HANFORD SITE ENVIRONMENTAL PERMITTING STATUS REPORT

EXECUTIVE SUMMARY

The information contained in, and/or referenced in, this *Annual Hanford Site Environmental Permitting Status Report* addresses Permit Condition II.W (Other Permits and/or Approvals) of the *Dangerous Waste Portion of the Resource Conservation and Recovery Act Permit for the Treatment, Storage, and Disposal of Dangerous Waste*, issued by the Washington State Department of Ecology (WA7890008967).

Condition II.W specifies that the Permittees are responsible for obtaining all other applicable federal, state, and local permits authorizing the development and operation of the Hanford Facility. This status report also addresses Permit Condition I.E.22, as interpreted in Section 12.1.25 of the *Hanford Facility Dangerous Waste Permit Application, General Information Portion* (DOE/RL-91-28, Rev. 4), that states this report will be prepared annually and a copy of this report will be placed in the Facility Operating Record, General Information file by October 1 of each year.

The Washington State Department of Ecology *Dangerous Waste Regulations* (WAC 173-303) recently was amended to require that all Part As for final status permit applications include a listing of specific environmental permits and construction approvals for various environmental programs. The list of environmental programs is provided in WAC 173-303-803(3)(k). In response to this requirement, a list is provided that provides a cross-reference of the environmental permits and construction approvals for the various Hanford Site *Resource Conservation and Recovery Act of 1976* treatment, storage, and/or disposal units that are incorporated or are scheduled for incorporation as final status operating treatment, storage, and/or disposal units.

In support of the previously discussed requirements, the *Annual Hanford Site Environmental Permitting Status Report* includes updated information on the following:

- Environmental permitting required by the *Resource Conservation and Recovery Act of 1976*, the *Hazardous and Solid Waste Amendments of 1984*, and non-*Resource Conservation and Recovery Act of 1976* permitting (solid waste handling, *Clean Air Act Amendments of 1990*, *Clean Water Act Amendments of 1987*, Washington State waste discharge, and onsite sewage system)
- Compliance with the *Clean Air Act* requires facility-specific and sitewide compliance activities. At the facility-specific level, each facility that emits constituents regulated by the *Clean Air Act* must comply as appropriate.
- The *Radioactive Air Emissions Program Permit* (FF-01) governs the operations of radioactive emissions sources that have the potential to emit radionuclides. Title V of the *Clean Air Act* requires an air operating permit for major emitting facilities. For the purpose of Title V, the Hanford Site is considered a single facility. As such, the Hanford Site is considered a major source requiring one Title V permit. The Hanford Site Air Operating Permit is anticipated to be issued in 2001.
- The subset listing of other environmental permits and construction approvals that also apply to the Hanford Site *Resource Conservation and Recovery Act of 1976* treatment, storage, and/or disposal units that are incorporated or are scheduled for incorporation as final status operating treatment, storage, and/or disposal units.

- The sitewide permits governing liquid process effluent discharges to the Columbia River, soil column, and the storm water program. .

Information is current as of July 31, 2000.

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ACRONYMS

ALARA	as low as reasonably achievable
ALARACT	as low as reasonably achievable control technology
BARCT	best available radionuclide control technology
CAM	continuous air monitor
CFR	Code of Federal Regulations
CSB	canister storage building
CVDF	cold vacuum drying facility
CWC	Central Waste Complex
DCRT	double-contained receiver tank
DOE	U.S. Department of Energy
DOE-RL	U.S. Department of Energy, Richland Operations Office
DST	double-shell tank
DW	dangerous waste
EAL	Environmental Analytical Laboratory
Ecology	Washington State Department of Ecology
EMSL	Environmental Molecular Sciences Laboratory
EPA	U.S. Environmental Protection Agency
ERC	Environmental Restoration Contractor
200 Area ETF	200 Area Effluent Treatment Facility
FFCA	Federal Facility Compliance Agreement
FFTF	Fast Flux Test Facility
GIP	General Information Portion
HEPA	high-efficiency particulate air (filter)
HF RCRA Permit	<i>Dangerous Waste Portion of the Hanford Facility Resource Conservation and Recovery Act Permit for the Treatment, Storage, and Disposal of Dangerous Waste</i>
HNF	Hanford Nuclear Facility (document identifier)
HWTU	Hazardous Waste Treatment Units
LERF	Liquid Effluent Retention Facility
LETS	Liquid Effluent Transfer System
LLBG	Low-Level Burial Grounds
LLW	low-level waste
NESHAP	National Emission Standards for Hazardous Air Pollutants
NOC	notice of construction
NPDES	National Pollutant Discharge Elimination System
PCM	periodic confirmatory measurement
PFP	Plutonium Finishing Plant
PRTR	Plutonium Recycle Test Reactor
PTE	potential to emit

PTRAEU	portable temporary radioactive air emission unit
PUREX	plutonium-uranium extraction (plant)
RCF	radiological counting facility
RCRA	<i>Resource Conservation and Recovery Act of 1976</i>
RD&D	research, development, and demonstration
REDOX	reduction and oxidation (S Plant)
RMCS	rotary mode core sampling
SST	single-shell tank
TBD	to be determined
TEDF	Treated Effluent Disposal Facility
Tri-Party Agreement	<i>Hanford Federal Facility Agreement and Consent Order</i>
TRUSAF	Transuranic Waste Storage and Assay Facility
TSD	treatment, storage, and/or disposal
VOC	volatile organic compound
WAC	Washington Administrative Code
WDOH	Washington State Department of Health
WESF	Waste Encapsulation and Storage Facility
WHC	Westinghouse Hanford Company (document identifier)
WRAP	Waste Receiving and Processing (Facility)
WSCF	Waste Sampling and Characterization Facility

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**LIST OF PERMITS AND CONSTRUCTION APPROVALS RELATING TO
RESOURCE CONSERVATION AND RECOVERY ACT OPERATIONAL
TREATMENT, STORAGE, AND/OR DISPOSAL UNITS**

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**1.0 RESOURCE CONSERVATION AND RECOVERY ACT
OPERATIONAL TREATMENT, STORAGE, AND/OR DISPOSAL UNITS**

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HANFORD FACILITY

Permit Type: RCRA Operational TSD Units

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☐ Final ☐

Contractor: Fluor Hanford, Bechtel Hanford, Inc.,
Pacific Northwest National Laboratory, CH2M HILL
Hanford Group, DOE-RL

Permit Number: WA7890008967

Issuance Date:

Expiration Date: 09/27/2004

Brief Summary of Relevant Information:

The initial HF RCRA Permit (Revision 0) was issued by Washington State Department of Ecology (Ecology) and the U.S. Environmental Protection Agency (EPA) on August 29, 1994, and became effective on September 28, 1994. The HF RCRA Permit governs all final status treatment, storage, and/or disposal (TSD) activities on the Hanford Facility. Revision 0 of the HF RCRA Permit (DW Portion) incorporated five TSD units. Revision 1 of the HF RCRA Permit (DW Portion) became effective on May 29, 1995, and incorporated five additional TSD units. Revision 2 of the HF RCRA Permit (DW Portion) became effective on September 28, 1995. Revision 3 of the HF RCRA Permit (DW Portion) became effective on December 26, 1996. Revision 3A (April 16, 1997) provided corrections to Revision 3 and maintained the same effective date. Revision 4A of the HF RCRA Permit became effective February 28, 1998. Revision 5 of the HF RCRA Permit became effective June 17, 1999. A HF RCRA Permit modification package was submitted to Ecology in June 1999. Revision 6 of the HF RCRA Permit was issued on March 28, 2000, and incorporated Part II General Conditions for corrective actions.

The Part B permit application is a single application organized into a General Information Portion (GIP) and the Unit-Specific Portion. The purpose of the GIP is to provide an overview of the Hanford Facility and to provide general information for all units to aid in the permitting process.

200 AREA EFFLUENT TREATMENT FACILITY

Permit Type: RCRA Operational TSD Units **Permitting Agency:** Ecology

Existing ☒ New ☐ **DOE Office:** Richland Operations Office

Interim ☐ Final ☒ **Contractor:** Fluor Hanford
Additional schedule information in Appendix A

Permit Number: WA7890008967
Issuance Date: 02/28/98
Expiration Date: 09/27/2004

Brief Summary of Relevant Information:

Part A, Form 3, dangerous waste permit application documentation for the 200 Area Effluent Treatment Facility (ETF) originally was submitted to Ecology and the EPA in June 1991. The Part A permit application information for the 200 Area ETF is provided in Section 4.2.1.13 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

Tri-Party Agreement Milestone M-20-50 was satisfied with the submittal of the Part B dangerous waste permit application documentation to Ecology and the EPA on August 31, 1993. Subsequently, the 200 Area ETF and Liquid Effluent Retention Facility (LERF) Part B dangerous waste permit applications were combined into one Part B permit application, Revision 0. LERF and 200 Area ETF (based on documentation contained in DOE/RL-97-03) was incorporated into the HF RCRA Permit (DW portion) and is currently operating under final status provisions contained in Chapter 4 of Part III of the HF RCRA Permit.

204-AR WASTE UNLOADING STATION

Permit Type: RCRA Operational TSD Units

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Office of River Protection

Interim ☒ Final ☐

Contractor: CH2M HILL Hanford Group

Permit Number: WA7890008967

Issuance Date:

Expiration Date:

Brief Summary of Relevant Information:

Part A, Form 3, dangerous waste permit application documentation for the 204-AR Waste Unloading Station originally was submitted to Ecology and the EPA in November 1987. The Part A permit application information for the 204-AR Waste Unloading Station is provided in Section 4.2.1.10 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

The 204-AR Waste Unloading Station will be added to Revision 1 of the Hanford Facility Dangerous Waste Permit Application, Double-Shell Tank System documentation. The Double-Shell Tank System is scheduled to be incorporated into the HF RCRA Permit (DW Portion) in calendar year 2001 (refer to Appendix A).

222-S LABORATORY COMPLEX

Permit Type: RCRA Operational TSD Units

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☒ Final ☐

Contractor: Fluor Hanford

Additional schedule information in Appendix A

Permit Number: WA7890008967

Issuance Date:

Expiration Date:

Brief Summary of Relevant Information:

Part A, Form 3, dangerous waste permit application documentation for the 222-S Laboratory Complex originally was submitted to Ecology and the EPA on November 25, 1987. The Part A permit application information for the 222-Laboratory Complex is provided in Section 4.2.1.9 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

Tri-Party Agreement Milestone M-20-22 was satisfied with the submittal of the Part B dangerous waste permit application documentation to Ecology and the EPA in December 1991. The 222-S Laboratory Complex Part B permit application, Revision 1, is scheduled to be incorporated into the HF RCRA Permit (DW Portion) in calendar year 2001 (refer to Appendix A).

242-A EVAPORATOR

Permit Type: RCRA Operational TSD Units

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☐ Final ☒

Contractor: Fluor Hanford

Additional schedule information in Appendix A

Permit Number: WA7890008967

Issuance Date: 02/28/98

Expiration Date: 09/27/2004

Brief Summary of Relevant Information:

Part A, Form 3, dangerous waste permit application documentation for the 242-A Evaporator originally was submitted to Ecology and the EPA in September 1987. The Part A permit application information for the 242-A Evaporator is provided in Section 4.2.1.4 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

Tri-Party Agreement Milestone M-20-17 was satisfied with the submittal of the Part B dangerous waste permit application documentation to Ecology and the EPA in June 1991. The 242-A Evaporator Part B dangerous waste permit application documentation, Revision 1, was incorporated into the HF RCRA Permit (DW Portion) and currently is operating under final status provisions contained in Chapter 4 of Part III of the HF RCRA Permit.

305-B STORAGE UNIT

Permit Type: RCRA Operational TSD Units

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☐ Final ☒

Contractor: Pacific Northwest National Laboratory

Additional schedule information in Appendix A

Permit Number: WA7890008967

Issuance Date: 09/28/94

Expiration Date: 09/27/2004

Brief Summary of Relevant Information:

Part A, Form 3, dangerous waste permit application documentation for the 305-B Storage Unit originally was submitted to Ecology and the EPA in May 1988. One revision of the Part A, Form 3, dangerous waste permit application documentation has been submitted. The Part A permit application information for the 305-B Storage Unit is provided in Section 4.3.2.3 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

Tri-Party Agreement Milestone M-20-08 was satisfied with the submittal of the Part B dangerous waste permit application documentation to Ecology and the EPA in January 1990. Revision 2 of the 305-B Storage Unit Part B dangerous waste permit application documentation was incorporated into the HF RCRA Permit (DW Portion), Revision 0 and currently is operating under final status provisions contained in Chapter 2, Part III of the HF RCRA Permit. Several Class 1 modifications have been submitted quarterly following incorporation of the unit.

325 HAZARDOUS WASTE TREATMENT UNITS

Permit Type: RCRA Operational TSD Units **Permitting Agency:** Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☐ Final ☒

Contractor: Pacific Northwest National Laboratory

Additional schedule information in Appendix A

Permit Number: WA7890008967

Issuance Date: 01/28/98

Expiration Date: 09/27/2004

Brief Summary of Relevant Information:

Part A, Form 3, dangerous waste permit application documentation for the 325 Hazardous Waste Treatment Units (HWTUs) originally was submitted to Ecology and the EPA in May 1988. Four revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted. The Part A permit application information for the 325 HWTUs is provided in Section 4.3.1.7 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

Tri-Party Agreement Milestone M-20-20 was satisfied with the submittal of the Part B dangerous waste permit application documentation to Ecology and the EPA in June 1992. The 325 Shielded Analytical Laboratory activities that operated under the Physical/Chemical Treatment Test Facilities Part A, Form 3, were added to the 325 HWTUs Part A, Form 3, on December 2, 1994. A tank system to collect discharges formerly made to the 300 Area Radioactive Liquid Waste System was added to the permit documentation in 1997. Revision 1 of the 325 HWTUs Part B dangerous waste permit application documentation was incorporated into the HF RCRA Permit (DW Portion), Revision 4 and currently is operating under final status provisions contained in Chapter 6, Part III of the HF RCRA Permit. Several Class 1 modifications of the application documentation have been submitted quarterly following incorporation of the unit.

600 AREA PURGEWATER STORAGE AND TREATMENT FACILITY

Permit Type: RCRA Operational TSD Units **Permitting Agency:** Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☒ Final ☐

Contractor: Bechtel Hanford, Inc.

Permit Number: WA7890008967

Issuance Date:

Expiration Date:

Brief Summary of Relevant Information:

Part A, Form 3, dangerous waste permit application documentation for the 600 Area Purgewater Storage and Treatment Facility originally was submitted to Ecology and the EPA in February 1990. Three revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted. The Part A permit application information for the 600 Area Purgewater Storage and Treatment Facility is provided in Section 4.5.2.2 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

The 600 Area Purgewater Storage and Treatment Facility currently is operational under interim status and is planned to be closed in the near future.

CENTRAL WASTE COMPLEX

Permit Type: RCRA Operational TSD Units

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☒ Final ☐

Contractor: Fluor Hanford

Additional schedule information in Appendix A

Permit Number: WA7890008967

Issuance Date:

Expiration Date:

Brief Summary of Relevant Information:

Part A, Form 3, dangerous waste permit application documentation for the Central Waste Complex originally was submitted to Ecology and the EPA in May 1988. The Part A permit application information for CWC is provided in Section 4.2.2.7 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

Tri-Party Agreement Milestone M-20-05 was satisfied with the submittal of the Part B dangerous waste permit application documentation to Ecology and the EPA in October 1991. Revision 1 of the Part B dangerous waste permit application documentation was submitted on June 1, 1998, for incorporation into the HF RCRA Permit (DW Portion) in Modification D. Extensive comments to draft permit conditions issued by Ecology were provided on November 9, 1998. Ecology subsequently withheld including the Part B dangerous waste permit application documentation from incorporation into the HF RCRA Permit, Modification D. Various replacement chapters and appendices were provided to Ecology on June 29, 1999, for public comment. At the time of this reporting (07/30/00) the final status permit for CWC has not been issued.

DOUBLE-SHELL TANK SYSTEM

Permit Type: RCRA Operational TSD Units

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Office of River Protection

Interim ☒ Final ☐

Contractor: CH2M HILL Hanford Group

Additional schedule information in Appendix A

Permit Number: WA7890008967

Issuance Date:

Expiration Date:

Brief Summary of Relevant Information:

Part A, Form 3, dangerous waste permit application documentation for the Double-Shell Tank System originally was submitted to Ecology and the EPA in September 1987. Ten revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted. The Part A permit application information for the Double-Shell Tank System is provided in Section 4.2.2.2 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

Tri-Party Agreement Milestone M-20-16 was satisfied with the submittal of the Part B dangerous waste permit application documentation to Ecology and the EPA in June 1991. A revised Part B permit application (Revision 1A-draft) that incorporates the 204-AR vault was submitted to Ecology in December 1999. Due to scheduling conflicts, workshops are on hold with Ecology to finalize the Double-Shell Tank System Part B dangerous waste permit application documentation. The Double-Shell Tank System is scheduled to be incorporated into the HF RCRA Permit (DW Portion) in calendar year 2001 (refer to Appendix A).

GROUT TREATMENT FACILITY

Permit Type: RCRA Operational TSD Units **Permitting Agency:** Ecology
Existing ☒ **New** ☐ **DOE Office:** Office of River Protection
Interim ☒ **Final** ☐ **Contractor:** CH2M HILL Hanford Group

Permit Number: WA7890008967
Issuance Date:
Expiration Date:

Brief Summary of Relevant Information:

Part A, Form 3, dangerous waste permit application documentation for the Grout Treatment Facility originally was submitted to Ecology and the EPA in September 1987. Seven revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted. The Part A permit application information for the Grout Treatment Facility is provided in Section 4.2.1.5 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

Part B dangerous waste permit application documentation originally was submitted to Ecology and the EPA on November 23, 1988. Per the Fourth Amendment of the Tri-Party Agreement, the Grout Treatment Facility has been placed in a standby mode. Ecology was notified on April 26, 1994 that all work on the Grout Treatment Facility Part B dangerous waste permit application documentation was discontinued.

HANFORD WASTE VITRIFICATION PLANT

Permit Type: RCRA Operational TSD Units **Permitting Agency:** Ecology
Existing ☒ **New** ☐ **DOE Office:** Office of River Protection
Interim ☒ **Final** ☐ **Contractor:** TBD
Additional schedule information in Appendix A

Permit Number: WA7890008967
Issuance Date:
Expiration Date:

Brief Summary of Relevant Information:

Part A, Form 3, dangerous waste permit application documentation for the Hanford Waste Vitrification Plant originally was submitted to Ecology and the EPA in May 1988. The Part A permit application information for the Hanford Waste Vitrification Plant is provided in Section 4.2.12 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

Work on the Hanford Waste Vitrification Plant Part B permit application has been suspended pending the selection of a replacement contractor by the U.S. Department of Energy.

IMMOBILIZED HIGH-LEVEL WASTE STORAGE UNIT

Permit Type: RCRA Operational TSD Units

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☒ Final ☐

Contractor: Fluor Hanford

Additional schedule information in Appendix A

Permit Number: WA7890008967

Issuance Date:

Expiration Date:

Brief Summary of Relevant Information:

A notice of intent was issued in January 1999. The Part A, Form 3, was submitted to Ecology on June 30, 1999. The Part A permit application information for the Immobilized High-Level Waste Interim Storage Unit is provided in Section 4.2.2.12 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

The Immobilized High-Level Waste Interim Storage Unit is located in the Canister Storage Building in the 200 East Area. The storage process is scheduled to begin operations in February 2007. The interim storage unit will store canisters of vitrified mixed immobilized high-level waste from the treatment of Hanford Facility tank system waste. The vitrified mixed waste canisters eventually will be transported to an approved national geological repository for disposal. A schedule for preparing the Part B final status permit application is provided in Appendix A.

LIQUID EFFLUENT RETENTION FACILITY

Permit Type: RCRA Operational TSD Units **Permitting Agency:** Ecology
Existing ☒ **New** ☐ **DOE Office:** Richland Operations Office
Interim ☐ **Final** ☒ **Contractor:** Fluor Hanford
Additional schedule information in Appendix A

Permit Number: WA7890008967
Issuance Date: 09/28/98
Expiration Date: 09/27/2004

Brief Summary of Relevant Information:

Part A, Form 3, dangerous waste permit application documentation for LERF originally was submitted to Ecology and the EPA in February 1990. The Part A permit application information for LERF is provided in Section 4.2.2.10 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

Tri-Party Agreement Milestone M-20-47 was satisfied with the submittal of the Part B dangerous waste permit application documentation to Ecology and the EPA in June 1991. Subsequently, the LERF and 200 Area ETF Part B dangerous waste permit applications were combined into one Part B permit application (DOE/RL-97-03). The LERF/ETF permit application was incorporated into the HF RCRA Permit (DW Portion), Revision 4A, and currently is operating under final status provisions contained in Chapter 4 of Part III of the HF RCRA Permit.

LOW-LEVEL BURIAL GROUNDS

Permit Type: RCRA Operational TSD Units

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☒ Final ☐

Contractor: Fluor Hanford

Additional schedule information in Appendix A

Permit Number: WA7890008967

Issuance Date:

Expiration Date:

Brief Summary of Relevant Information:

Part A, Form 3, for the Low-Level Burial Grounds originally was submitted to Ecology and the EPA in October 1985. The Part A permit application information for the Low-Level Burial Grounds is provided in Section 4.2.3.1 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

Tri-Party Agreement Milestone M-20-06 was satisfied with the submittal of the Part B dangerous waste permit application documentation to Ecology and the EPA in December 1989. Submittal and incorporation of a revised Part B permit is provided in Appendix A under the heading Mixed Waste Disposal Units. A working draft of the Part B permit application was submitted to Ecology on June 7, 2000.

PUREX STORAGE TUNNELS

Permit Type: RCRA Operational TSD Units

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☐ Final ☒

Contractor: Fluor Hanford

Additional schedule information in Appendix A

Permit Number: WA7890008967

Issuance Date: 12/26/96

Expiration Date: 09/27/2004

Brief Summary of Relevant Information:

Part A, Form 3, dangerous waste permit application documentation for the PUREX Storage Tunnels originally was submitted to Ecology and the EPA in November 1987. The Part A permit application information for the PUREX Storage Tunnels is provided in Section 4.2.2.5 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

Tri-Party Agreement Milestone M-20-11 was satisfied with the submittal of the Part B dangerous waste permit application documentation to Ecology and the EPA in September 1990. Revision 3 of the PUREX Storage Tunnels Part B dangerous waste permit application documentation was submitted to Ecology on July 26, 1996. The PUREX Storage Tunnels were incorporated into the HF RCRA Permit (DW Portion), Revision 3. Revision 4 of the PUREX Storage Tunnels Part B dangerous waste permit application documentation was submitted to Ecology on April 14, 1997, and identified deactivation activities at the PUREX Plant and provided a revised inventory. The PUREX Storage Tunnels currently is operating under final status provisions contained in Chapter 3, Part III, of the HF RCRA Permit.

SODIUM STORAGE FACILITY AND SODIUM REACTION FACILITY

Permit Type: RCRA Operational TSD Units **Permitting Agency:** Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☒ Final ☐

Contractor: Fluor Hanford

Permit Number: WA7890008967

Issuance Date:

Expiration Date:

Brief Summary of Relevant Information:

Part A, Form 3, dangerous waste permit application documentation for the Sodium Storage Facility and Sodium Reaction Facility originally was submitted to Ecology and the EPA on May 1, 1995. The Part A permit application information for the Sodium Storage Facility is provided in Section 4.4.2.2 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

Construction of the Sodium Storage Facility has been completed, but no waste management activities have taken place. The unit was designed and constructed as a RCRA-compliant unit.

Shutdown of the Fast Flux Test Facility began in 1993. However, the Fast Flux Test Facility was placed in standby in December 1996. The original intent was to transfer the metallic sodium to the Sodium Storage Facility and store as product. Plans to transfer the sodium to the Sodium Storage Facility were halted pending a decision by the U.S. Department of Energy on the future status of the Fast Flux Test Facility.

T PLANT COMPLEX

Permit Type: RCRA Operational TSD Units

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☒ Final ☐

Contractor: Fluor Hanford

Additional schedule information in Appendix A

Permit Number: WA7890008967

Issuance Date:

Expiration Date:

Brief Summary of Relevant Information:

Part A, Form 3, dangerous waste permit application documentation for the T Plant Complex originally was submitted to Ecology and the EPA in November 1987. The Part A permit application information for T Plant Complex is provided in Section 4.2.1.6 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

Tri-Party Agreement Milestone M-20-51 was satisfied with the submittal of the Part B dangerous waste permit application documentation to Ecology and the EPA in December 1995. The T Plant Complex is scheduled to be incorporated into the HF RCRA Permit (DW Portion) in calendar year 2002 (refer to Appendix A). A working draft of the Part B permit application was submitted to Ecology on June 7, 2000.

PLUTONIUM FINISHING PLANT TREATMENT UNIT

Permit Type: RCRA Operational TSD Units

Permitting Agency:

Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☒ Final ☐

Contractor: Fluor Hanford

Permit Number: WA7890008967

Issuance Date:

Expiration Date:

Brief Summary of Relevant Information:

Part A, Form 3, Revision 0 for the Plutonium Finishing Plant Treatment Unit was submitted to Ecology on December 23, 1998. Two revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted. The Part A permit application information for the Plutonium Finishing Plant Treatment Unit is provided in Section 4.2.1.15 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

No treatment activities have taken place at the unit following submittal of the Part A, Form 3. The Plutonium Finishing Plant has prepared required documentation in support of interim operation of the unit to perform treatment of plutonium bearing materials. A schedule for submittal of a Part B permit application for the unit or its incorporation into the HF RCRA Permit has not been defined.

WASTE RECEIVING AND PROCESSING FACILITY

Permit Type: RCRA Operational TSD Units **Permitting Agency:** Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☒ Final ☐

Contractor: Fluor Hanford

Additional schedule information in Appendix A

Permit Number: WA7890008967

Issuance Date:

Expiration Date:

Brief Summary of Relevant Information:

Part A, Form 3, dangerous waste permit application documentation for Waste Receiving and Processing (WRAP) Facility originally was submitted to Ecology and the EPA in 1988. Three revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted. The Part A permit application information for the WRAP Facility is provided in Section 4.2.1.14 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

Tri-Party Agreement Milestone M-20-12 was satisfied with the submittal of the Part B dangerous waste permit application documentation to Ecology and the EPA in October 1991. Revision 1 of the Part B dangerous waste permit application documentation was submitted on June 1, 1998, for incorporation into the HF RCRA Permit (DW Portion) in Modification D. Extensive comments to draft permit conditions issued by Ecology were provided on November 9, 1998. Ecology subsequently withheld including the Part B dangerous waste permit application documentation from incorporation into the HF RCRA Permit, Modification D. Various replacement chapters and appendices were provided to Ecology on June 29, 1999, for public comment. At the time of this reporting (07/30/00) the final status permit for the WRAP Facility has not been issued.

WASTE ENCAPSULATION AND STORAGE FACILITY

Permit Type: RCRA Operational TSD Units

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☒ Final ☐

Contractor: Fluor Hanford

Permit Number: WA7890008967

Issuance Date:

Expiration Date:

Brief Summary of Relevant Information:

Part A, Form 3, dangerous waste permit application documentation for the Waste Encapsulation and Storage Facility was submitted to Ecology and the EPA on December 19, 1997. One revision of the Part A, Form 3, dangerous waste permit application has been submitted. Submittal of this Part A, Form 3, satisfied TPA Milestone M-92-03. The Part A permit application information for the Waste Encapsulation and Storage Facility is provided in Section 4.2.2.12 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

Two areas within the Waste Encapsulation and Storage Facility store capsules and/or unencapsulated salts. Pool cells provide underwater storage for radiological protection from the cesium-137 and strontium-90 capsules. Dry process cells provide interim dry storage of capsules, unencapsulated salts, and other miscellaneous waste.

Schedule for submittal of the Part B permit application documentation is to be determined.

2.0 RESOURCE CONSERVATION AND RECOVERY ACT WITHDRAWAL REQUESTS AND PROCEDURAL CLOSURES

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221-T CONTAINMENT SYSTEMS TEST FACILITY

Permit Type: RCRA Withdrawal Requests
and Procedural Closures

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☐ Final ☐

Contractor: Fluor Hanford

Permit Number: WA7890008967

Issuance Date:

Expiration Date:

Brief Summary of Relevant Information:

Part A, Form 3, and Part B dangerous waste permit application documentation for the 221-T Containment Systems Test Facility originally was submitted to Ecology and the EPA in November 1985. Three revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted. The Part A permit application information for the 221-T Containment Systems Test Facility is provided in Section 4.2.1.1 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

This unit was included in the withdrawal request package submitted to Ecology and the EPA on June 22, 1989, in fulfillment of Tri-Party Agreement Milestone M-20-45. The unit was closed in February 1999. The Part A, Form 3, dangerous waste permit application documentation was stamped with "closed 02/22/99" to indicate procedural closure.

324 PILOT PLANT

Permit Type: RCRA Withdrawal Requests
and Procedural Closures

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☐ Final ☐

Contractor: Pacific Northwest National Laboratory

Permit Number: WA7890008967

Issuance Date:

Expiration Date:

Brief Summary of Relevant Information:

Part A, Form 3, dangerous waste permit application documentation for the 324 Pilot Plant originally was submitted to Ecology and the EPA in November 1985. Three revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted. The Part A permit application information for the 324 Pilot Plant is provided in Section 4.3.1.2 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

This unit was included in the withdrawal request package submitted to Ecology and the EPA on June 22, 1989, in fulfillment of Tri-Party Agreement Milestone M-20-45. Ecology reviewed this submittal and requested additional information for this unit. In December 1989, additional information was submitted to Ecology in support of the withdrawal request. On August 8, 1996, Ecology inspected the 324 Pilot Plant and requested information necessary to support procedural closure. This information was provided to Ecology in three submittals dated August 12, September 5, and November 1, 1996. On February 20, 1997, Ecology notified DOE-RL that the documentation was complete. Subsequently, Ecology completed the administrative process. The Part A, Form 3, dangerous waste permit application documentation was stamped with "closed 06/09/97" to indicate procedural closure.

332 STORAGE FACILITY

Permit Type: RCRA Withdrawal Requests
and Procedural Closures

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☐ Final ☐

Contractor: Pacific Northwest National Laboratory

Permit Number: WA7890008967

Issuance Date:

Expiration Date:

Brief Summary of Relevant Information:

Part A, Form 3, dangerous waste permit application documentation for the 332 Storage Facility originally was submitted to Ecology and the EPA in May 1988. No revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted. The Part A permit application information for the 332 Storage Facility is provided in Section 4.3.2.4 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

This unit was included in the withdrawal request package submitted to Ecology and the EPA on June 22, 1989, in fulfillment of Tri-Party Agreement Milestone M-20-45. Ecology reviewed this submittal and requested additional information for this unit. In December 1989, additional information was submitted to Ecology in support of the withdrawal request. On August 8, 1996, Ecology inspected the 332 Storage Facility and requested information necessary to support procedural closure. This information was provided to Ecology in three submittals dated August 12, September 5, and November 14, 1996. Subsequently, Ecology completed the administrative process. The Part A, Form 3, dangerous waste permit application documentation was stamped with "closed 04/21/97" to indicate procedural closure.

437 MAINTENANCE AND STORAGE FACILITY

Permit Type: RCRA Withdrawal Requests
and Procedural Closures

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☐ Final ☐

Contractor: Fluor Hanford

Permit Number: WA7890008967

Issuance Date:

Expiration Date:

Brief Summary of Relevant Information:

Part A, Form 3, and Part B dangerous waste permit application documentation for the 437 Maintenance and Storage Facility originally was submitted to Ecology and the EPA in November 1985. Three revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted. The Part A permit application information for the 437 Maintenance and Storage Facility is provided in Section 4.4.1.1 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

Tri-Party Agreement Milestone M-20-29 required submittal of revised Part B dangerous waste permit application documentation to Ecology and the EPA by November 30, 1993. Tri-Party Agreement change request M-20-92-6 was submitted to Ecology and the EPA in September 1992, which deferred the milestone. Regulator approval of the change request was received in October 1992. The Part A, Form 3, permit application was submitted to allow the treatment of sodium residues on waste components before disposal. The sodium removal system designed to perform this treatment was built, but never activated. The facility never operated as a TSD unit. In accordance with Section 6.3.3 of the Tri-Party Agreement, a procedural closure of the Part A permit application for the 437 Maintenance and Storage Facility was initiated in 1995 based on direction from the U.S. Department of Energy to shutdown the Fast Flux Test Facility. When the U.S. Department of Energy placed the Fast Flux Test Facility in standby in December of 1996, the procedural closure process halted. The future direction of 437 Maintenance and Storage Facility will be determined by the disposition of the Fast Flux Test Facility.

1706-KE WASTE TREATMENT SYSTEM

Permit Type: RCRA Withdrawal Requests
and Procedural Closures

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☐ Final ☐

Contractor: Fluor Hanford

Permit Number: WA7890008967

Issuance Date:

Expiration Date:

Brief Summary of Relevant Information:

Part A, Form 3, dangerous waste permit application documentation for the 1706-KE Waste Treatment System originally was submitted to Ecology in August 1986. Three revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted. Part B dangerous waste permit application documentation was submitted to Ecology and the EPA in April 1987. The Part A permit application information for the 1706-KE Waste Treatment System is provided in Section 4.1.1.3 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

This unit was included in the withdrawal request package submitted to Ecology and the EPA on June 22, 1989, in fulfillment of Tri-Party Agreement Milestone M-20-45. Ecology reviewed this submittal and requested additional information for this unit. In December 1989, additional information was submitted to Ecology in support of the withdrawal request. Additional information was provided to Ecology in 1997. Ecology responded with a letter dated March 5, 1998 denying the procedural closure. In July 1999 DOE-RL formally submitted a proposal to Ecology to perform the closure of the 1706-KE Waste Treatment System in conjunction with CERCLA cleanup activities. Negotiations with Ecology are ongoing to close this unit under CERCLA.

2727-WA SODIUM REACTOR EXPERIMENT SODIUM STORAGE BUILDING

Permit Type: RCRA Withdrawal Requests
and Procedural Closures

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☐ Final ☐

Contractor: Fluor Hanford

Permit Number: WA7890008967

Issuance Date:

Expiration Date:

Brief Summary of Relevant Information:

Part A, Form 3, dangerous waste permit application documentation for the 2727-WA Sodium Reactor Experiment Sodium Storage Building originally was submitted to Ecology and the EPA in November 1987. The Part A permit application information is provided in Section 4.2.2.4 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

This unit was included in the withdrawal request package submitted to Ecology and the EPA on June 22, 1989, in fulfillment of Tri-Party Agreement Milestone M-20-45. This unit was closed in February 1999. The Part A, Form 3, dangerous waste permit application was stamped with "closed 02/22/99".

BIOLOGICAL TREATMENT TEST FACILITIES

Permit Type: RCRA Withdrawal Requests
and Procedural Closures

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☐ Final ☐

Contractor: Pacific Northwest National Laboratory

Permit Number: WA7890008967

Issuance Date:

Expiration Date:

Brief Summary of Relevant Information:

Part A, Form 3, dangerous waste permit application documentation for the Biological Treatment Test Facilities originally was submitted to Ecology and the EPA in May 1988. No revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted. The Part A permit application information for the Biological Treatment Test facilities is provided in Section 4.3.1.8 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

Procedural closure documentation, in accordance with Section 6.3.3 of the Tri-Party Agreement, was submitted in December 1995 to fulfill Milestone M-20-44. On July 11, 1996, Ecology notified DOE-RL that the documentation was complete. On December 10, 1996, Ecology completed the administrative process. The Part A, Form 3, dangerous waste permit application documentation was stamped with "closed 12/10/96" to indicate procedural closure.

PHYSICAL AND CHEMICAL TREATMENT TEST FACILITIES

Permit Type: RCRA Withdrawal Requests
and Procedural Closures

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☐ Final ☐

Contractor: Pacific Northwest National Laboratory

Permit Number: WA7890008967

Issuance Date:

Expiration Date:

Brief Summary of Relevant Information:

Part A, Form 3, dangerous waste permit application documentation for the Physical and Chemical Treatment Test Facilities originally was submitted to Ecology and the EPA in May 1988. One revision of the Part A, Form 3, dangerous waste permit application documentation has been submitted. The Part A permit application information for the Physical and Chemical Treatment Test Facilities is provided in Section 4.3.1.9 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

Procedural closure documentation, in accordance with Section 6.3.3 of the Tri-Party Agreement, was submitted in September 1995 to fulfill Milestone M-20-43A. On January 25, 1996, Ecology notified DOE-RL that the administrative process was complete. The Part A, Form 3, dangerous waste permit application documentation was stamped with "closed 05/13/96" to indicate procedural closure.

THERMAL TREATMENT TEST FACILITIES

Permit Type: RCRA Withdrawal Requests
and Procedural Closures

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☐ Final ☐

Contractor: Pacific Northwest National Laboratory

Permit Number: WA7890008967

Issuance Date:

Expiration Date:

Brief Summary of Relevant Information:

Part A, Form 3, dangerous waste permit application documentation for the Thermal Treatment Test Facilities originally was submitted to Ecology and the EPA in May 1988. No revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted. The Part A permit application information for the Thermal Treatment Test Facilities is provided in Section 4.3.1.10 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

Procedural closure documentation, in accordance with Section 6.3.3 of the Tri-Party Agreement, was submitted in September 1995 to fulfill Milestone M-20-42A. On January 25, 1996, Ecology notified DOE-RL that the administrative process was complete. The Part A, Form 3, dangerous waste permit application documentation was stamped with "closed 05/13/96" to indicate procedural closure.

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3.0 RESOURCE CONSERVATION AND RECOVERY ACT PERMITTING RESEARCH, DEVELOPMENT, AND DEMONSTRATION

No activity this reporting period.

4.0 TOXIC SUBSTANCES CONTROL ACT PERMITTING

No activity this reporting period.

**5.0 RESOURCE CONSERVATION AND RECOVERY ACT TREATMENT,
STORAGE, AND/OR DISPOSAL UNITS UNDERGOING CLOSURE OR CLOSED**

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100-D PONDS

Permit Type: RCRA Treatment, Storage,
and/or Disposal Units
Undergoing Closure or Closed

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☐ Final ☐
Additional schedule information in Appendix A

Contractor: Bechtel Hanford, Inc.

Permit Number: WA7890008967

Issuance Date:

Expiration Date:

Brief Summary of Relevant Information:

Part A, Form 3, dangerous waste permit application documentation for the 100-D Ponds originally was submitted to Ecology and the EPA in August 1986. Four revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted. The Part a permit application information for 100-D Ponds is provided in section 4.1.2.4 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

Tri-Party Agreement Milestone M-20-40 was satisfied with the submittal of the 100-D Ponds Closure Plan to Ecology and the EPA on February 26, 1993. The 100-D Ponds was incorporated into the HF RCRA Permit (DW Portion, Part V, Chapter 15). Closure activity has been completed. Ecology has approved the closure certificate and the unit was approved as "cleaned closed" on August 27, 1999.

105-DR LARGE SODIUM FIRE FACILITY

Permit Type: RCRA Treatment, Storage,
and/or Disposal Units
Undergoing Closure or Closed

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☐ Final ☐
Additional schedule information in Appendix A

Contractor: Bechtel Hanford, Inc.

Permit Number: WA7890008967

Issuance Date: 09/28/95

Expiration Date: 09/27/2004

Brief Summary of Relevant Information:

Part A, Form 3, and Part B dangerous waste permit application documentation for the 105-DR Large Sodium Fire Facility originally was submitted to Ecology and the EPA in November 1985. Subsequently, a decision was made to close this TSD unit. Four revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted. The Part A permit application information for the 105-DR Large Sodium Fire Facility is provided in Section 4.1.1.2 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

Tri-Party Agreement Milestone M-20-41 was satisfied with the submittal of the 105-DR Large Sodium Fire Facility Closure Plan to Ecology and the EPA in September 1990. The 105-DR Large Sodium Fire Facility Closure Plan was incorporated into Revision 2, Chapter 10, Part V, of the HF RCRA Permit (DW Portion) that became effective on September 28, 1995.

Closure activities began in July 1995 and were completed in March 1996. Closure certification was submitted to Ecology on June 19, 1996, and Ecology accepted partial clean closure on July 16, 1996. The unit has been partially clean closed with the Part A, Form 3, revised to show the clean closed areas of the unit. The areas that were not cleaned closed will be remediated during decommissioning of the 105-DR reactor building and associated systems as stated in the *Engineering Evaluation/Cost Analysis for the 105-DR and 105-F Reactor Facilities and Ancillary Facilities* (DOE/RL-98-23, Rev. 0). During calendar year 1999, the HF RCRA Permit was modified to indicate that the unit had completed requirements in the closure plan. The remainder of closure will be performed under CERCLA.

200 WEST AREA ASH PIT DEMOLITION SITE

Permit Type: RCRA Treatment, Storage,
and/or Disposal Units
Undergoing Closure or Closed

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☐ Final ☐
Additional schedule information in Appendix A

Contractor: Fluor Hanford

Permit Number: WA7890008967

Issuance Date: 05/29/95

Expiration Date: 09/27/2004

Brief Summary of Relevant Information:

Part A, Form 3, and Part B dangerous waste permit application documentation for the 200 West Area Ash Pit Demolition Site originally was submitted to Ecology and the EPA in November 1985. Subsequently, a decision was made to close this TSD unit. Four revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted. The Part A permit application information for the 200 West Area Ash Pit Demolition Site is provided in Section 4.2.1.2 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

Tri-Party Agreement Milestone M-20-26 was satisfied with the submittal of the 200 West Area Ash Pit Demolition Site Closure Plan to Ecology and the EPA in November 1992. The 200 West Area Ash Pit Demolition Site Closure Plan was incorporated into Revision 1, Chapter 6, Part V, of the HF RCRA Permit (DW Portion) that became effective on May 29, 1995. Closure certification was submitted to Ecology on September 22, 1995. On October 26, 1995, Ecology approved the clean closure certification. The Part A, Form 3, dangerous waste permit application documentation was stamped with "closed 10/26/95".

216-B-3 EXPANSION PONDS

Permit Type: RCRA Treatment, Storage,
and/or Disposal Units
Undergoing Closure or Closed

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☐ Final ☐
Additional schedule information in Appendix A

Contractor: Fluor Hanford

Permit Number: WA7890008967

Issuance Date: 05/29/95

Expiration Date: 09/27/2004

Brief Summary of Relevant Information:

Originally the 216-B-3 Expansion Ponds were included with the 216-B-3 Pond Main Lobe, in a single Part A, Form 3, dangerous waste permit application documentation. In December 1993, the 216-B-3 Pond System Part A, Form 3, dangerous waste permit application documentation was separated into two Part A, Form 3s: one for the 216-B-3 Expansion Ponds and one for the 216-B-3 Main Pond and 216-B-3-3 Ditch. Part A, Form 3, dangerous waste permit application and closure plan documentation for the 216-B-3 Expansion Ponds were submitted to Ecology and the EPA on December 16, 1993. The Part A permit application information for the 216-B-3 Expansion Ponds is provided in Section 4.2.3.11 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

The 216-B-3 Expansion Ponds Closure Plan was incorporated into Revision 1, Chapter 8, Part V, of the HF RCRA Permit (DW Portion) May 29, 1995. Closure certification was submitted to Ecology on June 14, 1995. On June 27, 1995, Ecology approved the clean closure certification. The Part A, Form 3, dangerous waste permit application documentation was stamped with "closed 06/27/95".

218-E-8 BORROW PIT DEMOLITION SITE

Permit Type: RCRA Treatment, Storage,
and/or Disposal Units
Undergoing Closure or Closed

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☐ Final ☐
Additional schedule information in Appendix A

Contractor: Fluor Hanford

Permit Number: WA7890008967

Issuance Date: 05/29/95

Expiration Date: 09/27/2004

Brief Summary of Relevant Information:

Part A, Form 3, and Part B dangerous waste permit application documentation for the 218-E-8 Borrow Pit Demolition Site originally was submitted to Ecology and the EPA in November 1985. Subsequently, a decision was made to close this TSD unit. Four revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted. The Part A permit application information for the 218-B-8 Borrow Pit Demolition Site is provided in Section 4.2.1.3 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

Tri-Party Agreement Milestone M-20-28 was satisfied with the submittal of the 218-E-8 Borrow Pit Demolition Site Closure Plan to Ecology and the EPA in November 1992. The 218-E-8 Borrow Pit Demolition Site Closure Plan was incorporated into Revision 1, Chapter 5, Part V, of the HF RCRA Permit (DW Portion) that became effective on May 29, 1995. Closure certification was submitted to Ecology on September 22, 1995. On October 26, 1995, Ecology approved the clean closure certification. The Part A, Form 3, dangerous waste permit application documentation was stamped with "closed 10/26/95".

300 AREA SOLVENT EVAPORATOR

Permit Type: RCRA Treatment, Storage,
and/or Disposal Units
Undergoing Closure or Closed

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☐ Final ☐
Additional schedule information in Appendix A

Contractor: Fluor Hanford

Permit Number: WA7890008967

Issuance Date: 09/28/94

Expiration Date: 09/27/2004

Brief Summary of Relevant Information:

Part A, Form 3, dangerous waste permit application documentation for the 300 Area Solvent Evaporator originally was submitted to Ecology and the EPA in November 1985. Four revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted. The Part A permit application information for the 300 Area solvent Evaporator is provided in Section 4.3.1.4 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

The 300 Area Solvent Evaporator Closure Plan was submitted to Ecology and the EPA in February 1989. The 300 Area Solvent Evaporator Closure Plan was incorporated into the HF RCRA Permit (DW Portion) Chapter 2, Part V, in Revision 3B that became effective on September 28, 1994. Closure certification was submitted to Ecology on May 25, 1995. On June 27, 1995, Ecology approved the clean closure certification. The Part A, Form 3, dangerous waste permit application documentation was stamped with "closed 06/27/95".

300 AREA WASTE ACID TREATMENT SYSTEM

Permit Type: RCRA Treatment, Storage,
and/or Disposal Units
Undergoing Closure or Closed

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☐ Final ☐
Additional schedule information in Appendix A

Contractor: Fluor Hanford

Permit Number: WA7890008967

Issuance Date:

Expiration Date:

Brief Summary of Relevant Information:

Part A, Form 3, dangerous waste permit application documentation for the 300 Area Waste Acid Treatment System originally was submitted to Ecology and the EPA in September 1987. Four revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted. The Part A permit application information for the 300 Area Waste Acid Treatment System is provided in Section 4.3.1.5 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

Tri-Party Agreement Milestone M-20-10 was satisfied with the submittal of the 300 Area Waste Acid Treatment System Closure Plan to Ecology and the EPA in June 1990. Revision 2 of the 300 Area Waste Acid Treatment System closure plan was submitted to Ecology in May 1999 for inclusion into the HF RCRA Permit (DW Portion).

303-K STORAGE FACILITY

Permit Type: RCRA Treatment, Storage,
and/or Disposal Units
Undergoing Closure or Closed

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☐ Final ☐
Additional schedule information in Appendix A

Contractor: Fluor Hanford

Permit Number: WA7890008967

Issuance Date: 12/26/96

Expiration Date: 09/27/2004

Brief Summary of Relevant Information:

Part A, Form 3, dangerous waste permit application documentation for the 303-K Storage Facility originally was submitted to Ecology and the EPA in August 1987. Five revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted. The Part A permit application information for the 303-K Storage Facility is provided in Section 4.3.2.2 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

Tri-Party Agreement Milestone M-20-13 was satisfied with the submittal of the 303-K Storage Facility Closure Plan to Ecology and the EPA in April 1990. The 303-K Storage Facility was incorporated into Revision 3, Chapter 14, Part 5, of the HF RCRA Permit (DW Portion) in December 1996. Closure activities began in October 1997. A report was issued July 1998 summarizing closure activities (HNF-2959). An annual closure activities report for fiscal year 2000 is in preparation.

304 CONCRETION FACILITY

Permit Type: RCRA Treatment, Storage,
and/or Disposal Units
Undergoing Closure or Closed

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☐ Final ☐
Additional schedule information in Appendix A

Contractor: Fluor Hanford

Permit Number: WA7890008967

Issuance Date: 09/28/95

Expiration Date: 09/27/2004

Brief Summary of Relevant Information:

Part A, Form 3, dangerous waste permit application documentation for the 304 Concretion Facility originally was submitted to Ecology and the EPA in August 1986. Four revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted. The Part A permit application information for the 304 Concretion Facility is provided in Section 4.3.1.3 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

Tri-Party Agreement Milestone M-20-15 was satisfied with the submittal of the 304 Concretion Facility Closure Plan to Ecology and the EPA in April 1990. The 304 Concretion Facility Closure Plan was incorporated into Revision 2, Chapter 11, Part V, of the HF RCRA Permit (DW Portion) on September 28, 1995. Closure certification was submitted to Ecology on October 27, 1995. On November 30, 1995, Ecology approved the clean closure certification. The Part A, Form 3, dangerous waste permit application documentation was stamped with "closed 11/30/95".

2101-M POND

Permit Type: RCRA Treatment, Storage,
and/or Disposal Units
Undergoing Closure or Closed

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☐ Final ☐
Additional schedule information in Appendix A

Contractor: Fluor Hanford

Permit Number: WA7890008967

Issuance Date: 05/29/95

Expiration Date: 09/27/2004

Brief Summary of Relevant Information:

Part A, Form 3, dangerous waste permit application documentation for the 2101-M Pond originally was submitted to Ecology and the EPA in August 1986. Two revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted. The Part A permit application information for the 2101-M Pond is provided in Section 4.2.3.3 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

Tri-Party Agreement Milestone M-20-04 was satisfied with the submittal of the 2101-M Pond Closure Plan to Ecology and the EPA in September 1989. Revision 2 of the closure plan was submitted on June 30, 1993. The 2101-M Pond Closure Plan was incorporated into Revision 1, Chapter 7, Part V, of the HF RCRA Permit (DW Portion) on May 29, 1995. Closure certification was submitted to Ecology on September 22, 1995. On October 26, 1995, Ecology approved the clean closure certification. The Part A, Form 3, dangerous waste permit application documentation was stamped with "closed 10/26/95".

2727-S STORAGE FACILITY

Permit Type: RCRA Treatment, Storage,
and/or Disposal Units
Undergoing Closure or Closed

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☐ Final ☐
Additional schedule information in Appendix A

Contractor: Fluor Hanford

Permit Number: WA7890008967

Issuance Date: 09/28/94

Expiration Date: 09/27/2004

Brief Summary of Relevant Information:

Part A, Form 3, dangerous waste permit application documentation for the 2727-S Storage Facility originally was submitted to Ecology and the EPA in November 1985. Two revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted. The Part A permit application information for the 2727-S Storage Facility is provided in Section 4.2.2.1 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

The 2727-S Storage Facility Closure Plan originally was submitted to Ecology and the EPA in February 1989. Revision 3 of the 2727-S Storage Facility Closure Plan was incorporated into Revision 0 of the HF RCRA Permit (DW Portion), Chapter 3, Part V, on September 28, 1994. Closure certification was submitted to Ecology on May 25, 1995. On June 27, 1995, Ecology approved the clean closure certification. The Part A, Form 3, dangerous waste permit application documentation was stamped with "closed 06/27/95".

3718-F ALKALI METAL TREATMENT AND STORAGE FACILITY

Permit Type: RCRA Treatment, Storage,
and/or Disposal Units
Undergoing Closure or Closed

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☐ Final ☐
Additional schedule information in Appendix A

Contractor: Fluor Hanford

Permit Number: WA7890008967

Issuance Date: 12/26/96

Expiration Date: 09/27/2004

Brief Summary of Relevant Information:

Part A, Form 3, and Part B dangerous waste permit application documentation for the 3718-F Alkali Metal Treatment and Storage Facility originally was submitted to Ecology and the EPA in November 1985. Four revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted. The Part A permit application information for the 3718-F Alkali Metal Treatment and Storage Facility is provided in Section 4.3.1.1 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

Tri-Party Agreement Milestone M-20-18 was satisfied with the submittal of the 3718-F Alkali Metal Treatment and Storage Facility Closure Plan in December 1991. The 3718-F Alkali Metal Treatment and Storage Facility was incorporated into the HF RCRA Permit (DW Portion), Chapter 13, Part V, in December 1996. On August 4, 1998, Ecology approved the closure of the facility. The Part A, Form 3, dangerous waste permit application was stamped "closed 08/04/98".

4843 ALKALI METAL STORAGE FACILITY

Permit Type: RCRA Treatment, Storage,
and/or Disposal Units
Undergoing Closure or Closed

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☐ Final ☐
Additional schedule information in Appendix A

Contractor: Fluor Hanford

Permit Number: WA7890008967

Issuance Date: 12/26/96

Expiration Date: 09/27/2004

Brief Summary of Relevant Information:

Part A, Form 3, dangerous waste permit application documentation for the 4843 Alkali Metal Storage Facility originally was submitted to Ecology and the EPA in September 1987. Three revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted. The Part A permit application information for the 4843 Alkali Metal Storage Facility is provided in Section 4.4.2.1 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

The initial submittal of the 4843 Alkali Metal Storage Facility Closure Plan occurred in June 1991. The 4843 Alkali Metal Storage Facility was incorporated into the HF RCRA Permit (DW Portion), Chapter 12, Part V, on December 1996. On April 14, 1997, Ecology approved the clean closure certification. The Part A, Form 3, dangerous waste permit application documentation was stamped with "closed 04/14/97".

HANFORD PATROL ACADEMY DEMOLITION SITES

Permit Type: RCRA Treatment, Storage,
and/or Disposal Units
Undergoing Closure or Closed

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☐ Final ☐
Additional schedule information in Appendix A

Contractor: Fluor Hanford

Permit Number: WA7890008967

Issuance Date: 09/28/95

Expiration Date: 09/27/2004

Brief Summary of Relevant Information:

Part A, Form 3, and Part B dangerous waste permit application documentation for the Hanford Patrol Academy Demolition Sites originally was submitted to Ecology and the EPA in November 1985. Subsequently, a decision was made to close this TSD unit. Four revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted. The Part A permit application information for the Hanford Patrol Academy Demolition Sites is provided in Section 4.5.1.1 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

Tri-Party Agreement Milestone M-20-25 was satisfied with the submittal of the Hanford Patrol Academy Demolition Sites Closure Plan to Ecology and the EPA in November 1992. The Hanford Patrol Academy Demolition Sites Closure Plan was incorporated into Revision 2 of the HF RCRA Permit (DW Portion), Chapter 9, Part V, on September 28, 1995. Closure certification was submitted to Ecology on September 22, 1995. On October 26, 1995, Ecology approved the clean closure certification. The Part A, Form 3, dangerous waste permit application documentation was stamped with "closed 10/26/95".

SIMULATED HIGH-LEVEL WASTE SLURRY TREATMENT/STORAGE

Permit Type: RCRA Treatment, Storage,
and/or Disposal Units
Undergoing Closure or Closed

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☐ Final ☐
Additional schedule information in Appendix A

Contractor: Pacific Northwest National Laboratory

Permit Number: WA7890008967

Issuance Date: 05/29/95

Expiration Date: 09/27/2004

Brief Summary of Relevant Information:

Part A, Form 3, dangerous waste permit application documentation for the Simulated High-Level Waste Slurry Treatment/Storage originally was submitted to Ecology and the EPA in May 1988. Two revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted. The Part A permit application information for the Simulated High-Level Waste Slurry Treatment/Storage unit is provided in Section 4.6.1.1 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

Tri-Party Agreement Milestone M-20-19 was satisfied with the submittal of the Simulated High-Level Waste Slurry Treatment/Storage Closure Plan to Ecology and the EPA in September 1989. Revision 6 of the closure plan was submitted to Ecology and the EPA on July 29, 1994. The Simulated High-Level Waste Slurry Treatment/Storage Closure Plan was incorporated into Revision 1 of the HF RCRA Permit (DW Portion), Chapter 4, Part V, on May 29, 1995. Closure certification was submitted to Ecology on August 27, 1995. On September 6, 1995, Ecology approved the clean closure certification. The Part A, Form 3, dangerous waste permit application documentation was stamped with "closed 09/06/95".

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6.0 RESOURCE CONSERVATION AND RECOVERY ACT PLANNED CLOSURES

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207-A SOUTH RETENTION BASIN

Permit Type: RCRA Planned Closure

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☐ Final ☐

Contractor: Bechtel Hanford, Inc.

Permit Number: WA7890008967

Issuance Date:

Expiration Date:

Brief Summary of Relevant Information:

Part A, Form 3, dangerous waste permit application documentation for the 207-A South Retention Basin originally was submitted to Ecology and the EPA in February 1990. Revision 2 of the Part A, Form 3, dangerous waste permit application documentation was submitted in October 1996. The Part A permit application information for the unit is provided in Section 4.2.2.9 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

A Tri-Party Agreement change request was approved (M-20-97-01) to coordinate the 207-A South Retention Basin closure plan with the past-practice documentation for the 200 Area Plateau. Closure of this unit will be coordinated through the M-13-24 milestone.

216-A-10 CRIB

Permit Type: RCRA Planned Closure

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☐ Final ☐

Contractor: Bechtel Hanford, Inc.

Permit Number: WA7890008967

Issuance Date:

Expiration Date:

Brief Summary of Relevant Information:

Part A, Form 3, dangerous waste permit application documentation for the 216-A-10 Crib originally was submitted to Ecology and the EPA in August 1987. Three revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted. The Part A permit application information for the 216-A-10 Crib is provided in Section 4.2.3.7 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

Tri-Party Agreement Milestone M-20-33 requires submittal of the 216-A-10 Crib Closure and Postclosure Plan to Ecology, coordinated with the work plan for the Uranium Rich Process Waste Group.

A schedule for preparing and submitting the closure plan for the 216-A-10 Crib has not been defined.

216-A-29 DITCH

Permit Type: RCRA Planned Closure

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☐ Final ☐

Contractor: Bechtel Hanford, Inc.

Additional schedule information in Appendix A

Permit Number: WA7890008967

Issuance Date:

Expiration Date:

Brief Summary of Relevant Information:

Part A, Form 3, dangerous waste permit application documentation for the 216-A-29 Ditch originally was submitted to Ecology and the EPA in August 1986. Three revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted. The Part A permit application information for the 216-A-29 Ditch is provided in Section 4.2.3.4 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

The 216-A-29 Ditch Closure Plan originally was submitted to Ecology and the EPA in February 1988. Tri-Party Agreement Milestone M-20-36 was satisfied on April 3, 1995, with the submittal to Ecology and the EPA of the 216-A-29 Ditch Closure and Postclosure Plan coordinated with the past-practice documentation for the 200-CS-1 Operable Unit. The 216-A-29 Ditch is scheduled to be incorporated in the HF RCRA Permit (DW Portion) in calendar year 2003 (refer to Attachment A).

216-A-36B CRIB

Permit Type: RCRA Planned Closure

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☐ Final ☐

Contractor: Bechtel Hanford, Inc.

Permit Number: WA7890008967

Issuance Date:

Expiration Date:

Brief Summary of Relevant Information:

Part A, Form 3, dangerous waste permit application documentation for the 216-A-36B Crib originally was submitted to Ecology and the EPA in February 1988. One revision of the Part A, Form 3, dangerous waste permit application documentation has been submitted. The Part A permit application information for the 216-A-36 Crib is provided in Section 4.2.3.9 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

The 216-A-36B Crib Closure Plan originally was submitted to Ecology and the EPA in February 1988. Tri-Party Agreement Milestone M-20-33 required submittal of an updated closure and postclosure plan to Ecology, coordinated with the work plan for the Uranium Rich Process Waste Group. A schedule for submitting the closure and postclosure plan has not been defined.

216-A-37-1 CRIB

Permit Type: RCRA Planned Closure

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☐ Final ☐

Contractor: Bechtel Hanford, Inc.

Permit Number: WA7890008967

Issuance Date:

Expiration Date:

Brief Summary of Relevant Information:

Part A, Form 3, dangerous waste permit application documentation for the 216-A-37-1 Crib originally was submitted to Ecology and the EPA in February 1990. Two revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted. The Part A permit application information for the 216-A-37-1 Crib is provided in Section 4.2.3.10 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

Tri-Party Agreement Milestone M-20-52 was established to coordinate the 216-A-37-1 Crib Closure and Postclosure Plan with the work plan for the General Process Waste Group. It is anticipated that this documentation will be included in the HF RCRA Permit (DW Portion) in calendar year 2005. However, a schedule for submitting the closure and postclosure plan has not been defined.

216-B-3 MAIN POND AND 216-B-3-3 DITCH

Permit Type: RCRA Planned Closure

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☐ Final ☐

Contractor: Bechtel Hanford, Inc.

Additional schedule information in Appendix A

Permit Number: WA7890008967

Issuance Date:

Expiration Date:

Brief Summary of Relevant Information:

Originally the 216-B-3 Expansion Ponds were included with the 216-B-3 Pond Main Lobe, in a single Part A, Form 3, dangerous waste permit application documentation. In December 1993, the 216-B-3 Pond System Part A, Form 3, was separated into two Part A, Form 3s: one for the 216-B-3 Expansion Ponds and one for the 216-B-3 Main Pond and 216-B-3-3 Ditch. Six revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted. The Part A permit application information for the 216-B-3 Main Pond and 216-B-3-3 Ditch is provided in Section 4.2.3.5 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

Tri-Party Agreement Milestone M-13-07 directed the closure of the 216-B-3 Main Pond and 216-B-3-3 Ditch be coordinated with RCRA past-practice activities at the 200-BP-11 Operable Unit. The coordinated work and submittal of the closure plan were completed September 30, 1994. To address the recently increased scope of the 200-CW-1 Operable Unit, draft B of the document was submitted to Ecology and the EPA in April 1995 to meet Milestone M-20-36. The 216-B-3 Main Pond and 216-B-3-3 Ditch closure documentation is scheduled to be incorporated into the HF RCRA Permit (DW Portion) in calendar year 2003 (refer to Appendix A).

216-B-63 TRENCH

Permit Type: RCRA Planned Closure

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☐ Final ☐

Contractor: Bechtel Hanford, Inc.

Additional schedule information in Appendix A

Permit Number: WA7890008967

Issuance Date:

Expiration Date:

Brief Summary of Relevant Information:

Part A, Form 3, dangerous waste permit application documentation for the 216-B-63 Trench originally was submitted to Ecology and the EPA in August 1986. Four revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted. The Part A permit application information for the 216-B-63 Trench is provided in Section 4.2.3.6 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

The 216-B-63 Trench Closure Plan was submitted to Ecology and the EPA in April 1987. A Tri-Party Agreement change request was approved to coordinate the closure plan with the past-practice documentation for the 200-BP-11 Operable Unit. In March 1995, Draft B of the Work Plan for the 200-BP-11 Operable Unit was issued and incorporated the 216-B-63 Trench. This work plan integrates the TSD activities with the 200-BP-11 Operable Unit documentation and characterization. The 216-B-63 Trench is scheduled to be incorporated into the HF RCRA Permit (DW Portion) in calendar year 2003 (refer to Appendix A).

216-S-10 POND AND DITCH

Permit Type: RCRA Planned Closure

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☐ Final ☐

Contractor: Bechtel Hanford, Inc.

Additional schedule information in Appendix A

Permit Number: WA7890008967

Issuance Date:

Expiration Date:

Brief Summary of Relevant Information:

Part A, Form 3, dangerous waste permit application documentation for the 216-S-10 Pond and Ditch originally was submitted to Ecology and the EPA in February 1987. Three revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted. The Part A permit application information for the 216-S-10 Pond and Ditch is provided in Section 4.2.3.2 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

The 216-S-10 Pond and Ditch Closure Plan was submitted to Ecology and the EPA in June 1987. Tri-Party Agreement Milestone M-20-39 requires submittal of an updated closure plan to Ecology in calendar year 2003 (refer to Appendix A).

216-U-12 CRIB

Permit Type: RCRA Planned Closure

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☐ Final ☐

Contractor: Bechtel Hanford, Inc.

Permit Number: WA7890008967

Issuance Date:

Expiration Date:

Brief Summary of Relevant Information:

Part A, Form 3, dangerous waste permit application documentation for the 216-U-12 Crib originally was submitted to Ecology and the EPA in August 1987. Three revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted. The Part A permit application information for the 216-U-12 Crib is provided in Section 4.2.3.8 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

Tri-Party Agreement Milestone M-20-37 was satisfied on June 27, 1995, with the submittal to Ecology and the EPA of the 216-U-12 Crib Closure and Postclosure Plan coordinated with the past-practice documentation for the 200-UP-2 Operable Unit. Currently, no date has been set for incorporation of the 216-U-12 Crib closure and postclosure into the HF RCRA Permit (DW Portion) in calendar year 2005.

224-T TRANSURANIC WASTE STORAGE AND ASSAY FACILITY

Permit Type: RCRA Planned Closure

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☐ Final ☐

Contractor: Fluor Hanford

Permit Number: WA7890008967

Issuance Date:

Expiration Date:

Brief Summary of Relevant Information:

Part A, Form 3, dangerous waste permit application documentation for the 224-T Transuranic Waste Storage and Assay Facility (224-T TRUSAF) originally was submitted to Ecology and the EPA in November 1987. The Part A permit application information for the 224-T TRUSAF is provided in Section 4.2.2.6 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

Tri-Party Agreement Milestone M-20-23 was satisfied with the submittal of the Part B dangerous waste permit application documentation to Ecology and the EPA in June 1992. A request was made during the quarter ending March 31, 1997, for a Class I Modification to the HF RCRA Permit. This request changed the submittal of 224-T TRUSAF Part B dangerous waste permit application documentation to submittal of a 224-T TRUSAF Closure Plan.

A draft closure plan was submitted during June 1999; however, agreement could not be reached about the required actions to close the facility. A memorandum of agreement was signed to manage the facility under Section B of the Tri-Party Agreement and established TPA milestones. A date has not been identified for developing those milestones.

241-CX TANK SYSTEM

Permit Type: RCRA Planned Closure

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☐ Final ☐

Contractor: Bechtel Hanford, Inc.

Permit Number: WA7890008967

Issuance Date:

Expiration Date:

Brief Summary of Relevant Information:

Part A, Form 3, dangerous waste permit application documentation for the 241-CX Tank System originally was submitted to Ecology and the EPA in July 1990. Three revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted. The Part A permit application information for the 241-CX Tank System is provided in Section 4.2.2.11 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

Tri-Party Agreement Milestone M-20-54 was established to coordinate the submittal of the closure/postclosure plan to Ecology with the work plan for the 200-IS-1 Operable Unit. A schedule has not been set for submittal of this documentation.

241-Z TREATMENT AND STORAGE TANKS

Permit Type: RCRA Planned Closure

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☐ Final ☐

Contractor: Fluor Hanford

Permit Number: WA7890008967

Issuance Date:

Expiration Date:

Brief Summary of Relevant Information:

Part A, Form 3, dangerous waste permit application documentation for the 241-Z Treatment and Storage Tanks originally was submitted to Ecology and the EPA in November 1987. The Part A permit application information for the 241-Z Treatment and Storage Tanks is provided in Section 4.2.1.7 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

Tri-Party Agreement Milestone M-20-48 originally required submittal of the Part B dangerous waste permit application documentation for the 241-Z Treatment and Storage Tanks to Ecology by May 31, 1996. Renegotiated Milestone M-20-48A replaced Milestone M-20-48 and a closure plan was submitted to Ecology on December 27, 1996. A schedule for including this closure plan in the HF RCRA Permit has not been defined.

303-M OXIDE FACILITY

Permit Type: RCRA Planned Closure

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☐ Final ☐

Contractor: Fluor Hanford

Permit Number: WA7890008967

Issuance Date:

Expiration Date:

Brief Summary of Relevant Information:

Part A, Form 3, dangerous waste permit application documentation for the 303-M Oxide Facility originally was submitted to Ecology and the EPA in May 1988. One revision of the Part A, Form 3, dangerous waste permit application documentation has been submitted. The Part A permit application information for the 303-M Oxide Facility is provided in Section 4.3.1.6 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

Tri-Party Agreement Milestone M-20-30 required submittal of the Part B dangerous waste permit application documentation to Ecology and the EPA by October 1992. A Tri-Party Agreement Change Request (M-20-92-05) was submitted to Ecology and the EPA to delete the existing milestone for submittal of the Part B dangerous waste permit application documentation. The Tri-Party Agreement Change Request was approved on December 15, 1993 and this unit will be integrated with the 300-FF-2 Operable Unit Work Plan.

616 NONRADIOACTIVE DANGEROUS WASTE STORAGE FACILITY

Permit Type: RCRA Planned Closure

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☐ Final ☐

Contractor: Fluor Hanford

Additional schedule information in Appendix A

Permit Number: WA7890008967

Issuance Date: 09/28/94

Expiration Date: 09/27/2004

Brief Summary of Relevant Information:

Part A, Form 3, and Part B dangerous waste permit application documentation for the 616 Nonradioactive Dangerous Waste Storage Facility originally were submitted to Ecology and the EPA in November 1985. The Part A permit application information for the 616 Nonradioactive Dangerous Waste Storage Facility is provided in Section 4.5.2.1 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

Tri-Party Agreement Milestone M-20-02 was satisfied with the submittal of the Part B dangerous waste permit application documentation to Ecology and the EPA in July 1989. Revision 2 of the 616 Nonradioactive Dangerous Waste Storage Facility Part B dangerous waste permit application documentation was incorporated into Revision 0 of the HF RCRA Permit (DW Portion) that became effective on September 28, 1994. Several Class 1 modifications have been submitted quarterly and one Class 3 modification was submitted following incorporation. A revised closure plan (Chapter 11.0, Revision 2A) was submitted to Ecology as part of the Class 3 Modification E for the HF RCRA Permit. At the time this document was prepared, the closure plan had not been incorporated into the HF RCRA Permit (DW Portion).

1301-N LIQUID WASTE DISPOSAL FACILITY

Permit Type: RCRA Planned Closure

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☐ Final ☐

Contractor: Bechtel Hanford, Inc.

Additional schedule information in Appendix A

Permit Number: WA7890008967

Issuance Date: 06/17/99

Expiration Date: 09/27/2004

Brief Summary of Relevant Information:

Part A, Form 3, dangerous waste permit application documentation for the 1301-N Liquid Waste Disposal Facility originally was submitted to Ecology and the EPA in August 1986; documentation for the 1325-N Liquid Waste Disposal Facility originally was submitted in February 1987. Seven revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted. The Part A permit application information for the 1301-N Liquid Waste Disposal Facility is provided in Section 4.1.2.1 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

Tri-Party Agreement Milestone M-20-31 required the submittal of an updated 1301-N and 1325-N Liquid Waste Disposal Facility Closure and Postclosure Plan. The 1301-N Liquid Waste Disposal Facility closure plan was incorporated into the HF RCRA Permit (DW Portion), Revision 5, Chapter 17, Part V.

Closure activities are scheduled to begin in October 2001, or after closure of the 1325-N Liquid Waste Disposal Facility. The closure actions for this unit were incorporated into the 100-N Area TSD record of decision.

1324-N SURFACE IMPOUNDMENT

Permit Type: RCRA Planned Closure

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☐ Final ☐

Contractor: Bechtel Hanford, Inc.

Additional schedule information in Appendix A

Permit Number: WA7890008967

Issuance Date:

Expiration Date:

Brief Summary of Relevant Information:

Part A, Form 3, dangerous waste permit application documentation for the 1324-N Surface Impoundment originally was submitted to Ecology and the EPA in August 1986. Three revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted. The Part A permit application information for the 1324-N Surface Impoundment is provided in Section 4.1.1.1 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

The closure plan was published as an attachment to the corrective measures study for the 100-N Area TSD units, which was issued in February 1998 as Revision 0. The 1324-N Surface Impoundment was incorporated into the HF RCRA Permit (DW Portion), Revision 5, Chapter 18, Part V. Closure activities are scheduled to begin in July 2001. The closure actions for this unit were incorporated into the 100-N Area TSD record of decision.

1324-NA PERCOLATION POND

Permit Type: RCRA Planned Closure

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☐ Final ☐

Contractor: Bechtel Hanford, Inc.

Additional schedule information in Appendix A

Permit Number: WA7890008967

Issuance Date:

Expiration Date:

Brief Summary of Relevant Information:

Part A, Form 3, dangerous waste permit application documentation for the 1324-NA Percolation Pond originally was submitted to Ecology and the EPA in August 1986. Three revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted. The Part A permit application information for the 1324-NA Percolation Pond is provided in Section 4.1.2.3 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

The 1324-NA Percolation Pond Closure Plan originally was submitted to Ecology and the EPA in April 1987. The closure plan was published as an attachment to the corrective measures study for the 100-N Area TSD units, which was issued in February 1998 as Revision 0. The 1324-NA Percolation Pond was incorporated into the HF RCRA Permit (DW Portion), Revision 5, Chapter 19, Part V. Closure activities are scheduled to begin in July 2001. The closure actions for this unit were incorporated into the 100-N Area TSD record of decision.

1325-N LIQUID WASTE DISPOSAL FACILITY

Permit Type: RCRA Planned Closure

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☐ Final ☐

Contractor: Bechtel Hanford, Inc.

Additional schedule information in Appendix A

Permit Number: WA7890008967

Issuance Date: 06/17/99

Expiration Date: 09/27/2004

Brief Summary of Relevant Information:

Part A, Form 3, dangerous waste permit application documentation for the 1301-N Liquid Waste Disposal Facility originally was submitted to Ecology and the EPA in August 1986; documentation for the 1325-N Liquid Waste Disposal Facility originally was submitted in February 1987. Seven revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted. The Part A permit application information for the 1325-N Liquid Waste Disposal Facility is provided in Section 4.1.2.2 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

Tri-Party Agreement Milestone M-20-31 required the submittal of an updated 1301-N and 1325-N Liquid Waste Disposal Facility Closure and Postclosure Plan to Ecology and the EPA. The 1325-N Liquid Waste Disposal Facility closure plan was incorporated into the HF RCRA Permit (DW Portion), Revision 5, Chapter 16, Part V.

The 1324-N Liquid Waste Disposal Facility is undergoing closure. Closure began on July 21, 2000. The closure actions for this unit were incorporated into the 100-N Area TSD record of decision.

HEXONE STORAGE AND TREATMENT FACILITY

Permit Type: RCRA Planned Closure

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☐ Final ☐

Contractor: Bechtel Hanford, Inc.

Additional schedule information in Appendix A

Permit Number: WA7890008967

Issuance Date:

Expiration Date:

Brief Summary of Relevant Information:

Part A, Form 3, dangerous waste permit application documentation for the Hexone Storage and Treatment Facility originally was submitted to Ecology and the EPA in December 1987. Three revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted. The Part A permit application information for the hexone Storage and Treatment Facility is provided in Section 4.2.2.3 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

Tri-Party Agreement Milestone M-20-27 was satisfied with the submittal of the Hexone Storage and Treatment Facility Closure Plan to Ecology and the EPA in November 1992. The revised Hexone Storage and Treatment Facility closure plan is scheduled to be submitted in calendar year 2002 (refer to Appendix A).

NONRADIOACTIVE DANGEROUS WASTE LANDFILL

Permit Type: RCRA Planned Closure

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☐ Final ☐

Contractor: Bechtel Hanford, Inc.

Permit Number: WA7890008967

Issuance Date:

Expiration Date:

Brief Summary of Relevant Information:

Part A, Form 3, and Part B dangerous waste permit application documentation for the Nonradioactive Dangerous Waste Landfill originally were submitted to Ecology and the EPA in November 1985. Subsequently, a decision was made to close this TSD unit. Four revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted. The Part A permit application information for the Nonradioactive Dangerous Waste Landfill is provided in Section 4.5.3.1 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

Tri-Party Agreement Milestone M-20-07 was satisfied with the submittal of the Nonradioactive Dangerous Waste Landfill Closure and Postclosure Plan to Ecology and the EPA in August 1990. Ecology requested that the DOE-RL evaluate clean closure. All information requested on clean closure was reviewed by the regulatory agencies. Ecology issued partial Notice of Deficiency comments in January 1994 indicating that characterization data were needed to determine potential impacts to groundwater. A Notice of Deficiency response table was prepared to address the January 1994 comments. In April 1997, Ecology issued supplemental Notice of Deficiency comments. In June of 1997 an agreement was reached that additional characterization should take precedent over resolving the comments. A soil gas study was conducted in August and September of 1997. Ecology further requested that a detailed soil and groundwater survey be completed in 1999. Funding was not provided for this survey. Monitoring of the unit continues. The schedule for closure is pending.

7.0 RESOURCE CONSERVATION AND RECOVERY ACT POSTCLOSURE PLANS

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183-H SOLAR EVAPORATION BASINS

Permit Type: RCRA Postclosure Plans

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☐ Final ☐

Contractor: Bechtel Hanford, Inc.

Additional schedule information in Appendix A

Permit Number: WA7890008967

Issuance Date: 09/28/94

Expiration Date: 09/27/2004

Brief Summary of Relevant Information:

Part A, Form 3, dangerous waste permit application documentation for the 183-H Solar Evaporation Basins originally was submitted to Ecology and the EPA in November 1985. Four revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted. The Part A permit application information for the 183-H Solar Evaporation Basins is provided in Section 4.1.1.4 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

The 183-H Solar Evaporation Basins Closure Plan was submitted to Ecology and the EPA in June 1988. Revision 2 of the 183-H Solar Evaporation Basins Closure Plan was incorporated into the HF RCRA Permit (DW Portion) on September 28, 1994. This unit was certified as closed on July 26, 1996. Postclosure care is required under a modified closure option. A postclosure plan was incorporated in the HF RCRA Permit, Chapter 2, Part VI.

300 AREA PROCESS TRENCHES

Permit Type: RCRA Postclosure Plans

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☐ Final ☐

Contractor: Bechtel Hanford, Inc.

Additional schedule information in Appendix A

Permit Number: WA7890008967

Issuance Date: 12/26/96

Expiration Date: 09/27/2004

Brief Summary of Relevant Information:

Part A, Form 3, dangerous waste permit application documentation for the 300 Area Process Trenches originally was submitted to Ecology and the EPA in November 1985. Four revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted. The Part A permit application information for the 300 Area Process Trenches is provided in Section 4.3.3.1 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

Tri-Party Agreement Milestone M-20-32 was satisfied on August 15, 1994, with the submittal to Ecology and the EPA of an updated closure and postclosure plan. The 300 Area Process Trenches were incorporated into Revision 3 of the HF RCRA Permit (DW Portion) as a modified closure effective in December 1996. The conditions and requirements are contained in Part VI, Chapter 1 of the HF RCRA Permit (DW Portion). Certification of closure occurred in May 1998. The unit is undergoing postclosure care.

8.0 PRECLOSURE AND CLOSURE WORK PLANS

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B PLANT COMPLEX

Permit Type: Preclosure and Closure Work
Plans

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☐ Final ☐

Contractor: Fluor Hanford

Permit Number: WA7890008967

Issuance Date:

Expiration Date:

Brief Summary of Relevant Information:

Part A, Form 3, dangerous waste permit application documentation for the B Plant Complex originally was submitted to Ecology and the EPA in November 1987. Six revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted. The Part A permit application information for the B Plant complex is provided in Section 4.2.1.8 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

B Plant Complex has been deactivated and will not require Part B dangerous waste permit application documentation. As part of the transition phase of decommissioning, Tri-Party Agreement Milestone M-20-21A was satisfied with a preclosure work plan (DOE/RL-98-12) submitted to Ecology in March of 1998. Permitting documentation for the B Plant Complex will be handled in accordance with Section 8.0 of the Tri-Party Agreement.

PUREX PLANT

Permit Type: Preclosure and Closure Work
Plans

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☐ Final ☐

Contractor: Bechtel Hanford, Inc.

Permit Number: WA7890008967

Issuance Date:

Expiration Date:

Brief Summary of Relevant Information:

Part A, Form 3, dangerous waste permit application documentation for the PUREX Plant originally was submitted to Ecology and the EPA in November 1987. Eight revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted. The Part A permit application information for the PUREX Plant is provided in Section 4.2.1.11 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

Tri-Party Agreement Milestone M-20-24 required submittal of the Part B dangerous waste permit application documentation to Ecology and the EPA by September 1992. In December 1992, DOE-Headquarters determined that the PUREX Plant would no longer operate and directed the PUREX Facility to deactivate. Tri-Party Agreement Change Request M-80-94-01 was approved to support the PUREX Facility decommissioning and closure process. Tri-Party Agreement Milestone M-80-02 was fulfilled with the submittal of the following documentation: (1) PUREX Facility Preclosure Work Plan, July 12, 1996 (DOE/RL-95-78); (2) PUREX Facility Surveillance and Maintenance Plan, May 16, 1996 (DOE/RL-98-35); and (3) PUREX Facility End Point Criteria, June 21, 1995 (WHC-FB-WM-TPP-053). Submittal of the PUREX Facility Preclosure Work Plan fulfilled Tri-Party Agreement Milestone M-20-24A. On May 8, 1997, Ecology approved the PUREX Facility Preclosure Work Plan. Permitting documentation for the PUREX Plant will be handled in accordance with Section 8.0 of the Tri-Party Agreement.

SINGLE-SHELL TANK SYSTEM

Permit Type: Preclosure and Closure Work
Plans

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☐ Final ☐

Contractor: CH2M HILL Hanford Group

Permit Number: WA7890008967

Issuance Date:

Expiration Date:

Brief Summary of Relevant Information:

Part A, Form 3, dangerous waste permit application documentation for the Single-Shell Tank System originally was submitted to Ecology and the EPA in February 1988. Six revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted. The Part A permit application information for the Single-Shell Tank System is provided in Section 4.2.2.8 of the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21).

Tri-Party Agreement Milestone M-20-03 was satisfied with the submittal of the Single-Shell Tank System Closure Work Plan to Ecology and the EPA in September 1989. A revised closure work plan was provided to Ecology on June 13, 1995, in accordance with Tri-Party Agreement Milestone M-45-06. Ecology provided Notice of Deficiency comments on March 6, 1996. The Notice of Deficiency comments were resolved in April 1996. Revision 1 of the closure work plan was submitted to Ecology in May 1996.

As a result of groundwater contamination detected beneath four of the Single-Shell Tank waste management areas, a Tri-Party Agreement Change Request for M-45-98-03 was approved. The approval requires implementation of near-term interim measures (replacement of well caps, etc.) and preparation of a work plan in accordance with Chapter 7 of the Tri-Party Agreement, to address the need for additional characterization and potential corrective actions.

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9.0 RESOURCE CONSERVATION AND RECOVERY ACT DELISTING PETITION

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200 AREA EFFLUENT TREATMENT FACILITY

Permit Type: RCRA Delisting Petition

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☐ Final ☐

Contractor: Fluor Hanford

Permit Number: N/A

Issuance Date: 06/13/95 and
12/07/95

Expiration Date: N/A

Brief Summary of Relevant Information:

The 200 Area Effluent Treatment Facility Delisting Petition originally was submitted to the EPA in October 1992, with supporting documentation submitted in August 1993. Submittal of this delisting petition and a State Waste Discharge permit application in August of 1993 satisfied Consent Order DE 91NM-177 requirements for discharge of liquid effluent from the 200 Area Effluent Treatment Facility to the soil column.

The delisting petition was prepared to exempt the treated effluent from the 200 Area Effluent Treatment Facility from Subtitle C of RCRA. The delisting conditions included verification testing and monitoring requirements. Delisting enables disposal of the treated effluent to a State Approved Land Disposal Site. The EPA gave notice of their approval of the delisting petition in the Federal Register dated June 13, 1995. The delisting petition appears in 40 CFR 261, Appendix IX, Table 2. Ecology provided approval via letter on December 7, 1995. This initial petition covered F001-F005 waste and F039 waste derived from only F001-F005 waste.

Two modifications to the delisting petition have been submitted to Ecology (as lead regulatory agency) on August 5, 1998, and November 30, 1998. These modifications proposed to increase the annual effluent volume limit from 19 million gallons per year to 56 million gallons per year and include waste constituents associated with multi-source leachate generated from other than F001-F005 waste. Ecology/EPA has not issued approval.

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10.0 SOLID WASTE HANDLING

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SOLID WASTE LANDFILL

Permit Type: Solid Waste Handling
WAC 173-304

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Interim ☐ Final ☐

Contractor: Fluor Hanford

Permit Number: N/A

Issuance Date: N/A

Expiration Date: N/A

Brief Summary of Relevant Information:

The Solid Waste Handling Permit would have allowed disposal of nonhazardous, nonradioactive waste in the Solid Waste Landfill, located in the 600 Area, north of the Wye Barricade. The application was submitted to Ecology in November 1993. Ecology denied the application for a Solid Waste Handling Permit to operate the Solid Waste Landfill on March 14, 1995, because groundwater contamination had been detected in the underlying aquifer.

Ecology agreed that DOE-RL could continue interim operation of the landfill in the absence of a permit if a target shutdown date for the Solid Waste landfill was submitted and approved by Ecology. A target shutdown date of March 31, 1996 was submitted to Ecology and approved. The Solid Waste Landfill ceased operations on March 31, 1996. An interim closure plan was prepared and submitted to Ecology on July 9, 1996. As of July 31, 2000, groundwater, soil gas, and leachate monitoring continues and results from the monitoring are reported quarterly. Closing of this unit will be coordinated with closing of the Nonradioactive Dangerous Waste Landfill (refer to page 6-16).

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11.0 CLEAN AIR ACT

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HANFORD SITE (TITLE V OPERATING PERMIT)

Permit Type: Type V Operating Permit -
40 CFR 70

Permitting Agency: Washington State Department of Ecology
Washington State Department of Health
U.S. Environmental Protection Agency,
Region 10

Existing ☐ New ☐

DOE Office: Richland Operations Office

Contractor: Fluor Hanford

Permit Number: NWP-AOP-99-1 (Draft)

Issuance Date: TBD

Expiration Date: TBD

Brief Summary of Relevant Information:

The permit will list regulated pollutants emitted, identify and describe emission points (except insignificant emission units), provide emission rates, and describe fuels and other inputs or factors relating to emissions and emission control equipment. Radioactive and nonradioactive sources will be included. The permit application was submitted to Ecology and to the WDOH on May 25, 1995. Amendments to the permit application maintain the application current. The permit is scheduled to be issued by Ecology the first quarter of calendar year 2001.

HANFORD SITE (RADIOACTIVE AIR EMISSIONS PROGRAM)

Permit Type: Radioactive Air Emissions
Program, Radioactive Source
Registration -
WAC 173-246-247

Permitting Agency: Washington State
Department of Health

Existing ☒ Renewal ☐

DOE Office: Richland Operations Office

Contractor: Fluor Hanford

Permit Number: FF-01

Issuance Date: 08/15/93

Expiration Date: 08/15/97, or when replaced by air operating permit

Brief Summary of Relevant Information:

This permit governs the operations of the emission sources in the 100, 200, 300, 400, and 600 Areas of the Hanford Site related to fuel reprocessing; radioactive waste handling; and disposal, research, development, and other nuclear operations having the potential to emit airborne radioactivity in excess or equal to 10 percent of the derived concentration guideline values. The major permit conditions include discharge points, efficiency values for control devices, effluent limitations daily and yearly, and continuous monitoring requirements.

**USE OF THE GUZZLER VACUUM EXCAVATION SYSTEM FOR
RADIOLOGICALLY LIMITED ACTIVITIES ON THE HANFORD SITE**

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☒ New ☐

DOE Office: Richland Operations Office

Approval: Letter

Contractor: Fluor Hanford

Issuance Date: 03/11/99

Brief Summary of Relevant Information:

Approval of this application allows for the use (limited activities) of the Guzzler vacuum system for excavating in radiological contaminated areas.

**USE OF THE GUZZLER VACUUM EXCAVATION SYSTEM FOR
RADIOLOGICALLY LIMITED ACTIVITIES ON THE HANFORD SITE**

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: AIR 98-1215

Contractor: Fluor Hanford

Issuance Date: 12/18/98

Brief Summary of Relevant Information:

Approval of this NOC allows for the use (limited activities) of the Guzzler vacuum system for excavating in radiological contaminated areas.

HIGH-EFFICIENCY PARTICULATE AIR FILTERED VACUUM UNITS

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☒ New ☐

DOE Office: Richland Operations Office

Approval: Letter

Contractor: Fluor Hanford

Issuance Date: 01/08/98

Brief Summary of Relevant Information:

Approval of this application allows for the operation of High-Efficiency Particulate Air (HEPA) Filtered Vacuum Units on the Hanford Site.

HEPA FILTERED VACUUM RADIOACTIVE AIR EMISSION UNITS, REVISION 1

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☐ New ☒

DOE Office: Richland Operations Office

Permit Number: AIR 99-1103

Contractor: Fluor Hanford

Issuance Date: 11/04/99

Brief Summary of Relevant Information:

This is a categorical approval for HEPA vacuums. This approval allows construction and operation of the HEPA filtered vacuums without prior project specific approval.

CLARIFICATION FOR HVU NOC APPROVAL CONDITIONS (AIR 99-1103)

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☐ New ☒

DOE Office: Richland Operations Office

Permit Number: Routine Technical
Assistance Meeting

Contractor: Fluor Hanford

Issuance Date: 02/15/2000

Brief Summary of Relevant Information:

Clarification for HVU NOC Approval Conditions (AIR 99-1103), HEPA Filtered Vacuum Radioactive Air Emission Units, Revision 1. Conditions 7, 18, 19 and 21 of AIR 99-1103 either clarified or replaced.

HEPA VACUUMS DEDICATED FOR USE IN ROUTINE CLEANUP

Permit Type: Radioactive Air Emissions
Program Notice of Construction
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: ERC Team Meeting
Minutes, CCN 053924

Contractor: Bechtel Hanford, Inc.

Issuance Date: 10/24/97

Brief Summary of Relevant Information:

WDOH concurred that use of these handheld/shopvac type of HEPA filtered vacuum cleaners for routine cleanup did not require notification.

PORTABLE/TEMPORARY RADIOACTIVE AIRBORNE EMISSIONS UNITS

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☒ New ☐

DOE Office: Richland Operations Office

Approval: Letter

Contractor: Fluor Hanford

Issuance Date: 01/21/94

Brief Summary of Relevant Information:

Request to use three types of PTRAEUs for expedited response actions & field situations requiring expedited responses.

PORTABLE/TEMPORARY RADIONUCLIDE AIRBORNE EMISSIONS UNITS, REV. 2

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☐ New ☒

DOE Office: Richland Operations Office

Permit Number: AIR 99-1102

Contractor: Fluor Hanford

Issuance Date: 11/04/99

Brief Summary of Relevant Information:

This is a categorical approval for three types of portable/temporary radionuclide airborne emissions units (PTRAEUs). The three types are portable ventilation-filter systems (Type I), mobile sample preparation facilities (Type II), and mobile sample screening and analysis facilities (Type III). This approval allows construction and operation of the three types of PTRAEUs without prior project specific approval.

**CLARIFICATION FOR PORTABLE/TEMPORARY RADIONUCLIDE AIRBORNE
EMISSIONS UNITS NOC APPROVAL CONDITIONS (AIR 99-1102)**

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☐ New ☒

DOE Office: Richland Operations Office

Permit Number: Routine Technical
Assistance Meeting

Contractor: Fluor Hanford

Issuance Date: 02/15/2000

Brief Summary of Relevant Information:

Clarification for PTRAEU NOC Approval Conditions (AIR 99-1102). Clarified condition #22 of AIR 99-1102.

SITEWIDE VENTED CONTAINER STORAGE

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: NOC

Contractor: Fluor Hanford

Issuance Date: 09/19/96

Brief Summary of Relevant Information:

As low as reasonably achievable control technology (ALARACT), best available radionuclide control technology (BARCT), and NOC for Hanford Site Vented Containers, allowing storage of vented containers on the Hanford Site.

1724K BUILDING MAINTENANCE SHOP

Permit Type: Nonradioactive Air Emissions
Program NOC
WAC 173-400, WAC 173-460

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: 97NM-551

Contractor: Fluor Hanford

Issuance Date: 01/29/98

Brief Summary of Relevant Information:

Approval of this NOC allow for construction of a maintenance shop (Building 1724-K). Maintenance activities at the new facility will include painting, sand blasting, operation of powered saws and sanders, welding and grinding, and soldering and brazing.

COLD VACUUM DRYING

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☒ New ☐

DOE Office: Richland Operations Office

Approval: Letter

Contractor: Fluor Hanford

Issuance Date: 01/10/97

Brief Summary of Relevant Information:

This approval allows for construction and operation of the Cold Vacuum Drying facility.

COLD VACUUM DRYING - PHASE II

Permit Type: Nonradioactive Air Emissions
Program NOC
WAC 173-400, WAC 173-460

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: 97NM-022

Contractor: Fluor Hanford

Issuance Date: 03/07/97

Brief Summary of Relevant Information:

Request to construct Phase II the Cold Vacuum Drying system. This includes installation and operation of process equipment.

COLD VACUUM DRYING - PHASE II

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: AIR 97-605

Contractor: Fluor Hanford

Issuance Date: 06/19/97

Brief Summary of Relevant Information:

The Cold Vacuum Drying Facility is one of three facilities that will be designed and constructed to complete the retrieval, processing, and storage of the spent nuclear fuel from the 105-K East and 105-K West Basins. The Phase I NOC was submitted to ensure the CVDF is in full compliance with WAC-173-460-040 (8) "Commencement of construction." The Phase I NOC is defined as constructing the substructure, including but not limited to, pouring concrete for the floor, and construction of the exterior walls. The Phase II NOC allows installation and operation of the process equipment that will generate any potential air emissions at the CVDF.

COLD VACUUM DRYING FACILITY, PROJECT W-441, PHASE II, REV. 1

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: AIR 99-804

Contractor: Fluor Hanford

Issuance Date: 08/05/99

Brief Summary of Relevant Information:

This approval decreases the potential to emit and acknowledges a process description change for the process drying. The conditions contained in AIR 97-605 dated 6/19/97 still apply.

COLD VACUUM DRYING FACILITY, PHASE II, REV. 1A

Permit Type: Radioactive Air Emissions
Program Notice of Construction
WAC 246-247

Permitting Agency: WDOH

Existing ☐ New ☒

DOE Office: Richland Operations Office

Permit Number: NOC revision approval
Issuance Date: 03/21/2000

Contractor: Fluor Hanford

Brief Summary of Relevant Information:

This NOC revision modified Section 12.0, Technology Standards. The AG-1 standard specifies that bearings with a L-10 service life rating of 100,000 hours for the air handling systems shall be used. The agency approved bearings with a L-10 service life rating of 40,000 hours can be used in lieu of the AG-1 requirement.

CATEGORICAL TANK FARM FACILITY ENTRY AND SURVEILLANCE

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☐ New ☒

DOE Office: Office of River Protection

Contractor: CH2M HILL Hanford Group

Permit Number: AIR-00-604
Issuance Date: 06/21/2000

Brief Summary of Relevant Information:

This NOC approval allows for the entry in facilities that have been unoccupied and closed for some time. Entry into the facilities include such activities as: accessing the facility, inspection/surveillance, photography/videotaping, sampling/surveying, removal of shield plugs, and general housekeeping.

PORTABLE EXHAUSTER USE ON SINGLE-SHELL TANKS DURING SALTWELL PUMPING, REV. 2

Approval Type: National Emission Standards for Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H
Permitting Agency: EPA, Region 10

Existing ☒ New ☐

DOE Office: Office of River Protection

Contractor: CH2M HILL Hanford Group

Approval: Letter
Issuance Date: 10/15/98

Brief Summary of Relevant Information:

Approval of this application will allow installation of a portable exhauster on the following SSTs during saltwell pumping: 241-AX-101, 241-BY-105, 241-BY-106, 241-S-101, 241-S-102, 241-S-103, 241-S-106, 241-S-107, 241-S-109, 241-S-111, 241-S-112, 241-U-103, 241-U-105, 241-U-106, 241-U-107, 241-U-108, 241-U-109, and 241-U-111. The exhausters will be used when flammable gas levels exceed 25 percent of the lower flammable limit.

PORTABLE EXHAUSTER USE ON SINGLE SHELL TANKS DURING SALTWELL PUMPING, REV. 2A

Approval Type: National Emission Standards for Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H
Issuing Agency: EPA, Region 10

Existing ☐ New ☒

DOE Office: Office of River Protection

Approval: Letter
Issuance Date: 08/10/99
Contractor: CH2M HILL Hanford Group

Brief Summary of Relevant Information:

This approval to construct allows the use of portable exhausters on SSTs during saltwell pumping. Specific SSTs covered include: 241-AX-101, 241-BY-105, 241-BY-106, 241-S-101, 241-S-102, 241-S-103, 241-S-106, 241-S-107, 241-S-109, 241-S-111, 241-S-112, 241-U-103, 241-U-105, 241-U-106, 241-U-107, 241-U-108, 241-U-109, 241-U-111. NOC Revision added SSTs 241-T-104 and 241-T-110 to original approval.

PORTABLE EXHAUSTER USE ON SINGLE-SHELL TANKS DURING SALTWELL PUMPING, REV. 0

Permit Type: Nonradioactive Air Emissions **Permitting Agency:** Ecology
Program NOC
WAC 173-400, WAC 173-460

Existing ☒ New ☐

DOE Office: Office of River Protection

Contractor: CH2M HILL Hanford Group

Permit Number: DE98NWP-006
Issuance Date: 10/26/98

Brief Summary of Relevant Information:

Approval of this NOC allows the use of portable exhausters on SSTs during saltwell pumping activities of tanks: 241-AX-101, 241-BY-105, 241-BY-106, 241-S-101, 241-S-102, 241-S-103, 241-S-106, 241-S-107, 241-S-109, 241-S-111, 241-S-112, 241-U-102, 241-U-103, 241-U-105, 241-U-106, 241-U-107, 241-U-108, 241-U-109, 241-U-111. Activities include saltwell pumping and use of a water lance to facilitate saltwell screen and saltwell jet pump installation into the waste.

PORTABLE EXHAUSTER USE ON SINGLE-SHELL TANKS DURING SALTWELL PUMPING, REV. 0A

Permit Type: Nonradioactive Air Emissions **Permitting Agency:** Ecology
Program NOC
WAC 173-400, WAC 173-460

Existing ☒ New ☐

DOE Office: Office of River Protection

Contractor: CH2M HILL Hanford Group

Permit Number: NOC revision approval
Issuance Date: 07/07/99

Brief Summary of Relevant Information:

Approval of this NOC allows the use of portable exhausters on SSTs during saltwell pumping activities of 241-T-104 and 241-T-110. Activities include saltwell pumping and the use of a water lance to facilitate saltwell screen and saltwell jet pump installation into the waste.

PORTABLE EXHAUSTER USE ON SINGLE SHELL TANKS DURING SALTWELL PUMPING, REV 0B

Permit Type: Nonradioactive Air Emissions
Program NOC
WAC 173-400, WAC 173-460

Permitting Agency: Ecology

Existing ☐ New ☒

DOE Office: Office of River Protection

Permit Number: NOC revision approval
Issuance Date: 09/23/99

Contractor: CH2M HILL Hanford Group

Brief Summary of Relevant Information:

This NOC approval added tank 241-A-101, 296-P-44, and 296-P-45 to Tables 1-1 and 3-1; revised three type of exhausters to two type of exhausters; and clarified Section 6.0 to note that VOCs will be monitored only if the portable exhauster is in operation.

PORTABLE EXHAUSTER USE ON SINGLE-SHELL TANKS DURING SALTWELL PUMPING, REV. 2

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Office of River Protection

Contractor: CH2M HILL Hanford Group

Permit Number: AIR 98-1207
Issuance Date: 12/16/98

Brief Summary of Relevant Information:

Approval of this NOC will allow installation of a portable exhauster on the following SSTs during saltwell pumping: 241-AX-101, 241-BY-105, 241-BY-106, 241-S-101, 241-S-102, 241-S-103, 241-S-106, 241-S-107, 241-S-109, 241-S-111, 241-S-112, 241-U-103, 241-U-105, 241-U-106, 241-U-107, 241-U-108, 241-U-109, 241-U-111. The exhausters will be used when flammable gas levels exceed 25 percent of the lower flammable limit.

PORTABLE EXHAUSTER USE ON SINGLE-SHELL TANKS DURING SALTWELL PUMPING, REV. 2A

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Office of River Protection

Contractor: CH2M HILL Hanford Group

Permit Number: NOC revision approval
Issuance Date: 06/17/99

Brief Summary of Relevant Information:

This NOC approval allows the use of portable exhausters on SSTs during saltwell pumping. Specific SSTs covered include: 241-AX-101, 241-BY-105, 241-BY-106, 241-S-101, 241-S-102, 241-S-103, 241-S-106, 241-S-107, 241-S-109, 241-S-111, 241-S-112, 241-U-103, 241-U-105, 241-U-106, 241-U-107, 241-U-108, 241-U-109, 241-U-111. This NOC revision added SSTs 241-T-104 and 241-T-110.

PORTABLE EXHAUSTER USE ON SINGLE-SHELL TANKS DURING SALTWELL PUMPING, REV. 2B

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☐ New ☒

DOE Office: Office of River Protection

Permit Number: NOC revision approval
Issuance Date: 07/31/99

Contractor: CH2M HILL Hanford Group

Brief Summary of Relevant Information:

This NOC approval allows the use of portable exhausters on single shell tanks during saltwell pumping. Specific SSTs covered include: 241-AX-101, 241-BY-105, 241-BY-106, 241-S-101, 241-S-102, 241-S-103, 241-S-106, 241-S-107, 241-S-109, 241-S-111, 241-S-112, 241-U-103, 241-U-105, 241-U-106, 241-U-107, 241-U-108, 241-U-109, 241-U-111. This NOC revision added SSTs 241-A-101, 241-U-102 to original NOC approval AIR98-1207..

PORTABLE EXHAUSTER USE ON SINGLE-SHELL TANKS DURING SALTWELL PUMPING, REV. 2C

Permit Type: Radioactive Air Emissions

Permitting Agency: WDOH

Existing ☐ New ☒

DOE Office: Office of River Protection

Contractor: CH2M HILL Hanford Group

Permit Number: NOC revision approval

Issuance Date: 06/26/2000

Brief Summary of Relevant Information:

This NOC revision revised the pump rate speeds during saltwell pumping to reflect actual rates experienced in the field.

241-SX-104 SALTWELL PUMPING

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☒ New ☐

DOE Office: Office of River Protection

Approval: Letter

Contractor: CH2M HILL Hanford Group

Issuance Date: 03/19/98

Brief Summary of Relevant Information:

Approval of this application allows the modification for saltwell pumping of tank 241-SX-104.

241-SX-104 SALTWELL PUMPING, PHASE I

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Office of River Protection

Permit Number:

Contractor: CH2M HILL Hanford Group

Issuance Date: 03/12/98

Brief Summary of Relevant Information:

Approval of this NOC for allows the saltwell pumping of drainable liquid waste in tank 241-SX-104.

SALTWELL PUMPING OF TANK 241-SX-106

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☒ New ☐

DOE Office: Office of River Protection

Approval: Letter
Issuance Date: 07/21/98

Contractor: CH2M HILL Hanford Group

Brief Summary of Relevant Information:

This approval to construct allows the modification for saltwell pumping of tank 241-SX-106.

SALTWELL PUMPING OF TANK 241-SX-106

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Office of River Protection

Permit Number: Routine Technical
Assistance Meeting
Issuance Date: 07/02/98

Contractor: CH2M HILL Hanford Group

Brief Summary of Relevant Information:

This NOC approval allows the saltwell pumping of drainable liquid waste in tank 241-SX-106.

SALTWELL PUMPING TANKS 241-SX-101, 241-SX-102, 241-SX-103, AND 241-SX-105

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☐ New ☒

DOE Office: Office of River Protection

Permit Number: AIR 00-108
Issuance Date: 02/09/2000

Contractor: CH2M HILL Hanford Group

Brief Summary of Relevant Information:

Approval of this NOC allows for the saltwell pumping of tanks 241-SX-101, 241-SX-102, 241-SX-103, and 241-SX-105 in the 241-SX-Tank Farm.

BY-PASSING THE 244-U DOUBLE CONTAINED RECEIVER TANK DURING SALTWELL PUMPING

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☒ New ☐

DOE Office: Office of River Protection

Approval: Letter

Contractor: CH2M HILL Hanford Group

Issuance Date: 05/07/99

Brief Summary of Relevant Information:

This approval to construct allows installation of approximately 6 feet of 3-inch diameter primary steel pipe and 6 feet of 6-inch diameter encasement piping connecting transfer lines SN-216 and SN-216/282 to serve as a by-pass around the 244-U DCRT. This will enable wastes in the tanks located in the 241-U Tank Farm to be saltwell pumped to tank 241-SY-102 without passing through the 244-U DCRT.

BY-PASSING THE 244-U DOUBLE CONTAINED RECEIVER TANK DURING SALTWELL PUMPING

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Office of River Protection

Permit Number: Shortform Approval

Contractor: CH2M HILL Hanford Group

Issuance Date: 05/04/99

Brief Summary of Relevant Information:

Approval of this NOC allows for the installation of approximately 6 feet of 3-inch diameter primary steel pipe and 6 feet of 6-inch diameter encasement piping connecting transfer lines SN-216 and SN-216/282 to serve as a by-pass around the 244-U DCRT. This will enable wastes in the tanks located in the 241-U Tank Farm to be saltwell pumped to tank 241-SY-102 without passing through the 244-U DCRT.

USE OF AN ULTRA HIGH-PRESSURE WATER LANCE TO INSTALL SALTWELL PUMPING EQUIPMENT IN TANK 241-BY-105

Permit Type: Radioactive Air Emissions
Program Notice of Construction
WAC 246-247

Permitting Agency: WDOH

Existing ☐ New ☒

DOE Office: Office of River Protection

Permit Number: AIR 00-207
Issuance Date: 0/22/2000

Contractor: CH2M HILL Hanford Group

Brief Summary of Relevant Information:

Approval of this NOC allows the use of an ultra high-pressure water lance to install saltwell pumping equipment. This approval authorizes the use of an ultra high-pressure water lance for this work instead of the high-pressure water lance described in DOE/RL-97-09, "Radioactive Air Emissions Notice of Construction Use of a Portable Exhauster in Single Shell Tanks During Saltwell Pumping".

ROTARY MODE CORE SAMPLING SYSTEMS 3 AND 4

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☒ New ☐

DOE Office: Office of River Protection

Approval: Letter
Issuance Date: 08/04/97

Contractor: CH2M HILL Hanford Group

Brief Summary of Relevant Information:

This approval to construct allows an exhauster to be installed on the passively ventilated DSTs and SSTs containing hard saltcake. This installation allows rotary mode core sampling (RMCS) of the tank contents using approved radionuclide air emissions control equipment. RMCS in these tanks requires nitrogen to be injected into the tank. Therefore, the exhauster is required to prevent tank pressurization and to control emissions. The RMCS activity is a Tri-Party Agreement Milestone (M-10-13). (NOTE: 97-EAP-590 transmitted Rev 1 of RMCS 3 and 4 NOC that included RMCS operations in 241-SX Farm. This EPA approval covers both SX and non-SX RMCS activities.)

ROTARY MODE CORE SAMPLING SYSTEMS 3 AND 4 AND MODIFICATION TO 2, REV. 1

Permit Type: Nonradioactive Air Emissions
Program NOC
WAC 173-400, WAC 173-460

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Office of River Protection

Permit Number: DE98NWP-005
Issuance Date: 09/03/98

Contractor: CH2M HILL Hanford Group

Brief Summary of Relevant Information:

Approval of this NOC allows the use of vapor space data from the waste tank characterization program to be used when calculating toxic air emissions from RMCS activities. The approval also allows a method to calculate compounds that do not have a small quantity emission rate and Appendix B calculations were modified to reflect calculations per tank versus annual emissions per exhausters.

ROTARY MODE CORE SAMPLING SYSTEMS 3 AND 4, REV. 1

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Office of River Protection

Permit Number: AIR 98-301
Issuance Date: 03/06/98

Contractor: CH2M HILL Hanford Group

Brief Summary of Relevant Information:

Approval of this NOC allows for an exhausters to be installed on passively vented DSTs and SSTs containing hard saltcake.

ROTARY MODE CORE SAMPLING SYSTEMS AT 241-SX TANK FARM

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Office of River Protection

Permit Number: AIR 97-1101
Issuance Date: 11/13/97

Contractor: CH2M HILL Hanford Group

Brief Summary of Relevant Information:

Approval of this NOC allows the use of the RMCS equipment in the 241-SX Tank Farm using the existing exhaust system.

STACK MONITORING SYSTEM UPGRADES (PROJECT W-420) (296-A-25, 296-B-28, 296-C-5, 296-S-22, 296-T-18, 296-P-16)

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☒ New ☐

DOE Office: Office of River Protection

Approval: Letter
Issuance Date: 01/07/99

Contractor: CH2M HILL Hanford Group

Brief Summary of Relevant Information:

This approval to construct allows for the replacement of stack and sampling and monitoring equipment with compliant equipment in accordance with the Federal Facility Compliance Agreement (FFCA).

STACK MONITORING SYSTEM UPGRADES (PROJECT W-420)
(296-A-25, 296-B-28, 296-C-5, 296-S-22, 296-T-18, 296-P-16)

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Office of River Protection

Permit Number: AIR 99-115
Issuance Date: 01/29/99

Contractor: CH2M HILL Hanford Group

Brief Summary of Relevant Information:

Approval of this NOC allows for the replacement of stack and sampling and monitoring equipment with compliant equipment in accordance with the Federal Facility Compliance Agreement (FFCA).

TANK FARM RESTORATIONS AND SAFE OPERATIONS (PROJECT W-314)

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☒ New ☐

DOE Office: Office of River Protection

Approval: Letter
Issuance Date: 12/23/97

Contractor: CH2M HILL Hanford Group

Brief Summary of Relevant Information:

This approval to construct allows excavation in contaminated areas to support replacement of existing transfer lines with compliant transfer lines. Minor excavation will be performed to support the replacement of wall nozzles in valve and pump pits to accommodate the new transfer lines.

TANK FARM RESTORATIONS AND SAFE OPERATIONS (PROJECT W-314)

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☐ New ☒

DOE Office: Office of River Protection

Approval: Letter

Contractor: CH2M HILL Hanford Group

Issuance Date: 11/22/99

Brief Summary of Relevant Information:

This approval to construct allows excavation in contaminated area to support replacement of existing transfer lines with compliant transfer lines. Minor excavation will be performed to support the replacement of wall nozzles in valve and pump pits to accommodate the new transfer lines.

TANK FARM RESTORATIONS AND SAFE OPERATIONS (PROJECT W-314), REV. 4

Permit Type: Radioactive Air Emissions
Program Notice of Construction
WAC 246-247

Permitting Agency: WDOH

Existing ☐ New ☒

DOE Office: Office of River Protection

Permit Number: AIR 00-310

Contractor: CH2M HILL Hanford Group

Issuance Date: 03/22/2000

Brief Summary of Relevant Information:

Approval of this NOC allows for those activities supporting Tank Farm Restoration and Safe Operations Project W-314, Revision 4. This approval supercedes all previous conditions and limitations.

VADOSE ZONE CHARACTERIZATION

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☒ New ☐

DOE Office: Office of River Protection

Approval: Letter

Contractor: CH2M HILL Hanford Group

Issuance Date: 06/14/99

Brief Summary of Relevant Information:

This approval to construct allows for subsurface soil sampling within selected SST farms. Several methods of sampling and drilling techniques are described in the NOC, including air rotary drilling, sonic drilling, closed en probe, cable tool drilling, cone penetrometer, air rotary split spoon, and others. Individual methods will selected based on the likely levels of contaminants to be encountered. Up to ten equivalent boreholes may be drilled during any consecutive 12-month period. The approval applies to the following tank farms: 241-A, 241-AX, 241-B, 241-BX, 241-BY, 241-C, 241-S, 241-SX, 241-T, 241-TX, 241-TY, and 241-U.

TANK WASTE REMEDIATION VADOSE ZONE CHARACTERIZATION, REV. 1

Permit Type: National Emission Standards
for Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Permitting Agency: EPA, Region 10

Existing ☐ New ☒

DOE Office: Office of River Protection

Contractor: CH2M HILL Hanford Group

Approval: Letter

Issuance Date: 05/26/2000

Expiration Date:

Brief Summary of Relevant Information:

This approval to construct allows for vadose zone characterization activities within the SST tank farms located in the 200 East and 200 West Areas. Vadose zone activities include the drilling and sampling of soil from the surface to the depth of groundwater.

VADOSE ZONE CHARACTERIZATION, REV. 0

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Office of River Protection

Permit Number: AIR 99-701
Issuance Date: 07/14/99

Contractor: CH2M HILL Hanford Group

Brief Summary of Relevant Information:

This NOC approval allows for subsurface soil sampling within selected SST farms. Several methods of sampling and drilling techniques are described in the NOC, including air rotary drilling, sonic drilling, closed en probe, cable tool drilling, cone penetrometer, air rotary split spoon, and others. Individual methods will selected based on the likely levels of contaminants to be encountered. Up to ten equivalent boreholes may be drilled during any consecutive 12-month period. The approval applies to the following tank farms: 241-A, 241-AX, 241-B, 241-BX, 241-BY, 241-C, 241-S, 241-SX, 241-T, 241-TX, 241-TY, and 241-U.

VADOSE ZONE CHARACTERIZATION NOC REVISION, REV. 0A

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Office of River Protection

Permit Number: NOC revision approval
Issuance Date: 08/23/99

Contractor: CH2M HILL Hanford Group

Brief Summary of Relevant Information:

This NOC revision approval allows a change in the vadose zone characterization activities. Additional conditions and limitations were applied to the NOC for Tank Waste Remediation System vadose zone characterization.

VADOSE ZONE CHARACTERIZATION NOC, REV. 0B

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Office of River Protection

Permit Number: NOC revision approval
Issuance Date: 11/01/99

Contractor: CH2M HILL Hanford Group

Brief Summary of Relevant Information:

This NOC revision approval allows a change in the vadose zone characterization activities.

VADOSE ZONE CHARACTERIZATION, REV. 1

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☐ New ☒

DOE Office: Office of River Protection

Contractor: CH2M HILL Hanford Group

Permit Number: AIR 00-515
Issuance Date: 05/26/2000

Brief Summary of Relevant Information:

This NOC approval allows for vadose zone characterization activities within the SST tank farms located in the 200 East and 200 West Areas. Vadose zone activities include the drilling and sampling of soil from the surface to the depth of groundwater.

VADOSE ZONE CHARACTERIZATION, REV. 1A

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☐ New ☒

DOE Office: Office of River Protection

Contractor: CH2M HILL Hanford Group

Permit Number: NOC revision approval
Issuance Date: 06/21/2000

Brief Summary of Relevant Information:

This NOC revision approved the use of a rotating brush at the end of the drill string to remove debris from inside the well casing. Removing debris from the inside surface of the well casing will reduce potential emissions since the contaminated soil remains in the borehole.

VAPOR SAMPLING OF MISCELLANEOUS UNDERGROUND UNITS

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☐ New ☒

DOE Office: Office of River Protection

Contractor: CH2M HILL Hanford Group

Permit Number: AIR 00-510
Issuance Date: 05/18/2000

Brief Summary of Relevant Information:

This NOC approval allows for the sampling of the vapor space in miscellaneous passive ventilated underground units with no known path of ventilation. These units can include tanks, wells, or other units with no known ventilation pathway. HEPA filters could be installed as needed if combustible gas concentrations in the headspace exceeds 25 percent of the lower flammable limit.

VAPOR SAMPLING OF MISCELLANEOUS UNDERGROUND UNITS, REV. 0A

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☐ New ☒

DOE Office: Office of River Protection

Contractor: CH2M HILL Hanford Group

Permit Number: NOC revision approval
Issuance Date: 06/26/2000

Brief Summary of Relevant Information:

Approval of this NOC allows for a change in the proposed controls based on the change in field conditions for vapor sampling activities. Riser adapters will not be used for the sampling activity unless it is necessary to minimize potential exposure to the environment.

SOIL CHARACTERIZATION USING THE CONE PENETROMETER

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Office of River Protection

Permit Number: AIR 98-1009
Issuance Date: 10/29/98

Contractor: CH2M HILL Hanford Group

Brief Summary of Relevant Information:

Approval of this NOC allows for the deployment of sensors and samplers by using the cone penetrometer to characterize soils around the 241-AX-104 Tank.

**GUZZLER EXCAVATION AND BACKFILLING ACTIVITIES IN SUPPORT OF THE
200 EAST AREA A FARM COMPLEX**

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☒ New ☐

DOE Office: Office of River Protection

Approval: Letter

Contractor: CH2M HILL Hanford Group

Issuance Date: 03/11/98

Brief Summary of Relevant Information:

This approval to construct allows the use of the guzzler in support of excavation and backfilling activities at the 200 East Area A Farm Complex.

**GUZZLER EXCAVATION AND BACKFILLING ACTIVITIES IN SUPPORT OF THE
200 EAST AREA A FARM COMPLEX**

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Office of River Protection

Permit Number: Short Form NOC

Contractor: CH2M HILL Hanford Group

Issuance Date: 12/23/97

Brief Summary of Relevant Information:

Approval of this NOC allows the use of the guzzler in support of excavation and backfilling activities at the 200 East Area A Farm Complex.

**ISOLATION OF EXHAUSTER 296-P-17 FROM TANK 105-A IN THE 241-A TANK
FARM, REV. 0**

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☐ New ☒

DOE Office: Office of River Protection

Permit Number: Shortform Approval
Issuance Date: 09/15/99

Contractor: CH2M HILL Hanford Group

Brief Summary of Relevant Information:

This NOC approval allows for the isolation of the 296-P-17 Exhauster from the 105-A Tank in the 241-A Tank Farm.

**ISOLATION OF EXHAUSTER 296-P-17 FROM TANK 105-A IN THE 241-A TANK
FARM, NOC, REV. 0A**

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☐ New ☒

DOE Office: Office of River Protection

Permit Number: NOC revision approval
Issuance Date: 12/09/99

Contractor: CH2M HILL Hanford Group

Brief Summary of Relevant Information:

The original NOC, approved by the WDOH on September 15, 1999, did not clearly describe the physical configuration of the lines to be disconnected or the method that will be used to isolate the tank risers. This NOC revision provides clarification and correct inaccuracies in the original NOC.

INSTALLATION OF A SMALL MIXER PUMP TO SUPPORT ROUTINE PH ADJUSTMENT IN TANK 107-AN

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Office of River Protection

Permit Number: Routine Technical
Assistance Meeting

Contractor: CH2M HILL Hanford Group

Issuance Date: 06/08/94

Brief Summary of Relevant Information:

Approval of this NOC allows for installation of a small mixer pump to support routine pH adjustment.

UPGRADING THE EXHAUSTER FANS IN THE 241-AN TANK FARM

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Office of River Protection

Permit Number: AIR 98-614

Contractor: CH2M HILL Hanford Group

Issuance Date: 06/30/98

Brief Summary of Relevant Information:

Approval of this NOC modifies an existing emission unit (296-A-29). These modifications include, replacing the existing ventilation fans, disconnecting the electric heaters, and installing new intrinsically safe (glycol) heaters. Fan replacement will increase flow capacity to a minimum of 1,000 cubic feet per minute (CFM).

**INSTALLATION AND OPERATIONS OF A WASTE RETRIEVAL SYSTEM IN
TANKS 241-AN-101, 241-AN-102, 241-AN-103, 241-AN-104, 241-AN-105, AND
241-AN-107**

Permit Type: National Emission Standards
for Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Permitting Agency: EPA, Region 10

Existing ☐ New ☒

DOE Office: Office of River Protection

Contractor: CH2M HILL Hanford Group

Approval: Letter

Issuance Date: 07/21/2000

Brief Summary of Relevant Information:

Approval of this application to construct allows for the installation and operation of a waste retrieval system in tanks 241-AN-101 through 241-AN-105, and 241-AN-107.

**INSTALLATION AND OPERATIONS OF A WASTE RETRIEVAL SYSTEM IN
TANKS 241-AN-101, 241-AN-102, 241-AN-103, 241-AN-104, 241-AN-105, AND
241-AN-107**

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☐ New ☒

DOE Office: Office of River Protection

Contractor: CH2M HILL Hanford Group

Permit Number: AIR 00-701

Issuance Date: 07/09/2000

Brief Summary of Relevant Information:

Approval of this NOC allows for the installation and operation of a waste retrieval system in tanks 241-AN-101 through 241-AN-105, and 241-AN-107.

**INSTALLATION AND OPERATION OF WASTE RETRIEVAL SYSTEM IN TANKS
241-AP-102 AND 241-AP-104**

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☐ New ☒

DOE Office: Office of River Protection

Approval: Letter

Contractor: CH2M HILL Hanford Group

Issuance Date: 02/04/2000

Brief Summary of Relevant Information:

This approval allows for a waste retrieval system in tanks 241-AP-102 and 241-AP-104.

**INSTALLATION AND OPERATION OF WASTE RETRIEVAL SYSTEM IN TANKS
241-AP-102 AND 241-AP-104**

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☐ New ☒

DOE Office: Office of River Protection

Permit Number: AIR 00-106

Contractor: CH2M HILL Hanford Group

Issuance Date: 01/24/2000

Brief Summary of Relevant Information:

This NOC allows for the installation and operation of a waste retrieval system in tanks 241-AP-102 and 241-AP-104.

INSTALLATION AND OPERATION OF A WASTE RETRIEVAL SYSTEM IN DOUBLE-SHELL TANKS

Permit Type: Nonradioactive Air Emissions
Program Notice of Construction
WAC 173-400, WAC 173-460

Permitting Agency: Ecology

Existing ☐ New ☒

DOE Office: Office of River Protection

Permit Number: DE00NWP-001
Issuance Date: 06/13/2000

Contractor: CH2M HILL Hanford Group

Brief Summary of Relevant Information:

This approval allows for the installation and operation of a waste retrieval system (mixer pumps and other associated equipment) in the 241-AP-102, 241-AP-104, 241-AN-101, 241-AN-102, 241-AN-103, 241-AN-104, 241-AN-105, 241-AN-107, 241-AW-101, 241-AW-103, 241-AW-104, 241-AY-101, 241-AY-102, 241-AZ-101, 241-AZ-102, 241-SY-101, 241-SY-102, and 241-SY-103 DSTs.

New ancillary equipment and buildings will include a new instrument building, an annex to an existing instrument building, or modifications to an existing instrument building, as needed to house retrieval instrumentation/electrical equipment and operator stations. Also included is the installation of electrical power and instrument cables, and other utility tie-ins and/or upgrades (e.g., sanitary and raw water, and telecommunications). Additionally approved is the construction and operation of up to three caustic supply/dilution systems. Each system will include a 250 hp package boiler, a chemical injection pump, a diluent/flush pump, a diluent/flush tank (approximately 5,000 gallons), and a spill containment pad.

241-AY AND 241-AZ VENTILATION UPGRADES

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☒ New ☐

DOE Office: Office of River Protection

Approval: Letter
Issuance Date: 07/28/98

Contractor: CH2M HILL Hanford Group

Brief Summary of Relevant Information:

This approval to construct allows for an increased ventilation flow rate for exhausters in 241AY/AZ Tank Farm. The flow rate increases from 0.4 cubic meter per second to 0.5 cubic meter per second.

**241-AZ-101 TANK WASTE RETRIEVAL AND 241-AY/241-AZ TANK FARMS
VENTILATION UPGRADES, PROJECT W-151 AND PROJECT W-030**

Permit Type: Nonradioactive Air Emissions
Program NOC
WAC 173-400, WAC 173-460

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Office of River Protection

Permit Number: NOC 94-07
Issuance Date: 08/29/94

Contractor: CH2M HILL Hanford Group

Brief Summary of Relevant Information:

Approval of this NOC allows the modification of the existing ventilation system, and the installation of mixer pumps in AZ-101. This NOC was revised on 12/22/97 to modify the VOC emission limit to 50 ppmv, measured as carbon, to use Method 25A for VOC emission testing. The revision also allows measurement of ammonia using draeger tubes.

**241-AZ-101 TANK WASTE RETRIEVAL AND 241-AY/241-AZ TANK FARMS
VENTILATION UPGRADES, PROJECT W-151 AND PROJECT W-030, REV. 1**

Permit Type: Nonradioactive Air Emissions
Program NOC
WAC 173-400, WAC 173-460

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Office of River Protection

Permit Number: NOC 94-07-01
Issuance Date: 12/22/97

Contractor: CH2M HILL Hanford Group

Brief Summary of Relevant Information:

Approval of this NOC modifies the original NOC approval conditions, specifically to modify VOC emission limits and request approval of alternative test method.

**241-AZ-101 TANK WASTE RETRIEVAL AND 241-AY/241-AZ TANK FARMS
VENTILATION UPGRADES, PROJECT W-151 AND PROJECT W-030. REV. 1A**

Permit Type: Nonradioactive Air Emissions
Program NOC
WAC 173-400, WAC 173-460

Permitting Agency: Ecology

Existing ☐ New ☒

DOE Office: Office of River Protection

Permit Number: NOC revision approval
Issuance Date: 10/25/99

Contractor: CH2M HILL Hanford Group

Brief Summary of Relevant Information:

This NOC approves changing the dates for mixer pump operations, the hours of operations, and the exhaust flow rates. There are no changes for Section 7.0, Approval Conditions of NOC 94-07-01. Installation of a Small Mixer Pump to Support Routine pH Adjustment in Tank 107-AN.

241-AY AND 241-AZ VENTILATION UPGRADES

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Office of River Protection

Permit Number: AIR 98-708
Issuance Date: 07/10/98

Contractor: CH2M HILL Hanford Group

Brief Summary of Relevant Information:

Approval of this NOC allows for an increased ventilation flow rate for exhausters in 241AY/AZ Tank Farm. The flow rate increases from 0.4 cubic meter per second to 0.5 cubic meter per second. This NOC was revised to resolve NOC discrepancies and approved by WDOH on 1/19/99.

241-AY AND 241-AZ VENTILATION UPGRADES, REV. 0A

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Office of River Protection

Permit Number: NOC revision approval
Issuance Date: 01/19/99

Contractor: CH2M HILL Hanford Group

Brief Summary of Relevant Information:

This NOC is a revision to NOC DOE/RL-98-27, Rev 0 dated 4/98 to reflect correction of NOC discrepancies.

USE OF A PORTABLE EXHAUSTER AT 244-AR VAULT, REV. 2

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☒ New ☐

DOE Office: Office of River Protection

Approval: Letter
Issuance Date: 10/24/97

Contractor: CH2M HILL Hanford Group

Brief Summary of Relevant Information:

This approval to construct allows use of a portable exhauster in the 244-AR Vault during air jetting of accumulated liquids from the cell sumps into the tanks and to make transfers among the tanks within the vault using radionuclide air emissions control equipment in accordance with descriptions contained in this application. The vault has been inactive since 1978 with the ventilation system inactive since 1993.

Rain water and/or snow melt has accumulated in the sumps since cessation of operations. Active ventilation is required for air jetting operations; therefore, a portable exhauster will be used while removing the water from the sumps.

USE OF A PORTABLE EXHAUSTER AT 244-AR VAULT, REV. 2

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Office of River Protection

Contractor: CH2M HILL Hanford Group

Permit Number: AIR 97-1007

Issuance Date: 10/09/97

Brief Summary of Relevant Information:

Approval of this NOC will allow use of a portable exhauster in the 244-AR Vault during air jetting of accumulated liquids from the cell sumps into the tanks and to make transfers among the tanks within the vault. The vault's ventilation system has been inactive since 1993. Active ventilation is required for air jetting operations; therefore, a portable exhauster will be used while removing the rain water and/or snow melt from the sumps.

USE OF A PORTABLE EXHAUSTER AT 244-AR VAULT, REV. 2A

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Office of River Protection

Permit Number: NOC revision approval

Contractor: CH2M HILL Hanford Group

Issuance Date: 02/17/99

Brief Summary of Relevant Information:

Approval of this revised estimates of source term inventory and the estimated unabated and abated emissions. Approval of the original NOC allows use of a portable exhauster in the 244-AR Vault during air jetting of accumulated liquids from the cell sumps into the tanks and to make transfers among the tanks within the vault using radionuclide air emissions control equipment. Active ventilation is required for air jetting operations; therefore, a portable exhauster will be used while removing the water from the sumps.

TANK FARM WASTE TRANSFER PITS 241-ER-152 AND 244-A LIFT STATION

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☒ New ☐

DOE Office: Office of River Protection

Approval: Letter

Contractor: CH2M HILL Hanford Group

Issuance Date: 02/17/99

Brief Summary of Relevant Information:

This approval to construct allows for work in the Tank Farm Waste Transfer Pits 241-ER-152 and 244-A Lift Station.

TANK FARM WASTE TRANSFER PITS 241-ER-152 AND 244-A LIFT STATION

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Office of River Protection

Permit Number: AIR 99-204

Contractor: CH2M HILL Hanford Group

Issuance Date: 02/12/99

Brief Summary of Relevant Information:

Approval of this NOC allows for work activities in the Tank Farm Waste Transfer Pits 241-ER-152 and 244-A Lift Station. These include such activities as removal of cover blocks, inspection, jumper work, and valve repair or replacement.

241-C-106 TANK SLUICING, PHASE II, REV. 2

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☒ New ☐

DOE Office: Office of River Protection

Approval: Letter

Contractor: CH2M HILL Hanford Group

Issuance Date: 09/10/98

Brief Summary of Relevant Information:

Approval of this application allows construction and operation of the 241-C-106 tank waste retrieval system in accordance with descriptions contained in the NOC. The 241-C-106 tank is a high-heat watch SST and requires the addition of water to cool the tank waste. Retrieval of the waste eliminates the need to add water to the tank. Two phases of permitting were pursued. Phase I approval, received from EPA, Region 10, on February 23, 1994 did not involve radioactive air emissions. The remaining Phase II activities generate radioactive air emissions.

241-C-106 TANK SLUICING, PHASE II, REV. 0

Permit Type: Nonradioactive Air Emissions
Program NOC
WAC 173-400, WAC 173-460

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Office of River Protection

Permit Number: 97NM-001

Contractor: CH2M HILL Hanford Group

Issuance Date: 10/24/97

Brief Summary of Relevant Information:

Approval of this NOC replaces the VOC maximum emission limit of 0.69 milligrams per cubic meter to a VOC maximum emission limit of 50 parts per million (ppm) measured as Total Organic Carbon.

241-C-106 TANK SLUICING, PHASE II, REV. 0A

Permit Type: Nonradioactive Air Emissions
Program NOC
WAC 173-400, WAC 173-460

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Office of River Protection

Permit Number: NOC revision approval
Issuance Date: 04/09/99

Contractor: CH2M HILL Hanford Group

Brief Summary of Relevant Information:

Approval of this NOC allows for the inclusion of sample data obtained during the trial sluicing operation. This updated NOC approval: (1) revised the estimates for nitrogen oxides, carbon monoxide and VOCs (2) referenced the analytical data obtained during the trial run for toxic air pollutants and (3) revised the sample monitoring.

241-C-106 TANK SLUICING, PHASE II, REV. 2

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Office of River Protection

Permit Number: AIR 98-1002

Contractor: CH2M HILL Hanford Group

Issuance Date: 10/02/98

Brief Summary of Relevant Information:

Approval of this NOC allows construction and operation of the 241-C-106 tank waste retrieval system. The 241-C-106 tank is a high-heat watchlist SST. This high-heat waste tank requires the addition of water to cool the tank waste. Retrieval of the waste eliminates the need to add water to the tank.

241-C-106 TANK SLUICING, PHASE II, REV 2A

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Office of River Protection

Contractor: CH2M HILL Hanford Group

Permit Number: NOC revision approval
Issuance Date: 04/08/99

Brief Summary of Relevant Information:

This NOC approval modified the exhauster stack height and allowed for the installation of gas sampling probes for continuous monitoring during sluicing operations.

244-CR VAULT WORK ACTIVITIES

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☐ New ☒

DOE Office: Office of River Protection

Permit Number: AIR 00-206
Issuance Date: 02/15/2000

Contractor: CH2M HILL Hanford Group

Brief Summary of Relevant Information:

This NOC approval allows for work in the Tank Farm 244-CR Vault. Approved activities include; remove or install cover blocks, perform inspections, install, disconnect, change, and cut up jumper/blanks or other pit equipment, repair/replace valves, jumpers, pumps, filters, leak detectors, or other instrumentation/equipment. Other activities include decontamination activities, applying fixative with cover blocks on or off, clearing drains and checking flow of drains, unplugging transfer lines and miscellaneous activities.

**INSTALLATION AND USE OF A NEW EMISSIONS UNIT FOR THE
241-ER-311 CATCH TANK**

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☐ New ☒

DOE Office: Office of River Protection

Approval: Letter

Contractor: CH2M HILL Hanford Group

Issuance Date: 11/16/99

Brief Summary of Relevant Information:

This approval to construct allows for a new emission unit for the 241-ER-311 Catch Tank.

**INSTALLATION AND USE OF A NEW EMISSIONS UNIT FOR THE
241-ER-311 CATCH TANK**

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☐ New ☒

DOE Office: Office of River Protection

Permit Number: Shortform Approval

Contractor: CH2M HILL Hanford Group

Issuance Date: 11/08/99

Brief Summary of Relevant Information:

This NOC approval allows for the installation and use of a new emissions unit for the 241-ER-311 Catch Tank. The 241-ER-311 catch tank receives drainage from 241-ER-151 and 241-ER-152 diversion boxes.

LIQUID EFFLUENT TRANSFER SYSTEM, PROJECT W-519, REV. 0

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☐ New ☒

DOE Office: Office of River Protection

Contractor: CH2M HILL Hanford Group

Permit Number: AIR 00-706

Issuance Date: 07/24/2000

Brief Summary of Relevant Information:

This NOC approval provides for the infrastructure development of waste transfer lines for the Liquid Effluent Transfer System (LETS) and is dependent on operation of the vitrification plant. Project W-519 involves the installation of three underground waste transfer lines from the vitrification plant to the existing LERF basins. One nonradioactive waste transfer line will transfer waste from the vitrification plant to the 200 Area TEDF.

S-FARM REMOVAL OF DUCT WORK AND ASSOCIATED EXHAUSTERS

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☒ New ☐

DOE Office: Office of River Protection

Approval: Letter

Contractor: CH2M HILL Hanford Group

Issuance Date: 09/20/95

Brief Summary of Relevant Information:

S-Farm removal of duct work and associated exhausters.

S-FARM REMOVAL OF DUCT WORK AND ASSOCIATED EXHAUSTERS

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Office of River Protection

Permit Number: AIR-95-1004
Issuance Date: 10/12/95

Contractor: CH2M HILL Hanford Group

Brief Summary of Relevant Information:

S-Farm removal of duct work and associated exhausters.

TANK FARM 241-S-151 DIVERSION BOX

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☐ New ☒

DOE Office: Office of River Protection

Permit Number: AIR 99-1010
Issuance Date: 10/28/99

Contractor: CH2M HILL Hanford Group

Brief Summary of Relevant Information:

Approval of this NOC allowed for performing the following activities in the designated diversion box: remove or install cover blocks; perform inspections; install, disconnect, change, and cut up jumpers/blanks or other pit equipment; repair/replace valves, jumpers, pumps, filters, leak detectors, or other instrumentation/equipment; perform decontamination activities; apply fixative with cover blocks on or off; clear drains and check flow of drains; unplug transfer lines.

241-SY-101 CRUST GROWTH NEAR TERM MITIGATION

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☒ New ☐

DOE Office: Office of River Protection

Approval: Letter

Contractor: CH2M HILL Hanford Group

Issuance Date: 04/29/99

Brief Summary of Relevant Information:

This approval to construct NOC allows for deployment of a tool similar to a void fraction instrument into the tank waste to perforate the crust, creating vent paths through the crust and dislodging trapped gas bubbles from the crust matrix.

241-SY-101 CRUST GROWTH NEAR TERM MITIGATION

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Office of River Protection

Permit Number: Shortform Approval

Contractor: CH2M HILL Hanford Group

Issuance Date: 04/23/99

Brief Summary of Relevant Information:

Approval of this NOC allows for deployment of a tool similar to a void fraction instrument into the tank waste to perforate the crust, creating vent paths through the crust and dislodging trapped gas bubbles from the crust matrix.

241-SY-101 TANK MIXER PUMP

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☒ New ☐

DOE Office: Office of River Protection

Approval: Letter

Contractor: CH2M HILL Hanford Group

Issuance Date: 09/17/92

Brief Summary of Relevant Information:

This approval to construct allows the installation of mixing pumps to mitigate the periodic venting of gases from the tank.

241-SY-101 TANK MIXER PUMP REPLACEMENT

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☒ New ☐

DOE Office: Office of River Protection

Approval: Letter

Contractor: CH2M HILL Hanford Group

Issuance Date: 02/14/95

Brief Summary of Relevant Information:

Approval of this application allows replacement of the present 241-SY-101 mixer pump, if the current pump fails, in accordance with descriptions contained in the application. The mixer pump is designed to mitigate flammable gas buildup in the 241-SY-101 tank.

241-SY-101 TANK MIXER PUMP REPLACEMENT

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Office of River Protection

Permit Number: AIR95-203
Issuance Date: 02/21/95

Contractor: CH2M HILL Hanford Group

Brief Summary of Relevant Information:

Approval of this NOC allows replacement of the present 241-SY-101 mixer pump, if the current pump fails, in accordance with descriptions contained in the NOC. The mixer pump is designed to mitigate flammable gas buildup in the 241-SY-101 tank.

TANK FARM 241-TX-154 DIVERSION BOX

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☐ New ☒

DOE Office: Office of River Protection

Permit Number: AIR 99-1011
Issuance Date: 10/29/99

Contractor: CH2M HILL Hanford Group

Brief Summary of Relevant Information:

Approval of this NOC allows the contractor to remove or install cover blocks, perform inspections, install, disconnect, change, and cut up jumpers/blanks or other pit equipment, repair/replace valves, jumpers, pumps, filters, leak detectors, or other instrumentation/equipment, perform decontamination activities, apply fixative with cover blocks on or off, clear drains and check flow of drains, and unplug transfer lines.

**TANK FARM WASTE TRANSFER PIT 244-TX DOUBLE-CONTAINED RECEIVER
TANK**

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☐ New ☒

DOE Office: Office of River Protection

Permit Number: AIR 99-1002

Contractor: CH2M HILL Hanford Group

Issuance Date: 10/06/99

Brief Summary of Relevant Information:

Approval of this NOC allows for work activities in the 244-TX DCRT. These activities include the removal of cover blocks; inspection as necessary; jumper or other pit equipment installation, disconnection, or repair; leak testing; clearing drains and unlugging transfer lines, and the decontamination or stabilization of contaminated areas within the pit.

**TANK FARM WASTE TRANSFER PIT 244-TX DOUBLE-CONTAINED RECEIVER
TANK, REV. 0A**

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☐ New ☒

DOE Office: Office of River Protection

Permit Number: NOC revision approval

Contractor: CH2M HILL Hanford Group

Issuance Date: 04/27/2000

Brief Summary of Relevant Information:

Approval of this NOC clarifies that work activities occur in the filter pit and instrument pit in addition to those activities in the pump pit.

TANK FARM 241-UX-154 DIVERSION BOX

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☐ New ☒

DOE Office: Office of River Protection

Permit Number: AIR 99-1003
Issuance Date: 10/06/99

Contractor: CH2M HILL Hanford Group

Brief Summary of Relevant Information:

Approval of this NOC allows work activities to be undertaken in the 241-UX-154 Diversion Box. Activities include such areas as removal of cover blocks, inspections, jumper repair and replacement, decontamination and stabilization, and clearing and unplugging transfer lines.

200 AREA INTERIM STORAGE AREA

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☒ New ☐

DOE Office: Richland Operations Office

Approval: Letter
Issuance Date: 06/24/98

Contractor: Fluor Hanford

Brief Summary of Relevant Information:

Approval of this application allows for the construction and operation of the 200 Area Interim Storage Area.

200 AREA INTERIM STORAGE AREA

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: AIR 98-503
Issuance Date: 05/20/98

Contractor: Fluor Hanford

Brief Summary of Relevant Information:

Approval of this NOC allow for the construction and operation of the 200 Area Interim Storage Area.

200/300 AREA STEAM REPLACEMENT

Permit Type: Nonradioactive Air Emissions
Program NOC
WAC 173-400, WAC 173-460

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: 97NM-138

Contractor: Johnson Controls, Inc.

Issuance Date: 06/06/97

Brief Summary of Relevant Information:

Approval to install about 41 new boilers in the 200 and 300 Areas ranging in size from 10 BHP to 700 BHP to replace current steam generating facilities.

CANISTER STORAGE BUILDING

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☒ New ☐

DOE Office: Richland Operations Office

Approval: Letter

Contractor: Fluor Hanford

Issuance Date: 08/26/98

Brief Summary of Relevant Information:

This approval to construct and operate allowed for a revised sealing configuration of the multi-canister overpacks. It revises a previous approval.

CANISTER STORAGE BUILDING

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☐ New ☒

DOE Office: Richland Operations Office

Permit Number: AIR 98-710

Contractor: Fluor Hanford

Issuance Date: 07/30/98

Brief Summary of Relevant Information:

Approval of this NOC allows for continued construction and operation of the Canister Storage Building (CSB). This revision to the previously approved NOC was submitted to incorporate a sealing configuration for the multi-canister overpacks.

B PLANT MODIFICATION OF THE VENTILATION SYSTEM, REV. 0

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☒ New ☐

DOE Office: Richland Operations Office

Approval: Letter

Contractor: Fluor Hanford

Issuance Date: 06/19/97

Brief Summary of Relevant Information:

Project includes; installing exhaust ductwork, installing air filtration equipment and fans, installing a new exhaust stack, isolation and ventilation of existing filter banks, and isolation of existing stack and exhaust fans.

B PLANT VENTILATION UPGRADES, REV. 1

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☒ New ☐

DOE Office: Richland Operations Office

Approval: Letter

Contractor: Fluor Hanford

Issuance Date: 10/27/97

Brief Summary of Relevant Information:

Modifications to the application to construct, DOE/RL-97-17, include removal of the CAM from stack, a location change of the control equipment, a canyon wall penetration change, and the PTE calculations associated with the changes.

B PLANT MODIFICATION OF THE VENTILATION SYSTEM, REV. 0

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☒ New ☐

DOE Office: Richland Operations Office

Approval: Letter

Contractor: Bechtel Hanford, Inc.

Issuance Date: 06/19/97

Brief Summary of Relevant Information:

This approval to construct includes installing exhaust ductwork, installing filtration equipment and fans, installing a new exhaust stack, isolation and ventilation of existing filter banks, isolation of existing stack and exhaust fans.

B PLANT MODIFICATION OF THE VENTILATION SYSTEM, REV. 0

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: AIR 97-805

Contractor: Fluor Hanford

Issuance Date: 08/20/97

Brief Summary of Relevant Information:

Approval of this NOC allows for installing exhaust ductwork, installing air filtration equipment and fans, installing a new exhaust stack, isolation and ventilation of existing filter banks, isolation of existing stack and exhaust fans, and operation of the newly installed systems.

B PLANT MODIFICATION OF THE VENTILATION SYSTEM, REV. 1

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: AIR 97-1012

Contractor: Fluor Hanford

Issuance Date: 10/28/97

Brief Summary of Relevant Information:

Modifications to the NOC DOE/RL-97-17 include removal of the CAM from stack, a location change of the control equipment, a canyon wall penetration change, and the PTE calculations associated with these changes.

B PLANT MODIFICATION OF THE VENTILATION SYSTEM, REV. 0

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: AIR 97-805

Contractor: Bechtel Hanford, Inc.

Issuance Date: 08/20/97

Brief Summary of Relevant Information:

Project includes; installing exhaust ductwork, installing air filtration equipment and fans, installing a new exhaust stack, isolation and ventilation of existing filter banks, and isolation of existing stack and exhaust fans, and installation of a new passive vent system (296-B-2). The 296-B-2 system includes a common vent header between the several underground filters, a HEPA vent filter, and a sample filter.

B PLANT MODIFICATION OF THE VENTILATION SYSTEM, REV. 0A

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☐ New ☒

DOE Office: Richland Operations Office

Permit Number: NOC revision approval
Issuance Date: 09/08/99

Contractor: Bechtel Hanford, Inc.

Brief Summary of Relevant Information:

This approval modifies the annual testing requirements of the passively vented B Plant retired HEPA Filter Stack, 296-B-2. In lieu of annual testing, the record HEPA filter (second filter) shall have an efficiency greater than 90% for particles with a median diameter of 0.3 micron as specified by the manufacturer and doesn't need to be tested.

B PLANT MODIFICATION OF THE VENTILATION SYSTEM, ANNUAL TEST FOR PLUGGING, REV. 0B

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☐ New ☒

DOE Office: Richland Operations Office

Permit Number: NOC revision approval
Issuance Date: 01/04/2000

Contractor: Bechtel Hanford, Inc.

Brief Summary of Relevant Information:

The passive vent system (PVS) is designed to prevent accumulation of hydrogen in the vaults. An annual test of the PVS will be performed using a forced air exhaustor to verify that the vent header is not plugged.

WASTE ENCAPSULATION AND STORAGE FACILITY K-3 DUCT, REV. 0

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☒ New ☐

DOE Office: Richland Operations Office

Approval: Letter

Contractor: Fluor Hanford

Issuance Date: 03/06/98

Brief Summary of Relevant Information:

Approval of this NOC modifies the approval obtained on 12/20/96 for efforts to characterize the radiological inventory in the WESF K-3 duct. The modification allows the use of WESF remote-controlled hot cell manipulators rather than the flute technology and remote-controlled robotics cameras. It also reduces the number of smear samples taken and the contamination which will be disturbed.

WASTE ENCAPSULATION AND STORAGE FACILITY K-3 DUCT, REV. 0

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: Routine Technical
Assistance Meeting

Contractor: Fluor Hanford

Issuance Date: 12/16/97

Brief Summary of Relevant Information:

Approval of this NOC modifies the approval obtained on 11/12/96 for efforts to characterize the radiological inventory in the WESF K-3 duct. The modification allows the use of WESF remote-controlled hot cell manipulators rather than the flute technology and remote-controlled robotics cameras. It also decreases the number of smear samples taken and the contamination which will be disturbed.

WASTE ENCAPSULATION AND STORAGE FACILITY K-3 DUCT, REV. 0A

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☐ New ☒

DOE Office: Richland Operations Office

Permit Number: NOC revision approval
Issuance Date: 01/20/99

Contractor: Fluor Hanford

Brief Summary of Relevant Information:

Approval of this NOC modifies the approval obtained on 12/17/97 for efforts to characterize the radiological inventory in the WESF K-3 duct. The modification allows the use of WESF remote-controlled hot cell manipulators. All work will be done remotely using WESF hot cell manipulators.

WASTE ENCAPSULATION AND STORAGE FACILITY K-3 DUCT, REV. 0B

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☐ New ☒

DOE Office: Richland Operations Office

Permit Number: NOC revision approval
Issuance Date: 09/08/99

Contractor: Fluor Hanford

Brief Summary of Relevant Information:

Approval of this NOC revision modifies the completion date of proposed activities from 8/26/99 to 8/31/2000. This is a modification to the NOC revision dated 1/20/99. There were no conditions associated with this NOC approval.

**WASTE ENCAPSULATION AND STORAGE FACILITY LIQUID LOW-LEVEL
RADIOACTIVE STREAM PIPING MODIFICATION AND CONTINGENCY
OPERATIONS, REV. 0**

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☒ New ☐

DOE Office: Richland Operations Office

Approval: Letter

Contractor: Fluor Hanford

Issuance Date: 03/30/98

Brief Summary of Relevant Information:

This approval allows WESF to perform some piping modifications in contaminated areas to support completion of the new WESF low level liquid waste system. It also provides for contingent operation of a reserve storage tank and ion exchange column, if necessary, to reduce contamination to an acceptable level.

**WASTE ENCAPSULATION AND STORAGE FACILITY LIQUID LOW-LEVEL
RADIOACTIVE STREAM PIPING MODIFICATION AND CONTINGENCY
OPERATIONS, REV. 0**

Permit Type: Radioactive Air Emissions
Program NOC Radioactive Air
Emissions Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: Routine Technical
Assistance Meeting

Contractor: Fluor Hanford

Issuance Date: 02/26/98

Brief Summary of Relevant Information:

Approval of this NOC allows WESF to perform some piping modifications in contaminated areas to support completion of the new WESF low level liquid waste system. It also provides for contingent operation of a reserve storage tank and ion exchange column, if necessary, to reduce contamination to an acceptable level. This NOC was revised and approved by WDOH on 1/19/99

**WASTE ENCAPSULATION AND STORAGE FACILITY LIQUID LOW-LEVEL
RADIOACTIVE STREAM PIPING MODIFICATION AND CONTINGENCY
OPERATIONS, REV. 0A**

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☐ New ☒

DOE Office: Richland Operations Office

Permit Number: NOC revision approval
Issuance Date: 1/19/99

Contractor: Fluor Hanford

Brief Summary of Relevant Information:

Approval of this NOC allows WESF to perform some piping modifications in contaminated areas to support completion of the new WESF low level liquid waste system. It also provides for contingent operation of a reserve storage tank and ion exchange column, if necessary, to reduce contamination to an acceptable level. This NOC is a revision to the 2/26/98 WDOH approval.

**WASTE ENCAPSULATION AND STORAGE FACILITY LIQUID LOW-LEVEL
RADIOACTIVE STREAM PIPING MODIFICATION AND CONTINGENCY
OPERATIONS, REV. 0A**

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☐ New ☒

DOE Office: Richland Operations Office

Approval: Letter
Issuance Date: 8/12/99

Contractor: Fluor Hanford

Brief Summary of Relevant Information:

This approval allows for an alternative stack monitoring method that is sufficient to characterize the effluent for the purpose of NESHAP. The stack requires continuous monitoring in accordance with 40 CFR 61.93.

WASTE ENCAPSULATION AND STORAGE FACILITY - APPROVAL OF ALTERNATIVE MONITORING METHOD

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☐ New ☒

DOE Office: Richland Operations Office

Permit Number: AIR 99-501

Contractor: Fluor Hanford

Issuance Date: 05/19/99

Brief Summary of Relevant Information:

This approval allows for the alternative stack monitoring method based upon the review of the data submitted for NESHAP stack sample system equivalency.

REQUEST TO MODIFY PUREX STORAGE TUNNEL NUMBER 2

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☐ New ☒

DOE Office: Richland Operations Office

Approval: Letter

Contractor: Fluor Hanford

Issuance Date: 02/04/2000

Brief Summary of Relevant Information:

Request to modify PUREX Storage Tunnel Number 2.

REACTIVATION OF PUREX STORAGE TUNNEL NUMBER 2

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☐ New ☒

DOE Office: Richland Operations Office

Permit Number: AIR 99-1205

Contractor: Fluor Hanford

Issuance Date: 12/20/99

Brief Summary of Relevant Information:

Notice of construction approval for the reactivation of PUREX Storage Tunnel Number 2 ventilation system and the transfer of up to 3.5 Mci radioactive waste to the tunnel from any location on the Hanford Site.

200 AREA EFFLUENT TREATMENT FACILITY AND LOAD-IN STATION, AND LIQUID EFFLUENT RETENTION FACILITY

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☒ New ☐

DOE Office: Richland Operations Office

Approval: Letter

Contractor: Fluor Hanford

Issuance Date: 07/03/97

Brief Summary of Relevant Information:

Approval of this application for modification to increase air emissions allows an increased potential-to-emit from the 200 Area ETF and Load-In Station, and the LERF. The calculated abated offsite dose is .025 millirem per year.

**200 AREA EFFLUENT TREATMENT FACILITY (2025 E), APPROVAL OF NOC
APPLICATION FOR NONRADIOACTIVE AIR EMISSIONS**

Permit Type: Nonradioactive Air Emissions
Program Notice of Construction
WAC 173-400, WAC 173-460

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: NOC-93-3
Issuance Date: 12/20/93

Contractor: Fluor Hanford

Brief Summary of Relevant Information:

This is an approval to construct and operate the 200 Area ETF. The ETF is an industrial wastewater treatment facility designed to treat a combination of dilute liquid waste streams generated on the Hanford Site. The initial feed stream will be comprised of effluent from the 242-A Evaporator and the LERF.

200 AREA EFFLUENT TREATMENT FACILITY, REV. 1

Permit Type: Nonradioactive Air Emissions
Program NOC
WAC 173-400, WAC 173-460

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: 96NW-1-301
Issuance Date: 10/16/96

Contractor: Fluor Hanford

Brief Summary of Relevant Information:

Approval of this NOC was granted to expand the original approval to include influent streams from 200-UP-1 groundwater, N Basin water, and other batch waste streams from various locations on the Hanford Site.

**200 AREA EFFLUENT TREATMENT FACILITY AND LOAD-IN STATION, AND
LIQUID EFFLUENT RETENTION FACILITY, REV. 0**

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: Routine Technical
Assistance Meeting

Contractor: Fluor Hanford

Issuance Date: 01/14/97

Brief Summary of Relevant Information:

Approval of this NOC allows an increased potential-to-emit from the 200 Area ETF and Load-In Station, and the LERF. This approval includes the LERF emission points 242AL42-001, 242AL43-001, and 242AL44-001. The combined abated offsite dose was calculated at .025 millirem per year. This NOC was revised by a short form approval on 1/19/99.

**200 AREA EFFLUENT TREATMENT FACILITY AND LOAD-IN STATION, AND
LIQUID EFFLUENT RETENTION FACILITY, REV. 0A**

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☐ New ☒

DOE Office: Richland Operations Office

Permit Number: NOC revision approval

Contractor: Fluor Hanford

Issuance Date: 01/19/99

Brief Summary of Relevant Information:

Approval of this NOC allows for clarifications of the operation of the 200 Area ETF and LERF Basins. There is no increase in the total curie content or the potential to emit. This NOC reflects a revision to the NOC approved 1/14/97 by WDOH.

**200 AREA EFFLUENT TREATMENT FACILITY LOAD-IN STATION ADDITION OF
FILTER SKID, REV. 0B**

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☐ New ☒

DOE Office: Richland Operations Office

Permit Number: Short form approval
Issuance Date: 03/31/99

Contractor: Fluor Hanford

Brief Summary of Relevant Information:

Approval of this NOC allows for the installation and operation of the ETF Load-In Station Filter Skid filtration unit for filtering wastewater as it is received from tanker trucks and closed containers. The skid contains 3 filters and associated piping assembled as a single unit in a frame.

**DOWNGRADE OF 296-A-22 EVAPORATOR EMISSION UNIT FROM A NESHAP
STACK TO A NON-DESIGNATED STACK, REV. 0**

Permit Type: Radioactive Air Emissions
Program Notice of Construction
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: AIR 98-704
Issuance Date: 07/09/98

Contractor: Fluor Hanford

Brief Summary of Relevant Information:

This NOC allowed the downgrade of 296-A-22 Evaporator emission unit from a NESHAP stack to a non-designated stack. The monitoring system will need to operate continuously during all campaigns. The release fraction of E-12 used for calculating the potential-to-emit is approved for only this process and facility.

**DOWNGRADE OF 296-A-22 EVAPORATOR EMISSION UNIT FROM A NESHP
STACK TO A NON-DESIGNATED STACK, REV. 1**

Permit Type: Radioactive Air Emissions
Program Notice of Construction
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: AIR 98-808

Contractor: Fluor Hanford

Issuance Date: 08/24/98

Brief Summary of Relevant Information:

This letter corrects a misidentified isotope, and clarifies a monitoring requirement for I-129 that appeared in an earlier WDOH letter (AIR 98-704). The isotope should be Pu-239 and not Pu-339. Monitoring for I-129 needs to occur only when this isotope exceeds 10% of the PTE.

PURGEWATER MODUTANKS, REV. 0

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: AIR 91-803

Contractor: Bechtel Hanford, Inc.

Issuance Date: 08/27/91

Brief Summary of Relevant Information:

Approval of this NOC allows for solar evaporation of the Hanford Site purgewater. Purgewater includes excess groundwater produced during groundwater monitoring, sampling, and related activities. Approval was received on August 27, 1991 and continues to be in use. The NOC was modified as noted in ERC Team Meeting Minutes 061388 dated July 9, 1998 and approved by WDOH on January 8, 1999.

PURGEWATER MODUTANKS, REV. 0A

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: Meeting minutes
Issuance Date: 07/09/98

Contractor: Bechtel Hanford, Inc.

Brief Summary of Relevant Information:

Approval of this NOC allows for solar evaporation of the Hanford Site purgewater. Purgewater includes excess groundwater produced during groundwater monitoring, sampling, and related activities. Approval was received on August 27, 1991 and continues to be in use. The NOC was modified on as noted in ERC Team Meeting Minutes 061388 dated July 9, 1998 and approved by WDOH on January 8, 1999.

PURGEWATER MODUTANKS, REV. 1

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☐ New ☒

DOE Office: Richland Operations Office

Permit Number: AIR 99-101
Issuance Date: 01/08/99

Contractor: Bechtel Hanford, Inc.

Brief Summary of Relevant Information:

Approval of this NOC allows for solar evaporation of the Hanford Site purgewater. Purgewater includes excess groundwater produced during groundwater monitoring, sampling, and related activities. Approval was received on August 27, 1991 and continues to be in use. The NOC was modified as noted in ERC Team Meeting Minutes 061388 dated July 9, 1998 and approved by WDOH on January 8, 1999.

**219-S WASTE HANDLING FACILITY SECONDARY CONTAINMENT UPGRADE
(PROJECT W-178)**

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☒ New ☐

DOE Office: Richland Operations Office

Approval: Letter

Contractor: Fluor Hanford

Issuance Date: 07/26/95

Brief Summary of Relevant Information:

This approval to construct allows for removal of old piping at 219-S, installation of new SS catch basin liners, piping, and installation of a new TK-104 tank.

**219-S WASTE HANDLING FACILITY SECONDARY CONTAINMENT UPGRADE
(PROJECT W-178), REV. 0A**

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: NOC revision approval

Contractor: Fluor Hanford

Issuance Date: 01/20/99

Brief Summary of Relevant Information:

This NOC approval allows for the construction and operation of the 219-S Support Building and enclosure over Cells A and B in the 219-S Waste Handling Facility. The 219-S Support Building is a pre-engineered structure with an attached and enclosed staging area.

219-S WASTE HANDLING FACILITY SECONDARY CONTAINMENT UPGRADE (PROJECT W-178), REV. 0B

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: NOC revision approval
Issuance Date: 03/11/99

Contractor: Fluor Hanford

Brief Summary of Relevant Information:

These NOC revisions affect the Introduction Section, the Process Description Section, the Control System Section, and the Monitoring System Section of the 12/7/95 NOC. In addition to tank upgrades, a 25' X 27' wood frame enclosure with metal siding and a removable roof will be constructed above Cells A and B on an existing foundation. The enclosure over Cells A and B will allow for the movement of large equipment to and from the cell area.

The exhaust equipment, will be operated intermittently when entries are made to the vault area, and consists of a portable, powered HEPA filtered unit rated at 1500 cfm. This emission unit exhausts the vault area only, and does not exhaust the tank system.

219-S TO 204-AR TRUCK TRANSFERS

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: AIR-91-Nov1
Issuance Date: 11/12/91

Contractor: Fluor Hanford

Brief Summary of Relevant Information:

Approval of this NOC allows for truck transfers of waste from the 219-S Waste Handling Facility to the 204-AR Waste Unloading Station in accordance with descriptions contained in the application. Routine transfers of waste from the 219-S Waste Handling Facility in the 222-S Laboratory Complex, located in the 200 West Area, to the 204-AR Waste Unloading Station, located in the 200 East Area, are required to remove waste from the 222-S Laboratory Complex to the Double-Shell Tank System.

The approval requires that log sheets documenting radiological contamination, gallons transferred, and estimated emissions be kept and submitted annually with the PTRAEU report. This NOC was revised and approved by WDOH on 1/19/99.

219-S TO 204-AR TRUCK TRANSFERS, REV. 0A

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: NOC revision approval
Issuance Date: 01/19/99

Contractor: Fluor Hanford

Brief Summary of Relevant Information:

Approval of this NOC allows for truck transfers of waste from the 219-S Waste Handling Facility to the 204-AR Waste Unloading Station in accordance with descriptions contained in the application. Routine transfers of waste from the 219-S Waste Handling Facility in the 222-S Laboratory Complex, located in the 200 West Area, to the 204-AR Waste Unloading Station, located in the 200 East Area, are required to remove waste from the 222-S Laboratory Complex to the DST System.

This NOC approval allows the submittal of log sheets excluding emission estimates be continued.

222-S LABABORATORY HOT CELL EXPANSION

Permit Type: Nonradioactive Air Emissions
Program NOC
WAC 173-400, WAC 173-460

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: Letter
Issuance Date: 07/13/92

Contractor: Fluor Hanford

Brief Summary of Relevant Information:

Approval of this NOC allows an environmental hot cell addition at 222-S which will provide 7 additional hot cells to support increased demand for analytical services.

222-S LABORATORY HOT CELL EXPANSION

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: AIR-Feb11
Issuance Date: 02/28/92

Contractor: Fluor Hanford

Brief Summary of Relevant Information:

Approval of this NOC allows for pre-construction approval and operation of an environmental hot cell addition at 222-S.

WASTE SAMPLING AND CHARACTERIZATION FACILITY, REV. 0

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: EPS 90-275
Issuance Date: 06/11/90

Contractor: Fluor Hanford

Brief Summary of Relevant Information:

Approval of this NOC allows construction of the WSCF in the 600 Area using approved radionuclide air emissions control equipment in accordance with descriptions contained in the application. The WSCF provides the sample analyses necessary to support remediation on the Hanford Site. This NOC was revised and approved by WDOH on 1/19/99.

WASTE SAMPLING AND CHARACTERIZATION FACILITY, REV. 0A

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☐ New ☒

DOE Office: Richland Operations Office

Permit Number: NOC revision approval
Issuance Date: 01/19/99

Contractor: Fluor Hanford

Brief Summary of Relevant Information:

Approval of this NOC allows construction of the WSCF in the 600 Area using approved radionuclide air emissions control equipment in accordance with descriptions contained in the application. The WSCF provides the sample analyses necessary to support remediation on the Hanford Site. This approval is a revision to the original NOC.

WASTE SAMPLING AND CHARACTERIZATION FACILITY, REV. 0B

Permit Type: Radioactive Air Emissions
Program Notice of Construction
WAC 246-247

Permitting Agency: WDOH

Existing ☐ New ☒

DOE Office: Richland Operations Office

Permit Number: NOC revision approval
Issuance Date: 03/11/99

Contractor: Fluor Hanford

Brief Summary of Relevant Information:

This NOC revised Section 1.0, Source Term Description and Release Rates, to remove sample acceptance criteria information that is irrelevant to the source term calculations. The revision removed the dose rate acceptance criteria of 10 millirem per hour.

PLUTONIUM FINISHING PLANT LOW-LEVEL WASTE TREATMENT FACILITY

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: AIR 92-710

Contractor: Fluor Hanford

Issuance Date: 07/30/92

Brief Summary of Relevant Information:

Approval of this NOC allows construction of the PFP Low-Level Waste Treatment Facility using approved radionuclide air emissions control equipment. This facility treats low-level wastewater from the PFP. No revisions of the Radioactive Air Emissions Program NOC have been submitted.

PLUTONIUM FINISHING PLANT DUCT WORK AND PROCESS PIPING REMEDICATION, REV. 0

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☒ New ☐

DOE Office: Richland Operations Office

Approval: Letter

Contractor: Fluor Hanford

Issuance Date: 11/22/95

Brief Summary of Relevant Information:

Ductwork and Process Piping Remediation in Buildings 234-5Z and 291-Z.

**PLUTONIUM FINISHING PLANT DUCT WORK AND PROCESS PIPING
REMEDATION, REV. 0A**

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☒ New ☐

DOE Office: Richland Operations Office

Approval: Letter

Contractor: Fluor Hanford

Issuance Date: 09/03/96

Brief Summary of Relevant Information:

Approval of this NOC allows an additional 35-foot segment of small diameter vacuum process piping to be remediated under the same conditions of a previously approved NOC. The additional 35 feet of piping has a source term of about 2 kilograms of plutonium. This additional work will not have a dose potential exceeding 0.1 millirem per year.

**PLUTONIUM FINISHING PLANT DUCT WORK AND PROCESS PIPING
REMEDATION, REV. 0**

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: AIR 95-1102

Contractor: Fluor Hanford

Issuance Date: 11/07/95

Brief Summary of Relevant Information:

Ductwork and Process Piping Remediation in Buildings 234-5Z and 291-Z.

PLUTONIUM FINISHING PLANT DUCT WORK AND PROCESS PIPING REMEDiation, REV. 0A

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: Routine Technical
Assistance Meeting

Contractor: Fluor Hanford

Issuance Date: 07/09/96

Brief Summary of Relevant Information:

Approval of this NOC allows an additional 35-foot segment of small diameter vacuum process piping to be remediated under the same conditions of a previously approved NOC. The additional 35 feet of piping has a source term of about 2 kilograms of plutonium. This additional work will not have a dose potential exceeding 0.1 millirem per year.

PLUTONIUM FINISHING PLANT MAGNESIUM HYDROXIDE PRECIPITATION PROCESS

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☐ New ☒

DOE Office: Richland Operations Office

Approval: Letter

Contractor: Fluor Hanford

Issuance Date: 03/21/2000

Brief Summary of Relevant Information:

EPA approval to construct the magnesium hydroxide precipitation process at the PFP. Because of the physical separation between PFP and the Kaiser Aluminum facility and the low abated emissions predicted, no additional air dispersion modeling to obtain permission to construct is required.

PLUTONIUM FINISHING PLANT MAGNESIUM HYDROXIDE PRECIPITATION PROCESS

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☐ New ☒

DOE Office: Richland Operations Office

Permit Number: AIR 00-801
Issuance Date: 08/25/2000

Contractor: Fluor Hanford

Brief Summary of Relevant Information:

This NOC for the Magnesium Hydroxide Precipitation Process at PFP allows PFP to process, stabilize, and package, for interim storage, a liquid plutonium nitrate solution. This approval voids the previous approval letter AIR 00-402 dated 04/06/2000.

PFP (234-5-Z) STABILIZATION OF PLUTONIUM METAL OXIDES IN MUFFLE FURNACES AT THE PLUTONIUM FINISHING PLANT, REV. 0

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☒ New ☐

DOE Office: Richland Operations Office

Approval: Letter
Issuance Date: 02/18/97

Contractor: Fluor Hanford

Brief Summary of Relevant Information:

This approved application allows for the thermal stabilization of plutonium metals and oxides in the muffle furnaces at the Plutonium Finishing Plant.

**PFP (234-5-Z) STABILIZATION OF PLUTONIUM METAL OXIDES IN MUFFLE
FURNACES AT THE PLUTONIUM FINISHING PLANT, REV. 0A**

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☒ New ☐

DOE Office: Richland Operations Office

Approval: Letter

Contractor: Fluor Hanford

Issuance Date: 02/05/99

Brief Summary of Relevant Information:

This approval allows minor process description changes to NOC "Radioactive Air Emissions NOC for Stabilization of Plutonium Metal Oxides in the Muffle Furnaces at the Plutonium Finishing Plant".

**PFP (234-5-Z) STABILIZATION OF PLUTONIUM METAL OXIDES IN MUFFLE
FURNACES AT THE PLUTONIUM FINISHING PLANT, REV. 0**

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: AIR 96-1205

Contractor: Fluor Hanford

Issuance Date: 12/18/96

Brief Summary of Relevant Information:

Approval of this NOC allows for the thermal stabilization of plutonium metals and oxides in the muffle furnaces at the Plutonium Finishing Plant.

PFP (234-5-Z) STABILIZATION OF PLUTONIUM METAL OXIDES IN MUFFLE FURNACES AT THE PLUTONIUM FINISHING PLANT, REV. 0A

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: Routine Technical
Assistance Meeting

Contractor: Fluor Hanford

Issuance Date: 09/01/98

Brief Summary of Relevant Information:

This approval allows minor process description changes to NOC (previously approved on AIR 96-1205) "Radioactive Air Emissions NOC for Stabilization of Plutonium Metal Oxides in the Muffle Furnaces at the Plutonium Finishing Plant". There were no WDOH conditions related to this approval but approval conditions are identified in the AIR 96-1205.

MINOR DESCRIPTIVE CHANGE TO ALLOW LOSS OF IGNITION TEST FLEXIBILITY, MUFFLE FURNACES, REV. 0B

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☐ New ☒

DOE Office: Richland Operations Office

Permit Number: NOC revision approval

Contractor: Fluor Hanford

Issuance Date: 03/27/2000

Brief Summary of Relevant Information:

This NOC revision provided minor description changes to the 5th paragraph of section 6.0 of DOE/RL-96-79, Rev. 0 (approval AIR 96-1205). The revised text provides increased flexibility to allow additional equipment in other rooms in the lab to perform the Loss of Ignition test and to allow variable length test duration.

**MINOR DESCRIPTIVE CHANGE TO ALLOW LOSS OF IGNITION TEST
FLEXIBILITY AND SUPER FLUID EXTRACTION TEST FLEXIBILITY, MUFFLE
FURNACES, REV. 0C**

Permit Type: Radioactive Air Emissions
Program Notice of Construction
WAC 246-247

Permitting Agency: WDOH

Existing ☐ New ☒

DOE Office: Richland Operations Office

Permit Number: NOC revision approval
Issuance Date: 06/15/2000

Contractor: Fluor Hanford

Brief Summary of Relevant Information:

A minor description change was made to the 4th paragraph of Section 1.0, which had previously stated that pyrolysis of polycubes would be addressed in a separate NOC. The existing process for the muffle furnace is adequate to address the polycubes. There are no changes in the potential-to-emit or in control equipment because of this revision.

In addition, a minor description change was made to the 5th paragraph of Section 6.0, which had previously been revised in the NOC revision form (DOE/RL-96-79, Rev 0B at the Routine Technical Assistance Meeting held on March 21, 2000).

A new 6th paragraph was added to provide a description of a modified packaging system [the bagless transfer system (BTS)] and to increase flexibility by allowing alternative testing for moisture content [i.e., supercritical fluid extraction (SFE) testing] as an alternative to the loss of ignition (LOI) test.

**PLUTONIUM FINISHING PLANT AGITATOR/SAMPLE PROBE REPAIR
(TANKS D-5 AND D-8) AT THE 241-Z**

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☒ New ☐

DOE Office: Richland Operations Office

Approval: Letter
Issuance Date: 04/01/99

Contractor: Fluor Hanford

Brief Summary of Relevant Information:

Approval of this application allows for agitator/sample probe repair in tanks D-5 and D-8 at the 241-Z Building.

PLUTONIUM FINISHING PLANT AGITATOR/SAMPLE PROBE REPAIR (TANKS D-5 AND D-8) AT THE 241-Z

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: Routine Technical
Assistance Meeting

Contractor: Fluor Hanford

Issuance Date: 02/23/99

Brief Summary of Relevant Information:

Approval of this NOC allows for agitator/sample probe repair in tanks D-5 and D-8 at the 241-Z Building.

VERTICAL CALCINER AT PLUTONIUM FINISHING PLANT

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☒ New ☐

DOE Office: Richland Operations Office

Approval: Letter

Contractor: Fluor Hanford

Issuance Date: 10/03/96

Brief Summary of Relevant Information:

Approval of this NOC allows the construction, installation, and operation of the vertical calciner at 234-5Z Building. The plutonium and transuranic solutions will be stabilized to a plutonium oxide. Once this meets the DOE Order 3013 requirement for long-term storage, the materials will be placed in the PFP vaults. The vertical calciner also is discussed in the Plutonium Finishing Plant environmental impact statement.

VERTICAL CALCINER AT PLUTONIUM FINISHING PLANT, REV. 0

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: AIR 96-1105

Contractor: Fluor Hanford

Issuance Date: 11/08/96

Brief Summary of Relevant Information:

Approval of this NOC allows the construction, installation, and operation of the vertical calciner at 234-5Z Building. The plutonium and transuranic solutions will be stabilized to a plutonium oxide. Once this meets the DOE Order 3013 requirement for long-term storage, the materials will be placed in the PFP vaults. The vertical calciner also is discussed in the Plutonium Finishing Plant environmental impact statement.

VERTICAL CALCINER AT PLUTONIUM FINISHING PLANT, REV. 0A

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: NOC revision approval

Contractor: Fluor Hanford

Issuance Date: 06/20/99

Brief Summary of Relevant Information:

Approval of this NOC allows for a modification of the existing process within the PFP Complex. The modification allows for the operation of a test calciner in room 188 of the 234-Z Building. This modification did not involve any changes to the potential to emit nor were there any approval conditions associated with it. It affected Section 4, 6, and 12 of the original NOC.

MODIFICATION TO CENTRAL WASTE COMPLEX RADIOACTIVE AIR EMISSION NOC FOR VENTED CONTAINERS

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☒ New ☐

DOE Office: Richland Operations Office

Approval: Letter

Contractor: Fluor Hanford

Issuance Date: 8/26/98

Brief Summary of Relevant Information:

Approval of this NOC (NOC) covers the storage, handling, and transporting of vented containers within the CWC. This NOC is a modification to a previously approved NOC, DOE/RL-95-79.

NONRADIOACTIVE NOC APPROVAL FOR THE CENTRAL WASTE COMPLEX FOR STORAGE OF VENTED WASTE CONTAINERS

Permit Type: Nonradioactive Air Emissions
Program NOC
WAC 173-400, WAC 173-460

Permitting Agency: Ecology

Existing ☐ New ☒

DOE Office: Richland Operations Office

Permit Number: DE00NWP-002

Contractor: Fluor Hanford

Issuance Date: 06/30/2000

Brief Summary of Relevant Information:

Approval of this NOC allows for storage and management of waste containers at CWC. The CWC stationary source consists of multiple sources of diffuse and fugitive emissions. This approval covers storage and inspection, transfer and staging, packaging, treatment and sampling conducted at all existing storage structures within the current CWC TSD boundary including all storage pads and staging areas.

**NONRADIOACTIVE NOC APPROVAL FOR THE CENTRAL WASTE COMPLEX
FOR STORAGE OF VENTED WASTE CONTAINERS, REV. 0A**

Permit Type: Nonradioactive Air Emissions
Program NOC
WAC 173-400, WAC 173-460

Permitting Agency: Ecology

Existing ☐ New ☒

DOE Office: Richland Operations Office

Permit Number: NOC Revision Approval
Issuance Date: 06/27/2000

Contractor: Fluor Hanford

Brief Summary of Relevant Information:

This NOC revision contained minor text changes to Sections 4.0 and 5.2.1 of the original NOC application (DOE/RL-2000-21, Rev. 0). No approval conditions were added, changed, or deleted.

**MODIFICATION TO CENTRAL WASTE COMPLEX RADIOACTIVE AIR EMISSION
NOC FOR VENTED CONTAINERS, REV. 1**

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: Routine Technical
Assistance Meeting
Issuance Date: 08/24/98

Contractor: Fluor Hanford

Brief Summary of Relevant Information:

Approval of this NOC covers the storage, handling, and transporting of vented containers within the CWC. This NOC modifies and is to replace the earlier approved NOC (DOE/RL-95-79, AIR 95-1008) for the CWC.

MODIFICATION TO CENTRAL WASTE COMPLEX RADIOACTIVE AIR EMISSION NOC FOR VENTED CONTAINERS, REV. 1A

Permit Type: Radioactive Air Emissions
Program Notice of Construction
WAC 246-247

Permitting Agency: WDOH

Existing ☐ New ☒

DOE Office: Richland Operations Office

Permit Number: NOC revision approval
Issuance Date: 01/04/2000

Contractor: Fluor Hanford

Brief Summary of Relevant Information:

The approval modifies the periodic confirmatory measurement approval condition of the August 24, 1998 approval order. Weekly smear sampling of 30 NucFil® filters is no longer required. Periodic confirmatory measurement is a quarterly air sample collected for a 2-week interval.

MODULAR CONTAINMENT (PERMACON) FOR SAMPLING ACTIVITIES AT THE CENTRAL WASTE COMPLEX

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☒ New ☐

DOE Office: Richland Operations Office

Approval: Letter

Contractor: Fluor Hanford

Issuance Date: 12/02/98

Brief Summary of Relevant Information:

This approval allows the placement of a modular containment PermaCon unit within the 2404WC building (or similar CWC building) for the purpose of sampling the head space gas within solid waste storage containers.

**MODULAR CONTAINMENT (PERMACON) FOR SAMPLING ACTIVITIES AT THE
CENTRAL WASTE COMPLEX**

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: Routine Technical
Assistance Meeting

Contractor: Fluor Hanford

Issuance Date: 08/18/98

Brief Summary of Relevant Information:

This approval allows the placement of a modular containment PermaCon unit within the 2404WC building (or similar CWC building) for the purpose of sampling the head space gas within solid waste storage containers.

WASTE RECEIVING AND PROCESSING FACILITY

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☒ New ☐

DOE Office: Richland Operations Office

Approval: Letter

Contractor: Fluor Hanford

Issuance Date: 05/10/93

Brief Summary of Relevant Information:

Approval of this application allows construction of WRAP Facility using approved radionuclide air emissions control equipment (Tri-Party Agreement Milestones M-18-00 and M-18-01). WRAP Facility is permitted to examine, assay, characterize, treat, and repackage radioactive and mixed waste.

WASTE RECEIVING AND PROCESSING FACILITY, REV. 0

Permit Type: Nonradioactive Air Emissions
Program NOC
WAC 173-400, WAC 173-460

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: NOC 93-05

Contractor: Fluor Hanford

Issuance Date: 12/13/93

Brief Summary of Relevant Information:

Approval of this NOC allows construction of the WRAP Facility using approved radionuclide air emissions control equipment (Tri-Party Agreement Milestones M-18-00 and M-18-01). The WRAP Facility is permitted to examine, assay, characterize, treat, and repackage radioactive and mixed waste.

WASTE RECEIVING AND PROCESSING FACILITY, REV. 0A

Permit Type: Nonradioactive Air Emissions
Program NOC
WAC 173-400, WAC 173-460

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: NOC revision approval
Issuance Date: 05/13/99

Contractor: Fluor Hanford

Brief Summary of Relevant Information:

Approval of this NOC modifies Approval Order NOC-93-05. Minor corrections to process and equipment descriptions have been made to reflect the current configuration and improve operational flexibility. There is no longer a requirement for opacity monitoring because of the use of HEPA filtration on the stack. Also there is no longer a requirement for stack emission testing for particulates because of the HEPA filtration.

WASTE RECEIVING AND PROCESSING FACILITY, REV. 0

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: AIR93-907
Issuance Date: 09/07/93

Contractor: Fluor Hanford

Brief Summary of Relevant Information:

Approval of this NOC allows construction of WRAP Facility using approved radionuclide air emissions control equipment (Tri-Party Agreement Milestones M-18-00 and M-18-01). WRAP Facility is permitted to examine, assay, characterize, treat, and repackage radioactive and mixed waste. This NOC has been revised to reflect current operating conditions and approved by WDOH on 1/20/99.

WASTE RECEIVING AND PROCESSING FACILITY, REV. 0A

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: Routine Technical
Assistance Meeting

Contractor: Fluor Hanford

Issuance Date: 07/09/96

Brief Summary of Relevant Information:

Approval of changes to the WRAP 1 stack monitoring system.

WASTE RECEIVING AND PROCESSING FACILITY, REV. 0B

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: NOC revision approval

Contractor: Fluor Hanford

Issuance Date: 01/20/99

Brief Summary of Relevant Information:

This NOC approval is for operation of the WRAP facility and reflects a revision to the original NOC approval dated 9/7/93, AIR 93-907. This NOC modifies the description of the WRAP operations.

WASTE RECEIVING AND PROCESSING FACILITY, REV. 0C

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: NOC revision approval

Contractor: Fluor Hanford

Issuance Date: 05/04/99

Brief Summary of Relevant Information:

This NOC approval is for operation of the WRAP facility and reflects a revision to the original NOC approval dated 9/7/93, AIR 93-907. This NOC modifies the description of the WRAP operations.

TRENCH 31: LEACHATE COLLECTION AND STORAGE TANK (LLBG MIXED WASTE DISPOSAL)

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☒ New ☐

DOE Office: Richland Operations Office

Approval: Letter

Contractor: Fluor Hanford

Issuance Date: 07/15/99

Brief Summary of Relevant Information:

Approval of this application allows operation of a leachate collection tank at Trench 31 in the 200 West Area Burial Ground. Approximately 415,000 gallons per year could be transferred to tanker trucks for disposal at a treatment facility. Trench 31 is passively vented via a liquid overflow pipe.

TRENCH 31: LEACHATE COLLECTION AND STORAGE TANK (LLBG MIXED WASTE DISPOSAL), REV. 0

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: Routine Technical
Assistance Meeting

Contractor: Fluor Hanford

Issuance Date: 07/13/99

Brief Summary of Relevant Information:

Approval of this NOC allows operation of a leachate collection tank at Trench 31 in the 200 West Area Burial Ground. Approximately 415,000 gallons per year could be transferred to tanker trucks for disposal in the burial grounds or a treatment facility. Trench 31 is passively vented via a liquid overflow pipe.

TRENCH 31: LEACHATE COLLECTION AND STORAGE TANK (LLBG MIXED WASTE DISPOSAL), REV. 0A

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☐ New ☒

DOE Office: Richland Operations Office

Permit Number: Routine Technical
Assistance Meeting

Contractor: Fluor Hanford

Issuance Date: 08/03/99

Brief Summary of Relevant Information:

This approval was a modification to the 7/13/99 NOC requiring periodic confirmatory measurement (PCM) be implemented. Trench 31 is passively vented via a liquid overflow pipe. The PCM shall consist of smearing the overflow pipe before and after emptying the tank. When the tank is not empty, a monthly smear shall be taken. The frequency of smear samples shall be reassessed after one year.

TRENCH 34: LEACHATE COLLECTION AND STORAGE TANK (LLBG MIXED WASTE DISPOSAL)

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☐ New ☒

DOE Office: Richland Operations Office

Approval: Letter

Contractor: Fluor Hanford

Issuance Date: 07/15/99

Brief Summary of Relevant Information:

Approval of this application allows operation of a leachate collection tank at Trench 34 in the 200 West Area Burial Ground. Approximately 415,000 gallons per year could be transferred to tanker trucks for disposal at a treatment facility. Trench 34 is passively vented via a liquid overflow pipe.

TRENCH 34: LEACHATE COLLECTION AND STORAGE TANK (LLBG MIXED WASTE DISPOSAL), REV. 0

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: Routine Technical
Assistance Meeting

Contractor: Fluor Hanford

Issuance Date: 07/13/99

Brief Summary of Relevant Information:

Approval of this NOC allows operation of a leachate collection tank at Trench 34 in the 200 West Area Burial Ground. Approximately 415,000 gallons per year could be transferred to tanker trucks for disposal in the burial grounds or a treatment facility. Trench 34 is passively vented via a liquid overflow pipe.

TRENCH 34: LEACHATE COLLECTION AND STORAGE TANK (LLBG MIXED WASTE DISPOSAL), REV. 0A

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☐ New ☒

DOE Office: Richland Operations Office

Permit Number: Routine Technical
Assistance Meeting

Contractor: Fluor Hanford

Issuance Date: 08/03/99

Brief Summary of Relevant Information:

This approval was a modification to the 7/13/99 NOC requiring periodic confirmatory measurement (PCM) be implemented. Trench 34 is passively vented via a liquid overflow pipe. The PCM shall consist of smearing the overflow pipe before and after emptying the tank. When the tank is not empty, a monthly smear shall be taken. The frequency of smear samples shall be reassessed after one year.

T PLANT COMPLEX SECONDARY CONTAINMENT AND LEAK DETECTION UPGRADES

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☒ New ☐

DOE Office: Richland Operations Office

Approval: Letter

Contractor: Fluor Hanford

Issuance Date: 09/03/96

Brief Summary of Relevant Information:

This approval allows secondary containment and leak detection upgrades to be initiated at T Plant Complex. The approval also allows an increase in waste and equipment handling activities in the upgraded 2706-T/2706-TA/2706-TB facilities. The increase in waste and equipment handling activities are not expected to increase potential emissions by more than a factor of five.

T PLANT COMPLEX SECONDARY CONTAINMENT AND LEAK DETECTION UPGRADES

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: Routine Technical
Assistance Meeting

Contractor: Fluor Hanford

Issuance Date: 06/12/96

Brief Summary of Relevant Information:

This approval allows secondary containment and leak detection upgrades to be initiated at T Plant Complex. The approval also allows an increase in waste and equipment handling activities in the upgraded 2706-T/2706-TA/2706-TB facilities. The increase in waste and equipment handling activities are not expected to increase potential emissions by more than a factor of five.

REDOX (202-S) PLUTONIUM LOADOUT HOOD

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☐ New ☒

DOE Office: Richland Operations Office

Approval: Letter

Contractor: Bechtel Hanford, Inc.

Issuance Date: 02/04/2000

Brief Summary of Relevant Information:

This approval allows the following actions: (1) removing Lexan panels on the glove box and installing a glovebag, (2) cap the contents with a thin layer of "Aquaset" which is non-reactive and then a layer of self leveling grout, (3) Change text in the third paragraph, second sentence to read "The current abated emissions from the 296-S-2 stack are very low and upon regulatory concurrence, the 296-S-2 stack will be deactivated, dampered shut, blanked, and capped."

REDOX (202-S) PLUTONIUM LOADOUT HOOD STABILIZATION, REV. 0

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☐ New ☒

DOE Office: Richland Operations Office

Permit Number: Shortform Approval

Contractor: Bechtel Hanford, Inc.

Issuance Date: 11/22/99

Brief Summary of Relevant Information:

This NOC approval allows for the safe and systematic method of stabilizing the 202-S Plutonium Loadout Hood by removing or fixing the contents of the sump, spraying a fixative within the hood, decontaminating the backside of the Plutonium Loadout Hood, and removing the L-16 to H-4 line.

REDOX (202-S) PLUTONIUM LOADOUT HOOD STABILIZATION, REV 0A.

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☐ New ☒

DOE Office: Richland Operations Office

Permit Number: NOC revision approval
Issuance Date: 03/07/2000

Contractor: Bechtel Hanford, Inc.

Brief Summary of Relevant Information:

This NOC revision allows the following actions: (1) removing Lexan panels on the glove box and installing a glovebag, (2) cap the contents with a thin layer of "Aquaset" which is non-reactive and then a layer of self leveling grout, (3) Change text in the third paragraph, second sentence to read "The current abated emissions from the 296-S-2 stack are very low and upon regulatory concurrence, the 296-S-2 stack will be deactivated, dampered shut, blanked, and capped".

REDOX (202-S) PLUTONIUM LOADOUT HOOD STABILIZATION, REV 0B

Permit Type: Radioactive Air Emissions
Program Notice of Construction
WAC 246-247

Permitting Agency: WDOH

Existing ☐ New ☒

DOE Office: Richland Operations Office

Permit Number: NOC revision approval
Issuance Date: 04/25/2000

Contractor: Bechtel Hanford, Inc.

Brief Summary of Relevant Information:

This NOC revision modifies Section 3, Proposed Action as follows: Change text reading "(2) removing any liquid (if present) currently in the sump if possible, and/or capping the sump with a self leveling grout," to the following "(2) placing an adsorbent material on the sump,". Delete text reading "(5) removal of the L-16 to H-4 (a single tube) line which is 2-inch in diameter reducing to a 1-in diameter in size and is 37 to 50 foot in length."

300 AREA FUEL SUPPLY DEACTIVATION ACTIVITIES, REV.1

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☒ New ☐

DOE Office: Richland Operations Office

Approval: Letter

Contractor: Fluor Hanford

Issuance Date: 08/22/97

Brief Summary of Relevant Information:

Approval of the original Application to Construct (October 3, 1996) allowed for decontamination, dismantling, and removing equipment and structures contaminated with radiological materials from the 300 Area fuel supply shutdown facilities.

While performing radiological material decontamination activities, it was determined that the work could not be completed under the terms and conditions of the NOC. Consequently, this Revision 1 of the NOC application was submitted to the EPA in July 1997.

This revision gives approval to perform basic cleanout, shutdown, and stabilization activities in 303A&B, 303E&G, 3712, 3716, 313, 333, 303K/3707G, 334, 334A, 311 outside storage and transfer area, and the 303F pumphouse. These buildings comprise the 300 Area Fuel Supply Shutdown Facilities.

This application to construct/NOC is also known as the "300 Area Fuel Supply Shutdown Facilities".

A series of Hanford Facility NOC revision forms constituting Revision 2 of the corresponding WDOH permit were submitted to WDOH subsequent to Revision 1. EPA approval was not necessary per correspondence letter dated 7/6/99.

300 AREA FUEL SUPPLY DEACTIVATION ACTIVITIES, REV.1

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: AIR 97-803

Contractor: Fluor Hanford

Issuance Date: 08/13/97

Brief Summary of Relevant Information:

Approval of the original NOC allowed the decontamination, dismantling, and removing equipment and structures contaminated with radiological materials from the 300 Area fuel supply shutdown facilities.

While performing radiological material decontamination activities, it was determined that the work could not be completed under the terms and conditions of the NOC. Consequently, this revision of the NOC application was submitted in July 1997. This revision gives approval to perform basic cleanout, shutdown, and stabilization activities in 303 A and B, 303E and G, 3712, 3716, 313, 333, 303K/3707G, 334, 334A, 311 outside storage and transfer area, and the 303F pumphouse. These building comprise the 300 Area Fuel Supply Shutdown Facilities.

This NOC is also known as the "300 Area Fuel Supply Shutdown Facilities".

300 AREA FUEL SUPPLY SHUTDOWN ACTIVITIES, REV.2

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: NOC revision approval

Contractor: Fluor Hanford

Issuance Date: 02/17/99

Brief Summary of Relevant Information:

Approval of this NOC (300 Area Fuel Supply Shutdown Activities, Rev. 2) allows for the dismantling, and removing equipment and structures contaminated with radiological materials from the 300 Area fuel supply shutdown facilities. A series of Hanford Facility NOC revision forms constituting Revision 2 of this permit were prepared to correct deficiencies identified in the NOC and submitted to the WDOH. EPA approval was not necessary.

300 AREA FUEL SUPPLY DEACTIVATION ACTIVITIES, REV. 2A

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☐ New ☒

DOE Office: Richland Operations Office

Permit Number: NOC revision approval
Issuance Date: 10/13/99

Contractor: Fluor Hanford

Brief Summary of Relevant Information:

This NOC approval updates Section 13 of the 300 Area Fuel Supply Shutdown Facilities Deactivation Activities NOC to accurately reflect the design and operating standards under which the HEPA filter vacuum cleaner units will operate.

300 AREA PROCESS SEWER CLEANOUT

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☐ New ☒

DOE Office: Richland Operations Office

Approval: Letter
Issuance Date: 08/18/2000

Contractor: Fluor Hanford

Brief Summary of Relevant Information:

EPA approval to construct for the 300 Area process sewer cleanout project.

300 AREA PROCESS SEWER CLEANOUT

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☐ New ☒

DOE Office: Richland Operations Office

Permit Number: air 00-708

Contractor: Fluor Hanford

Issuance Date: 07/27/2000

Brief Summary of Relevant Information:

Work approved in this NOC is limited to those described activities associated with the construction and operation activities involving the cleanout of selected process sewer lines in the 300 Area. Included is pressure washing of lines between Process Sewer 45, Process Sewer 80, Process Sewer 80, and the 300 Area Lift Station. The liquid/soil mixture removed will be pumped into a tank trailer for transportation to the 307 Basins. The Guzzler will be used to clean Process Sewer 16.

DECONTAMINATION AND STABILIZATION ACTIVITIES FOR 309 PLUTONIUM RECYCLE TEST REACTOR

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☒ New ☐

DOE Office: Richland Operations Office

Approval: Letter

Contractor: Fluor Hanford

Issuance Date: 11/08/98

Brief Summary of Relevant Information:

Approval of this application to construct allows for decontamination and stabilization activities necessary to place the 309 PRTR in a safe condition for long-term surveillance and maintenance until the facility undergoes decontamination and demolition. The proposed activities involve housekeeping, decontamination, stabilization, and removal of radiologically contaminated liquid and materials (e.g., hand tools, scaffolding, I-Beam, etc.)

**DECONTAMINATION AND STABILIZATION ACTIVITIES FOR 309 PLUTONIUM
RECYCLE TEST REACTOR, REV. 0**

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: Shortform Approval
Issuance Date: 08/18/98

Contractor: Fluor Hanford

Brief Summary of Relevant Information:

Approval of this NOC allows for decontamination and stabilization activities necessary to place the 309 PRTR in a safe condition for long-term surveillance and maintenance until the facility undergoes decontamination and demolition. The proposed activities involve housekeeping, decontamination, stabilization, and removal of radiologically contaminated liquid and materials (e.g., hand tools, scaffolding, I-Beam, etc.).

**DECONTAMINATION AND STABILIZATION ACTIVITIES FOR 309 PLUTONIUM
RECYCLE TEST REACTOR, REV. 0A**

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☐ New ☒

DOE Office: Richland Operations Office

Permit Number: NOC revision approval
Issuance Date: 09/08/99

Contractor: Fluor Hanford

Brief Summary of Relevant Information:

Approval of this NOC allows the use of a broom/dust mop and floor sweeping compounds for decontamination or stabilization activities. There is no change in the potential to emit. EPA approval was not required for this revision.

CLEANOUT OF B-CELL IN THE 324 BUILDING

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: AIR 95-903

Contractor: Fluor Hanford

Issuance Date: 09/18/95

Brief Summary of Relevant Information:

Approval of this Notice of Construction allows the construction and operation of B Cell cleanout activities.

ISOLATION OF RADIOACTIVE LIQUID WASTE SYSTEM LINE IN VALVE BOX 11 OUTSIDE THE 324 FACILITY

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☐ New ☒

DOE Office: Richland Operations Office

Permit Number: Shortform Approval

Contractor: Fluor Hanford

Issuance Date: 07/07/99

Brief Summary of Relevant Information:

This NOC allows for physical isolation of the Radioactive Liquid Waste System in Valve Box-11. Isolation is accomplished by cutting out approximately 12 inches of a 2-inch diameter line, including a ball valve, and capping each end of the remaining pipe. Work is scheduled to begin in calendar year 2000. It was determined by the Air & Water Services Group that this NOC does not require the approval of EPA.

340-A BUILDING TANK SLUDGE CLEANOUT

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☒ New ☐

DOE Office: Richland Operations Office

Approval: Letter

Contractor: Fluor Hanford

Issuance Date: 07/17/97

Brief Summary of Relevant Information:

This approval allows removal of 340A Building tank solids. Future solids removal campaigns will be performed on an as-needed basis to support as low as reasonably achievable (ALARA) practices and/or principles. No more than one tank solids removal campaign will be performed during any given annual period.

340-A BUILDING TANK SOLIDS REMOVAL

Permit Type: Nonradioactive Air Emissions
Program NOC
WAC 173-400, WAC 173-460

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: 97NM-137

Contractor: Fluor Hanford

Issuance Date: 05/05/97

Brief Summary of Relevant Information:

Approval of this NOC allows removal of 340A Building tank solids. Future solids removal campaigns will be performed on an as-needed basis to support ALARA practices and/or principles. No more than one tank solids removal campaign will be performed during any given annual period.

340-A BUILDING TANK SLUDGE CLEANOUT

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: AIR 97-604

Contractor: Fluor Hanford

Issuance Date: 06/19/97

Brief Summary of Relevant Information:

Approval of this NOC allows removal of 340A Building tank solids. Future solids removal campaigns will be performed on an as-needed basis to support ALARA practices and/or principles. No more than one tank solids removal campaign will be performed during any given annual period.

RADIOLOGICAL COUNTING FACILITY, REV. 1

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☒ New ☐

DOE Office: Richland Operations Office

Approval: Letter

Contractor: Bechtel Hanford, Inc.

Issuance Date: 10/27/99

Brief Summary of Relevant Information:

Modification of the radiological counting facility (RCF) NOC that allows for an increase in the sample load. This emission point exhausts air from trailer MO-423 (formerly part of the EAL Facility).

RADIOLOGICAL COUNTING FACILITY, REV. 1A

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☐ New ☒

DOE Office: Richland Operations Office

Approval: Letter

Contractor: Bechtel Hanford, Inc.

Issuance Date: 06/13/2000

Brief Summary of Relevant Information:

Modification of this approval to construct allows relocation of the RCF facility to the 300 Area of the Hanford Site. This emission point exhausts air from trailer MO-423. The trailer was moved to the 300 Area in August 2000 (formerly part of the EAL Facility).

RADIOLOGICAL COUNTING FACILITY, REV. 1

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☐ New ☒

DOE Office: Richland Operations Office

Permit Number: Shortform Approval

Contractor: Bechtel Hanford, Inc.

Issuance Date: 08/13/99

Brief Summary of Relevant Information:

Modification of the RCF NOC that allows for an increase of the sample load. This emission point exhausts air from trailer MO-423 (formerly part of the EAL Facility).

RADIOLOGICAL COUNTING FACILITY, REV. 1

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☐ New ☒

DOE Office: Richland Operations Office

Permit Number: Shortform Approval
Issuance Date: 05/04/2000

Contractor: Bechtel Hanford, Inc.

Brief Summary of Relevant Information:

Modification of this NOC allows relocation of the RCF facility to the 300 Area. This emission point exhausts air from trailer MO-423. The trailer was moved to the 300 Area in August 2000 (formerly part of the EAL Facility).

ENVIRONMENTAL MOLECULAR SCIENCES LABORATORY, REV. 0

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☒ New ☐

DOE Office: Richland Operations Office

Approval: Letter

Contractor: Pacific Northwest National
Laboratory

Issuance Date: 07/06/94

Brief Summary of Relevant Information:

Request to construct and operate an environmental and molecular science research laboratory. The Environmental Molecular Sciences Laboratory (EMSL) is a multi-user laboratory for research and development activities to support environmental restoration and waste management.

**CONSTRUCTION AND OPERATION OF ENVIRONMENTAL MOLECULAR
SCIENCES LABORATORY EMISSION POINTS, REV. 0**

Permit Type: Nonradioactive Air Emissions
Program NOC
WAC 173-400, WAC 173-460

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: NOC-94-08
Issuance Date: 09/12/94

Contractor: Pacific Northwest National
Laboratory

Brief Summary of Relevant Information:

Request to construct and operate an environmental and molecular science research laboratory. The EMSL is a multi-user laboratory for research and development activities to support environmental restoration and waste management.

**CONSTRUCTION AND OPERATIONS OF EMISSION POINTS ENVIRONMENTAL
MOLECULAR SCIENCES LABORATORY, REV. 0A**

Permit Type: Nonradioactive Air Emissions
Program Notice of Construction
WAC 173--400, WAC 173--460

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: NOC 94-08
Issuance Date: 01/05/99

Contractor: Pacific Northwest National
Laboratory

Brief Summary of Relevant Information:

This approval allows a change to Condition #1 of NOC 94-08 dated 9/12/94 whereby changes can be made to accommodate changing research and support requirements providing that the total building emissions meet the acceptable source impact levels (ASILs) and WAC 173-400-110 new source review thresholds. Total building emissions will be the sum of all emission sources in the EMSL building, not otherwise exempt under WAC 173-400 or WAC 173-460.

**ENVIRONMENTAL MOLECULAR SCIENCES LABORATORY CHEMICAL STACK,
REV. 0B**

Permit Type: Nonradioactive Air Emissions
Program Notice of Construction
WAC 173-400, WAC 173-460

Permitting Agency: Ecology

Existing ☐ New ☒

DOE Office: Richland Operations Office

Permit Number: NOC revision approval
Issuance Date: 06/13/2000

Contractor: Pacific Northwest National
Laboratory

Brief Summary of Relevant Information:

The changes incorporated by this NOC revision are to clarify requirements, make conditions consistent with the periodic monitoring and compliance certification requirements of the air operating permit rule, and to revise conditions based on improved operating information gained since start up.

ENVIRONMENTAL MOLECULAR SCIENCES LABORATORY CONSTRUCTION

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: AIR 94-803
Issuance Date: 08/02/94

Contractor: Pacific Northwest National
Laboratory

Brief Summary of Relevant Information:

Request to construct and operate an environmental and molecular science research laboratory. The EMSL is a multi-user laboratory for research and development activities to support environmental restoration and waste management.

**ENVIRONMENTAL MOLECULAR SCIENCES LABORATORY URANYL NITRATE
HEXAHYDRATE PROJECT, REV. 1**

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☐ New ☒

DOE Office: Richland Operations Office

Approval: Letter

Contractor: Pacific Northwest National
Laboratory

Issuance Date: 03/11/98

Brief Summary of Relevant Information:

Approval of this NOC allows the addition of a new process to the EMSL building. The process involves injecting a 10 ml sample of 8 pCi/ml of depleted uranium in the form of uranyl nitrate hexahydrate into an evacuated cryostat chamber, freezing the sample, and making spectroscopic measurements.

**ENVIRONMENTAL MOLECULAR SCIENCES LABORATORY URANYL NITRATE
HEXAHYDRATE PROJECT, REV. 1**

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: Shortform Approval

Contractor: Pacific Northwest National
Laboratory

Issuance Date: 12/16/97

Brief Summary of Relevant Information:

Approval of this NOC allows the addition of a new process to the EMSL building. The process involves injecting a 10 ml sample of 8 pCi/ml of depleted uranium in the form of uranyl nitrate hexahydrate into an evacuated cryostat chamber, freezing the sample, and making spectroscopic measurements.

305-B STORAGE FACILITY MODIFICATION OF ANNUAL POSSESSION QUANTITY

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☐ New ☒

DOE Office: Richland Operations Office

Approval: Letter

Contractor: Pacific Northwest National
Laboratory

Issuance Date: 11/04/98

Brief Summary of Relevant Information:

Approval of this NOC allows for the increase in possession quantity for the 305B Storage Facility.

305-B STORAGE FACILITY GAS CYLINDER MANAGEMENT PROCESS

Permit Type: Nonradioactive Air Emissions
Program NOC
WAC 173-400, WAC 173-460

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: DE 98NWP-003

Contractor: Pacific Northwest National
Laboratory

Issuance Date: 09/01/98

Brief Summary of Relevant Information:

Approval of this NOC allows modifications to the Dangerous & Radioactive Mixed Waste Storage Facility, 305-B Storage Facility operation. The modifications consist of the addition of a Gas Cylinder Management Process (GCMP) to manage the release of the residual contents of gas cylinders that are no longer needed for research operations throughout the laboratory.

305-B STORAGE FACILITY MODIFICATION, REV. 0

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: AIR 95-811

Contractor: Pacific Northwest National
Laboratory

Issuance Date: 08/25/95

Brief Summary of Relevant Information:

Allows the construction of a fume hood in the 305-B Storage Facility for waste sampling and repackaging activities.

305-B STORAGE FACILITY MODIFICATION OF ANNUAL POSSESSION QUANTITY, REV. 1

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: AIR 98-1007

Contractor: Pacific Northwest National
Laboratory

Issuance Date: 10/08/98

Brief Summary of Relevant Information:

Approval of this NOC allows for the increase in possession quantity for the 305-B Storage Facility.

306-W BUILDING X-RAY AND LOW-LEVEL WASTE REPACKAGING

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: Shortform Approval

Contractor: Pacific Northwest National
Laboratory

Issuance Date: 08/04/97

Brief Summary of Relevant Information:

Approval of this Notice of Construction allows for a new process in the 306 W Building. This process involves the x-ray, examination, inspection of low level waste packages, drums, and burial boxes.

306-W BUILDING OPERATION OF MATERIAL DEVELOPMENT LABORATORY AND CATALYTIC ELECTROCHEMICAL OXIDATION UNIT

Permit Type: Nonradioactive Air Emissions
Program NOC
WAC 173--400, WAC 173--460

Permitting Agency: Ecology

Existing ☐ New ☒

DOE Office: Richland Operations Office

Permit Number: DE 98NWP--002
Issuance Date: 06/02/98

Contractor: Pacific Northwest National
Laboratory

Brief Summary of Relevant Information:

Approval of this NOC allows for the installation and operation of a catalytic electrochemical oxidation (CEO) unit in the 306-W Building.

REMOVAL OF HEPA FILTRATION IN THE 318 BUILDING

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: Routine Technical
Assistance Meeting
Issuance Date: 12/07/95

Contractor: Pacific Northwest National
Laboratory

Brief Summary of Relevant Information:

Approval to remove HEPA filtration in the 318 Building.

BUILDING 318 MODIFICATION AND STACK RELOCATION

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☒ New ☐

DOE Office: Richland Operations Office

Approval: Letter

Contractor: Pacific Northwest National
Laboratory

Issuance Date: 03/11/98

Brief Summary of Relevant Information:

Approval of this NOC allows the relocation of the 318 Building exhaust stack to a location above Room 126. The new stack will not have HEPA filtration but will have an isokinetic sampling probe and sampling equipment installed as part of the project.

BUILDING 318 MODIFICATION AND STACK RELOCATION

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: Shortform Approval

Contractor: Pacific Northwest National
Laboratory

Issuance Date: 01/06/98

Brief Summary of Relevant Information:

Approval of this NOC allows the relocation of the 318 Building exhaust stack to a location above Room 126. The new stack will not have HEPA filtration but will have an isokinetic sampling probe and sampling equipment installed as part of the project.

325 BUILDING, REMOVAL OF 3RD STAGE HEPA FILTER

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: Routine Technical
Assistance Meeting

Contractor: Pacific Northwest National
Laboratory

Issuance Date: 11/14/95

Brief Summary of Relevant Information:

Approval to remove 3rd stage HEPA filter due to small amounts of dispersible radioactive contamination in 325 Building.

325 BUILDING HAZARDOUS WASTE TREATMENT UNIT

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☒ New ☐

DOE Office: Richland Operations Office

Approval: Letter

Contractor: Pacific Northwest National
Laboratory

Issuance Date: 09/02/98

Brief Summary of Relevant Information:

Approval of this application allows the construction and operation of the HWTU.

325 BUILDING HAZARDOUS WASTE TREATMENT UNIT

Permit Type: Nonradioactive Air Emissions
Program NOC
WAC 173-400, WAC 173-460

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: DE 98NWP-004
Issuance Date: 09/01/98

Contractor: Pacific Northwest National
Laboratory

Brief Summary of Relevant Information:

Approval of this NOC allows for a larger chemical inventory in the 325 Building in support of the HWTU and Shielded Analytical Laboratory (SAL).

325 BUILDING HAZARDOUS WASTE TREATMENT UNIT

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: AIR 98-909
Issuance Date: 09/15/98

Contractor: Pacific Northwest National
Laboratory

Brief Summary of Relevant Information:

Approval of this NOC allows the construction and operation of the HWTU.

**325 BUILDING, APPLIED CHEMISTRY, LOW-LEVEL WASTE VITRIFICATION
RESEARCH PROGRAM, REV. 0**

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☒ New ☐

DOE Office: Richland Operations Office

Approval: Letter

Contractor: Pacific Northwest National
Laboratory

Issuance Date: 05/07/96

Brief Summary of Relevant Information:

Allows research to be conducted on special nuclear materials disposition and low-level waste vitrification. The research includes slurry and powder feeds and melting, and quenching and annealing of plutonium containing glasses.

**325 BUILDING, LOW-LEVEL WASTE VITRIFICATION RESEARCH PROGRAMS
(PU-238), SPECIAL NUCLEAR MATERIALS DISPOSITION, REV. 1**

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☒ New ☐

DOE Office: Richland Operations Office

Approval: Letter

Contractor: Pacific Northwest National
Laboratory

Issuance Date: 08/27/98

Brief Summary of Relevant Information:

Approval of this NOC allows a modification to the annual possession quantity of the 325 Building Special Nuclear Materials Disposition and Low-Level Waste Vitrification Research Programs. This approval allows a change in inventory for plutonium-238.

**325 BUILDING, APPLIED CHEMISTRY, LOW-LEVEL WASTE VITRIFICATION
RESEARCH PROGRAM, REV. 0**

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: AIR 96-604
Issuance Date: 06/07/96

Contractor: Pacific Northwest National
Laboratory

Brief Summary of Relevant Information:

Allows research to be conducted on special nuclear materials disposition and low-level waste vitrification. The research includes slurry, powder feeds, melting, quenching, and annealing of plutonium containing glasses.

**325 BUILDING, LOW-LEVEL WASTE VITRIFICATION RESEARCH PROGRAMS
(PU-238), SPECIAL NUCLEAR MATERIALS DISPOSITION, REV. 1**

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: AIR 98-807
Issuance Date: 08/20/98

Contractor: Pacific Northwest National
Laboratory

Brief Summary of Relevant Information:

Approval of this NOC allows a modification to the annual possession quantity of the 325 Building Special Nuclear Materials Disposition and Low-Level Waste Vitrification Research Programs. This approval allows a change in inventory for plutonium-238.

325 BUILDING, RADIOCHEMICAL PROCESSING LABORATORY, EMISSION CONTROL

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☒ New ☐

DOE Office: Richland Operations Office

Approval: Letter

Contractor: Pacific Northwest National
Laboratory

Issuance Date: 03/11/98

Brief Summary of Relevant Information:

Approval of this NOC allows for the transfer of 9,550 curies of strontium-90 from the 324 Building to the 325 Building. This additional inventory will be stored in a hot cell in the 325 Building prior to future processing.

325 BUILDING, RADIOCHEMICAL PROCESSING LABORATORY

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: Shortform Approval

Contractor: Pacific Northwest National
Laboratory

Issuance Date: 01/19/98

Brief Summary of Relevant Information:

Approval of this NOC allows for the transfer of 9,550 curies of strontium-90 from the 324 Building to the 325 Building. This additional inventory will be stored in a hot cell in the 325 Building prior to future processing.

325 BUILDING, TRITIUM TARGET QUALIFICATION PROGRAM

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☒ New ☐

DOE Office: Richland Operations Office

Approval: Letter

Contractor: Pacific Northwest National
Laboratory

Issuance Date: 03/03/97

Brief Summary of Relevant Information:

Tritium target qualification program (TTQP). Original request submitted to RL 11/18/96, revised 1/7/97.

325 BUILDING, TRITIUM TARGET QUALIFICATION PROGRAM RADIOCHEMICAL PROCESSING LABORATORY

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☐ New ☒

DOE Office: Richland Operations Office

Permit Number: AIR 00-208

Contractor: Pacific Northwest National
Laboratory

Issuance Date: 02/23/2000

Brief Summary of Relevant Information:

This NOC allows for the operation of the furnace and gas clean-up system used to extract tritium from the Tritium Producing Burnable Absorber Rods and the transfer of the extracted tritium to hydride transport vessels. (Void Letter # AIR 00-202)

329 BUILDING, CHEMICAL SCIENCES LABORATORY, MODIFICATION AND VENTILATION UPGRADES

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☒ New ☐

DOE Office: Richland Operations Office

Approval: Letter

Contractor: Pacific Northwest National
Laboratory

Issuance Date: 03/01/95

Brief Summary of Relevant Information:

Request for approval to construct and operate Chemical Sciences Laboratory, 329 Building modification. Involves modernizing the laboratory and ventilation system to consolidate four emission points into one.

329 BUILDING, CHEMICAL SCIENCES LABORATORY, MODIFICATION AND VENTILATION UPGRADES

Permit Type: Nonradioactive Air Emissions
Program NOC
WAC 173-400, WAC 173-460

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: NWP95-329/300A

Contractor: Pacific Northwest National
Laboratory

Issuance Date: 09/18/96

Brief Summary of Relevant Information:

Request for approval to renovate and operate Chemical Sciences Laboratory, 329 Building modification. Involves modernizing laboratories and ventilation system to consolidate four emission points into one.

329 BUILDING, CHEMICAL SCIENCES LABORATORY

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: AIR 95-205
Issuance Date: 02/24/95

Contractor: Pacific Northwest National
Laboratory

Brief Summary of Relevant Information:

Approval for renovation of the Chemical Sciences Laboratory to modernize the laboratories and to upgrade the fume hoods and ventilation system. Renovation of the facility will be accomplished in two phases to accommodate ongoing programmatic research and development work.

331 BUILDING, HIGH-EFFICIENCY PARTICULATE AIR FILTER BANK REMOVAL

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: Routine Technical
Assistance Meeting
Issuance Date: 03/12/96

Contractor: Pacific Northwest National
Laboratory

Brief Summary of Relevant Information:

Approval to remove a HEPA filter bank in the 331 Building.

331 BUILDING, LIFE SCIENCES LABORATORY I MODIFICATIONS

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☒ New ☐

DOE Office: Richland Operations Office

Approval: Letter

Contractor: Pacific Northwest National
Laboratory

Issuance Date: 01/06/98

Brief Summary of Relevant Information:

Approval of this NOC allows for modifications to the 331 Building (Life Sciences Laboratory I) which includes the removal and relocation of existing fume hoods and installation of new fume hoods. Demolition and renovation activities are being done to accommodate relocation of existing research organizations located in other buildings. Once the modifications are completed, there will be a larger chemical inventory and potentially result in an increase of toxic air pollutants.

331 BUILDING, LIFE SCIENCES LABORATORY I MODIFICATIONS

Permit Type: Nonradioactive Air Emissions
Program NOC
WAC 173-400, WAC 173-460

Permitting Agency: Ecology

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: 97NM-147

Contractor: Pacific Northwest National
Laboratory

Issuance Date: 11/10/97

Brief Summary of Relevant Information:

Approval of this NOC allows for modifications to the 331 Building (Life Sciences Laboratory I), which includes the removal and relocation of existing fume hoods and installation of new fume hoods. Demolition and renovation activities are being done to accommodate relocation of existing research organizations located in other buildings. Once the modifications are completed, there will be a larger chemical inventory and potentially result in an increase of toxic air pollutants.

331 BUILDING, LIFE SCIENCES LABORATORY I MODIFICATIONS

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: AIR 98-108

Contractor: Pacific Northwest National
Laboratory

Issuance Date: 01/21/98

Brief Summary of Relevant Information:

Approval of this NOC allows for modifications to the 331 Building (Life Sciences Laboratory I) which includes the removal and relocation of existing fume hoods and installation of new fume hoods. Demolition and renovation activities are being done to accommodate relocation of existing research organizations located in other buildings. Once the modifications are completed, there will be a larger chemical inventory and potentially result in an increase of toxic air pollutants.

331 BUILDING RADON RESEARCH FACILITY

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: AIR 95-803

Contractor: Pacific Northwest National
Laboratory

Issuance Date: 08/08/95

Brief Summary of Relevant Information:

Relocation of the Radon Research Facility to the 331 Building.

PORTABLE RADON RESEARCH FACILITY

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: AIR 96-506

Contractor: Pacific Northwest National
Laboratory

Issuance Date: 05/15/96

Brief Summary of Relevant Information:

Approval to relocate Portable Radon Research Facility to any location onsite.

331-G BUILDING, REGISTRATION OF EXISTING STACKS

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☒ New ☐

DOE Office: Richland Operations Office

Approval: Letter

Contractor: Pacific Northwest National
Laboratory

Issuance Date: 03/11/98

Brief Summary of Relevant Information:

Additional radionuclide inventory has been added to Building 331-G and will be exhausted through two building stacks (EP-331G-01-S and EP-331G-02-S). A single stage HEPA is installed at each stack.

331-G BUILDING REGISTRATION OF EXISTING STACKS

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: Shortform Approval

Contractor: Pacific Northwest National
Laboratory

Issuance Date: 01/16/98

Brief Summary of Relevant Information:

Additional radionuclide inventory has been added to Building 331-G and will be exhausted through two building stacks (EP-331G-01-S and EP-331G-02-S). A single stage HEPA is installed at each stack.

CONSTRUCTION AND OPERATION OF SODIUM STORAGE FACILITY

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☒ New ☐

DOE Office: Richland Operations Office

Approval: Letter

Contractor: Fluor Hanford

Issuance Date: 02/08/95

Brief Summary of Relevant Information:

This approved application allows for construction of the Sodium Storage Facility in accordance with descriptions contained in the application. The Sodium Storage Facility supports the sodium offload from the Fast Flux Test Facility during transition to decommissioning. The Sodium Storage Facility receives molten sodium coolant from the Fast Flux Test Facility, stores the sodium in a solid state for an extended period, and melts the sodium for transfer to a future Sodium Reaction Facility. Construction was completed in October 1996. Currently the tanks and piping contain argon, an inert gas. Layup activities are complete that allow the facility to be locked requiring only minimal surveillance and maintenance while the Fast Flux Test Facility remains in standby awaiting a decision regarding future operation.

CONSTRUCTION AND OPERATION OF SODIUM STORAGE FACILITY

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: AIR 95-204

Contractor: Fluor Hanford

Issuance Date: 02/24/95

Brief Summary of Relevant Information:

Approval of this NOC allows construction of the Sodium Storage Facility in accordance with descriptions contained in the application. The Sodium Storage Facility supports the sodium offload from the Fast Flux Test Facility during transition to decommissioning. The Sodium Storage Facility receives molten sodium coolant from the Fast Flux Test Facility, stores the sodium in a solid state for an extended period, and melts the sodium for transfer to a future Sodium Reaction Facility. Approval of the NOC was granted with the understanding that the technology standards identified during the definitive design process would be submitted to the Department of Health when available, along with the associated costs of construction. Subsequently, the technology standards were submitted August 8, 1995, and the costs of construction were submitted August 22, 1995. Construction of the facility was completed in October 1996. Currently the tanks and piping contain argon, an inert gas. Layup activities are complete that allow the facility to be locked requiring only minimal surveillance and maintenance while the Fast Flux Test Facility remains in standby awaiting a decision regarding future operation.

FFTF ION EXCHANGE RESIN COLUMNS CHANGEOUT

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☒ New ☐

DOE Office: Richland Operations Office

Approval: Letter

Contractor: Fluor Hanford

Issuance Date: 01/13/98

Brief Summary of Relevant Information:

This approval allows change out of FFTF ion exchange columns in accordance with descriptions contained in the application. The ion exchange system cleans the water used to wash residual sodium off of FFTF core components. When the ion exchange columns become saturated with impurities they are replaced with new columns.

FFTF ION EXCHANGE RESIN COLUMNS CHANGEOUT

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☒ New ☐

DOE Office: Richland Operations Office

Permit Number: AIR 97-1203

Contractor: Fluor Hanford

Issuance Date: 12/10/97

Brief Summary of Relevant Information:

Approval of this NOC allows change out of FFTF ion exchange columns in accordance with descriptions contained in the application. The ion exchange system cleans the water used to wash residual sodium off of FFTF core components. When the ion exchange columns become saturated with impurities they are replaced with new columns.

OPERATION OF THE 4843 BUILDING WASTE INSPECTION FACILITY

Permit Type: Radioactive Air Emissions
Program NOC
WAC 246-247

Permitting Agency: WDOH

Existing ☐ New ☒

DOE Office: Richland Operations Office

Permit Number: Shortform Approval
Issuance Date: 04/17/99

Contractor: Fluor Hanford

Brief Summary of Relevant Information:

This NOC approval allows for the site wide collection, unloading, inspection, and radiological surveying of Hanford Site garbage within the 4843 Building and subsequent reloading of the garbage for transport to the receiving facility. Prior to disposal at a permitted disposal facility, the garbage is collected in trucks and transported to the 4843 Building in the 400 Area where it is unloaded from the trucks, spread out on the floor of the building, and radiologically surveyed.

OPERATION OF THE 4843 BUILDING WASTE INSPECTION FACILITY

Approval Type: National Emission Standards for
Hazardous Air Pollutants
Application to Construct
40 CFR 61 Subpart H

Issuing Agency: EPA, Region 10

Existing ☐ New ☒

DOE Office: Richland Operations Office

Permit Number: Letter
Issuance Date: 10/27/99

Contractor: Fluor Hanford

Brief Summary of Relevant Information:

Approval of this application to construct allows for the site wide collection, unloading, inspection, and radiological surveying of Hanford Site garbage within the 4843 Building and subsequent reloading of the garbage for transport to the receiving facility. Prior to disposal at a permitted disposal facility, the garbage is collected in trucks and transported to the 4843 Building in the 400 Area where it is unloaded from the trucks, spread out on the floor of the building, and radiologically surveyed.

12.0 CLEAN WATER ACT

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HANFORD SITE NPDES PERMIT

Permit Type: National Pollutant Discharge
Elimination System -
40 CFR 122

Permitting Agency: EPA, Region 10

Existing ☒ Renewal ☐ New ☐

DOE Office: Richland Operations Office

Contractor:
Fluor Hanford

Permit Number: WA-002591-7

Issuance Date: 04/02/99

Expiration Date: 05/05/04

Brief Summary of Relevant Information:

The NPDES regulates treated effluent discharges to the Columbia River. The major permit conditions include discharge points, effluent limitations, and monitoring requirements. The Hanford Site NPDES Permit was reissued and became effective on May 5, 1999.

HANFORD SITE (STORM WATER GENERAL PERMIT)

Permit Type: Storm Water General Permit,
National Pollutant Discharge
Elimination System (NPDES) -
40 CFR 122

Permitting Agency: EPA, Region 10

Existing ☒ Renewal ☐ New ☐

DOE Office: Richland Operations Office

Contractor: Fluor Hanford

Permit Number: WAR05A45F

Issuance Date: 12/29/98

Expiration Date: 09/2003

Brief Summary of Relevant Information:

In the September 30, 1998, Federal Register, Volume 63, the U.S. Environmental Protection Agency (EPA) notified facilities permitted under the National Pollutant Discharge Elimination System Baseline Industrial General Storm Water Permit (Permit) that the Permit had been terminated. The EPA directed facilities to pursue continued storm water permit coverage under the National Pollutant Discharge Elimination System Multi-Sector General Permit through submittal of a Notice of Intent by December 29, 1998.

On December 28, 1998, DOE-RL submitted a notice of intent to EPA for continued storm water discharge coverage under the Multi-Sector General Permit for the 1908-K Outfall at 100-K Area. Based on an evaluation of the National Pollutant Discharge Elimination System storm water program and annual Hanford Site storm water shoreline inspections from Bechtel Hanford, Inc., Pacific Northwest National Laboratory, DynCorp Tri-Cities Services, Inc., and Waste Management Federal Services of Hanford, Inc., a determination was made that remaining outfalls previously covered under the Permit do not require coverage under the Multi-Sector General Permit.

13.0 INDUSTRIAL WASTEWATER

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ENVIRONMENTAL MOLECULAR SCIENCES LABORATORY

Permit Type: Industrial Wastewater Permit - **Permitting Agency:** City of Richland
R.M.C. Chapter 17.30

Existing ☒ Renewal ☐ New ☐

DOE Office: Richland Operations Office

Contractor: Pacific Northwest National Laboratory

Permit Number: CR-IU005

Issuance Date: 10/01/96

Expiration Date: 10/01/2001

Brief Summary of Relevant Information:

City of Richland Industrial Wastewater Discharge Permit CR-IU005 provides authorization to discharge industrial wastewater from the Environmental Molecular Sciences Laboratory to the City of Richland sanitary sewer system.

The permit established specific wastewater discharge limitations and monitoring requirements for the process wastewater discharged from EMSL. The permit limits are based on general and specific National Prohibited Discharges [40 CFR 403.5(a) and (b)], and a combination of local and federal limits. Sanitary wastewater generated from restrooms, kitchens, and drinking fountains from the administrative area are discharged directly to the Richland sanitary sewer system and are exempt from permitting.

To date, the operational status of the EMSL process sewer remains in compliance with permit requirements. No exceedences of the permit limitations have occurred since the effective date of the permit.

300 AREA SANITARY SEWER CONTRACT

Contract Type: Utility Services Contract
Richland pretreatment Act
Chapter 17.30

Contracting Agency: City of Richland

Existing ☒ Renewal ☐ New ☐

DOE Office: Richland Operations Office

Contractor: Fluor Hanford

Contract Number: Contract No.
DE-AC06-90RL11854

Effective Date: 04/15/94

Brief Summary of Relevant Information:

Contract establishes the amount negotiated for connection charges to the City of Richland sewer system from the 300 Area of the Hanford Site. The contract requires that flow, pH, conductivity, and temperature parameters are measured at City of Richland Manhole #L-41 and reported to the City via PLC and radio communication. No new sources of wastewater are allowed to be added without the approval of the City.

14.0 CLASS V UNDERGROUND INJECTION WELLS

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CLASS V UNDERGROUND INJECTION WELLS

Registration **Underground Injection Control** **Issuing Agency:** Ecology
Type: **Program - WAC 173-218**

Existing ☒ Renewal ☐ New ☐

DOE Office: Richland Operations Office

Contractor:
Fluor Hanford

Permit Number: TBD

Issuance Date: TBD

Expiration Date: TBD

Brief Summary of Relevant Information:

Information for registration of all Class V injection wells that inject industrial, municipal, or commercial waste fluids into or above an underground source of drinking water was submitted to Ecology on August 7, 1995, in accordance with commitments identified in the Plan and Schedule for Disposition and Regulatory Compliance for Miscellaneous Streams documentation. This represented the last registration of this information.

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15.0 NATIONAL PARK SERVICE REVIEW

No activity this reporting period.

16.0 AQUATIC LANDS LEASE

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300 AREA TEDF AQUATIC LANDS SEWER OUTFALL

Permit Type: Aquatic Lands Sewer Outfall
Lease - RCW 70.90

Permitting Agency: State of Washington,
Department of Natural
Resources

Existing ☒ Renewal ☐

DOE Office: Richland Operations Office

Contractor: Fluor Hanford

Lease Number: 20-013357

Issuance Date: 09/16/94

Expiration Date: 09/15/24

Brief Summary of Relevant Information:

The Aquatic Lands Sewer Outfall Lease allows for the operation and maintenance of a liquid effluent discharge pipeline and diffuser outfall system associated with the operation of the 300 Area Treated Effluent Disposal Facility (TEDF). TEDF discharges treated effluent to the Columbia River via an outfall permitted under the National Pollutant Discharge Elimination System.

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17.0 HYDRAULIC PROJECT APPROVAL

No activity this reporting period.

18.0 WATER QUALITY STANDARDS MODIFICATION

No activity this reporting period.

19.0 STATE WASTE DISCHARGE

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100-N SEWAGE LAGOON

Permit Type: State Waste Discharge Permit - **Permitting Agency:** Ecology
WAC 173-216

Existing ☒ Renewal ☐ New ☐

DOE Office: Richland Operations Office

Contractor:
Fluor Hanford

Permit Number: ST 4507

Issuance Date: 05/12/97

Expiration Date: 05/12/2002

Brief Summary of Relevant Information:

Ecology Consent Order DE 91NM-177 lists regulatory milestones for liquid effluent streams on the Hanford Site to comply with the permitting requirements of WAC 173-216 (State Waste Discharge Program) or WAC 173-218 (Washington Underground Injection Control Program) where applicable. As a result, a WAC 173-216 State Waste Discharge Permit application was submitted for the 100-N Sewage Lagoon. The 100-N Sewage Lagoon receives sewage from facilities in the 100-N Area and from septic systems and holding tanks located across the Hanford Site. A Consent Order DE 91NM-177 milestone was satisfied with the submittal of the permit application to Ecology in June 1994. The final permit was issued May 12, 1997.

Compliance issue associated with discharges and administration controls were experienced during the reporting period.

183-N BACKWASH DISCHARGE POND

Permit Type: State Waste Discharge Permit - WAC 173-216 Permitting Agency: Ecology

Existing ☒ Renewal ☐ New ☐

DOE Office: Richland Operations Office

Contractor: Bechtel Hanford, Inc.

Permit Number: ST 4503

Issuance Date: 05/12/97

Expiration Date: 05/12/2002

Brief Summary of Relevant Information:

Ecology Consent Order DE 91NM-177 lists regulatory milestones for liquid effluent streams at the Hanford Site to comply with the permitting requirements of WAC 173-216 (State Waste Discharge Program) or WAC 173-218 (Washington Underground Injection Control Program) where applicable. As a result, a WAC 173-216 State Waste Discharge Permit application (DOE/RL-94-23, Rev. 0) was submitted for the 183-N Filter Backwash Stream. The 183-N Filter Backwash Stream consists of wastewater produced by backwashing the multimedia filter basins at the 183-N Water Treatment Facility. A Consent Order DE 91NM-177 milestone was satisfied with the submittal of the permit application to Ecology in June 1994. Ecology issued a final permit on May 12, 1997. The pond was capped and closed on June 27, 2000.

200 AREA EFFLUENT TREATMENT FACILITY

Permit Type: State Waste Discharge Permit - WAC 173-216 Permitting Agency: Ecology

Existing ☐ Renewal ☒ New ☐

DOE Office: Richland Operations Office

Contractor: Fluor Hanford

Permit Number: ST 4500

Issuance Date: 08/01/2000

Expiration Date: 08/01/2005

Brief Summary of Relevant Information:

The State Waste Discharge Permit for the 200 Area Effluent Treatment Facility governs discharges of treated wastewater to the State Approved Land Disposal Site. The permit conditions include requirements for discharge limitations, monitoring, reporting and recordkeeping, facility loading, operations and maintenance, solid waste disposal, non-routine and unanticipated discharges, spill plan, influent, and a tritium tracking and groundwater monitoring plan.

200 AREA TREATED EFFLUENT DISPOSAL FACILITY

Permit Type: State Waste Discharge Permit - **Permitting Agency:** Ecology
WAC 173-216

Existing ☐ Renewal ☒ New ☐

DOE Office: Richland Operations Office

Contractor: Fluor Hanford

Permit Number: ST 4502

Issuance Date: 04/18/2000

Expiration Date: 05/18/2005

Brief Summary of Relevant Information:

State Waste Discharge Permit ST 4502 provides the terms and conditions that regulate the discharge of treated wastewater from the 200 Area Treated Effluent Disposal Facility to the soil.

The present conditions include requirements for discharge limitations, monitoring, reporting and recordkeeping, facility loading, operations and maintenance, solid waste handling and disposal, non-routine and unanticipated discharges and spill prevention.

400 AREA SECONDARY COOLING WATER

Permit Type: State Waste Discharge Permit - **Permitting Agency:** Ecology
WAC 173-216

Existing ☒ Renewal ☐ New ☐

DOE Office: Richland Operations Office

Contractor: Fluor Hanford

Permit Number: ST 4501

Issuance Date: 07/31/96

Expiration Date: 07/31/2001

Brief Summary of Relevant Information:

State Waste Discharge Permit ST 4501 provides the terms and conditions that regulate the discharge of wastewater from the 400 Area Secondary Cooling Water Stream. The 400 Area Secondary Cooling Water stream includes contributing streams for the Fuel Material Examination Facility, Maintenance and Storage Facility, 481-A Pump House, and the Fast Flux Test Facility. The effluent is discharged to the 4608 Percolation Pond. The Permit was issued in July 1996. In February 1998, the Permit was modified to support resolution of a compliance issue associated with the concentration of total dissolved solids in wastewater discharge.

The water quality parameters for total dissolved solids continues to be monitored.

HANFORD SITE COOLING WATER AND CONDENSATE DISCHARGES

Permit Type: State Waste Discharge Permit - **Permitting Agency:** Ecology
WAC 173-216

Existing ☒ Renewal ☐ New ☐

DOE Office: Richland Operations Office

Contractor:
Fluor Hanford

Permit Number: ST 4509

Issuance Date: 05/01/98

Expiration Date: 05/01/2003

Brief Summary of Relevant Information:

State Waste Discharge Permit ST 4509 permits cooling water and steam condensate discharges on the Hanford Site. The permit required the preparation and submittal of a pollution prevention plan to Ecology for compliance. The pollution prevention plan was revised and submitted to Ecology. Ecology approved the revised plan October 15, 1999.

HANFORD SITE HYDROTESTING, MAINTENANCE, AND CONSTRUCTION DISCHARGES

Permit Type: Categorical State Waste
Discharge Permit -
WAC 173-216

Permitting Agency: Ecology

Existing ☒ Renewal ☐ New ☐

DOE Office: Richland Operations Office

Contractor: Fluor Hanford

Permit Number: ST 4508

Issuance Date: 05/30/97

Expiration Date: 05/30/2002

Brief Summary of Relevant Information:

State Waste Discharge Permit ST 4508 permits hydrotesting, maintenance, and construction discharges on the Hanford Site. The permit identified specific discharge requirements and best management practice. The permit also required submittal of a pollution prevention plan. The pollution prevention plan was revised and submitted to Ecology. Ecology approved the revised plan October 15, 1999.

HANFORD SITE INDUSTRIAL STORMWATER DISCHARGES TO LAND

Permit Type: State Waste Discharge Permit - **Permitting Agency:** Ecology
WAC 173-216

Existing ☐ Renewal ☐ New ☒

DOE Office: Richland Operations Office

Contractor: Fluor Hanford

Permit Number: ST 4510

Issuance Date: 04/01/99

Expiration Date: 04/01/2004

Brief Summary of Relevant Information:

State Waste Discharge Permit ST 4510 allows Industrial storm water discharges to engineered disposal structures. The Permit identifies discharge requirements and compliance with best management practices. The Permit also requires preparation and submittal of a pollution prevention and best management practices plan to Ecology. The plan was submitted and approved on October 15, 1999.

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20.0 ONSITE SEWAGE SYSTEM

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100B/C AREA SEPTIC HOLDING TANK SYSTEM

Permit Type: Onsite Sewage System -
WAC 246-272

Permitting Agency: WDOH - Spokane

Existing ☒ Renewal ☐ New ☐

DOE Office: Richland Operations Office

Contractor: Bechtel Hanford, Inc.

Permit Number: HAN099

Issuance Date: 09/30/99

Expiration Date: 09/30/2000

Brief Summary of Relevant Information:

Holding tank sewage systems are permitted once in accordance with WAC 246-272-12501. Through negotiations with WDOH, the DOE-RL is allowed to install holding tank sewage systems on a temporary basis. The 100B/C Area septic holding tank is a permitted holding tank system with a design capacity of 1,136 liters (300 gallons) per day.

100D AREA SEPTIC HOLDING TANK SYSTEM

Permit Type: Onsite Sewage System -
WAC 246-272

Permitting Agency: WDOH - Spokane

Existing ☒ Renewal ☐ New ☐

DOE Office: Richland Operations Office

Contractor: Bechtel Hanford, Inc.

Permit Number: HAN099

Issuance Date: 09/30/99

Expiration Date: 09/30/2000

Brief Summary of Relevant Information:

Holding tank sewage systems are permitted once in accordance with WAC 246-272-12501. Through negotiations with WDOH, the DOE-RL is allowed to install holding tank sewage systems on a temporary basis. The D-Area septic holding tank is a permitted holding tank system with a design capacity of 757 liters (200 gallons) per day.

100 DR AREA ONSITE SEWAGE SYSTEM

Permit Type: Onsite Sewage System -
WAC 246-272

Permitting Agency: WDOH - Spokane

Existing ☐ Renewal ☒ New ☐

DOE Office: Richland Operations Office

Contractor: Bechtel Hanford, Inc.

Permit Number: HAN099

Issuance Date: 09/30/99

Expiration Date: 09/30/2000

Brief Summary of Relevant Information:

Sewage systems are permitted once in accordance with WAC 246-272. DOE-RL constructed and installed a conventional pressure distribution system conforming to the 1993 WDOH "Design Standards for Large On-Site Sewage Systems" for the environmental restoration contractor decontamination and decommissioning project trailers located at 100 DR Area. The system has a design capacity of 3,690 liters (975 gallons) per day.

105 K AREA HOLDING TANK

Permit Type: Onsite Sewage System -
WAC 246-272

Permitting Agency: WDOH - Spokane

Existing ☐ Renewal ☒ New ☐

DOE Office: Richland Operations Office

Contractor: Fluor Hanford

Permit Number: HAN099

Issuance Date: 09/30/99

Expiration Date: 09/30/2000

Brief Summary of Relevant Information:

Holding tank sewage systems are permitted once in accordance with WAC 246-272-12501. The 100 K Area holding tank is a permitted holding tank system has a design capacity of 5,715 liters (1,500 gallons) per day.

105 KE AND 105 KW HOLDING TANK SYSTEMS

Permit Type: Onsite Sewage System -
WAC 246-272

Permitting Agency: WDOH - Spokane

Existing ☐ Renewal ☒ New ☐

DOE Office: Richland Operations Office

Contractor: Fluor Hanford

Permit Number: HAN099

Issuance Date: 09/30/99

Expiration Date: 09/30/2000

Brief Summary of Relevant Information:

Holding tank sewage systems are permitted once in accordance with WAC 246-272-12501. The 105 KE and 105 KW septic tank holding systems are permitted tank systems with a design capacity of 14,155 liters (3,740 gallons) per day.

142-K COLD VACUUM DRYING FACILITY SEPTIC TANK HOLDING SYSTEM

Permit Type: Onsite Sewage System -
WAC 246-272

Permitting Agency: WDOH - Spokane

Existing ☐ Renewal ☐ New ☒

DOE Office: Richland Operations Office

Contractor: Fluor Hanford

Permit Number: HAN099

Issuance Date: 09/30/2000

Expiration Date: TBD

Brief Summary of Relevant Information:

Onsite septic systems, with a design flow of less than 13,249 liters per day, are permitted annually in accordance with WAC 246-272-09001. The 142-K Cold Vacuum Drying Facility Septic Tank Holding System is located in the 100-K Area and has a design capacity of 3,028 liters (800 gallons) per day.

183-KE SEPTIC HOLDING TANK

Permit Type: Onsite Sewage System -
WAC 246-272

Permitting Agency: WDOH - Spokane

Existing ☐ Renewal ☒ New ☐

DOE Office: Richland Operations Office

Contractor: Fluor Hanford

Permit Number: HAN099

Issuance Date: 09/30/99

Expiration Date: 09/30/2000

Brief Summary of Relevant Information:

The 183-KE Septic Tank (Project 183-KE serving mobile office MO-293 in the 100 Area) is a large permitted onsite septic system with a design capacity of 5,678 liters (1,500 gallons) per day.

222-S LABORATORY COMPLEX, SEPTIC SYSTEM (2607-W6)

Permit Type: Onsite Sewage System -
WAC 246-272

Permitting Agency: WDOH - Spokane

Existing ☐ Renewal ☒ New ☐

DOE Office: Richland Operations Office

Contractor: Fluor Hanford

Permit Number: HAN099

Issuance Date: 09/30/99

Expiration Date: 09/30/2000

Brief Summary of Relevant Information:

Large onsite septic systems are permitted once in accordance with WAC 246-272-12501. Through negotiations with WDOH, DOE-RL is allowed to install large onsite septic systems on a temporary basis for up to 5 years. The 222-S Laboratory Complex septic system (Project W-370) has a design capacity of 50,284 liters (13,285 gallons) per day.

300-FF-1 OPERABLE UNIT SEPTIC HOLDING TANK SYSTEM

Permit Type: Onsite Sewage System -
WAC 246-272

Permitting Agency: WDOH - Spokane

Existing ☐ Renewal ☒ New ☐

DOE Office: Richland Operations Office

Contractor: Bechtel Hanford, Inc.

Permit Number: HAN099

Issuance Date: 09/30/99

Expiration Date: 09/30/2000

Brief Summary of Relevant Information:

Onsite septic systems, with a design flow of less than 13,249 liters per day, are permitted once in accordance with WAC 246-272-09001. The 300-FF-1 Operable Unit support facility septic holding tank is a permitted onsite septic tank system with a design capacity of 1,052 liters (278 gallons) per day.

1607-K4 SEPTIC TANK

Permit Type: Onsite Sewage System -
WAC 246-272

Permitting Agency: WDOH - Spokane

Existing ☐ Renewal ☒ New ☐

DOE Office: Richland Operations Office

Contractor: Fluor Hanford

Permit Number: HAN099

Issuance Date: 09/30/99

Expiration Date: 09/30/2000

Brief Summary of Relevant Information:

Large onsite septic systems, with a design flow of greater than 13,249 liters (3,500 gallons) per day, are permitted annually in accordance with WAC 246-272-08001. The 1607-K4 septic tank (Project 1607-K4 serving mobile offices MO-401 and MO-402 in the 100-K Area) is a large permitted onsite septic system with a design capacity of 14,156 liters (3,740 gallons) per day.

2607-EL, EM, EN, ED, AND EP SEPTIC TANK

Permit Type: Onsite Sewage System -
WAC 246-272

Permitting Agency: WDOH - Spokane

Existing ☐ Renewal ☒ New ☐

DOE Office: Richland Operations Office

Contractor: Fluor Hanford

Permit Number: HAN099

Issuance Date: 09/30/99

Expiration Date: 09/30/2000

Brief Summary of Relevant Information:

Large onsite septic systems, with a design flow of greater than 13,249 liters per day, are permitted annually in accordance with WAC 246-272-08001. The 2607-EP septic tank (Project L-132 serving building 2721-EA and adjacent facilities) is a large permitted onsite septic system with a design capacity of 54,883 liters (14,500 gallons) per day.

2607-EQ SEPTIC TANK

Permit Type: Onsite Sewage System -
WAC 246-272

Permitting Agency: WDOH - Spokane

Existing ☐ Renewal ☒ New ☐

DOE Office: Richland Operations Office

Contractor: Fluor Hanford

Permit Number: HAN099

Issuance Date: 09/30/99

Expiration Date: 09/30/2000

Brief Summary of Relevant Information:

Large onsite septic systems, with a design flow of greater than 13,249 liters per day, are permitted annually in accordance with WAC 246-272-08001. The 2607-EQ septic tank (Project L-092 serving buildings 2751-E, 2752-E, and 2753-E in the 200 East Area) is a large permitted onsite septic system with a design capacity of 55,400 liters (14,297 gallons) per day.

2607-E1A (200 E CENTRAL CORE SEPTIC SYSTEM)

Permit Type: Onsite Sewage System -
WAC 246-272

Permitting Agency: WDOH - Spokane

Existing ☐ Renewal ☒ New ☐

DOE Office: Richland Operations Office

Contractor: Fluor Hanford

Permit Number: HAN099

Issuance Date: 09/30/99

Expiration Date: 09/30/2000

Brief Summary of Relevant Information:

Large onsite septic systems, septic systems with a design flow greater than 13,249 liters per day, are permitted annually in accordance with WAC 246-272-08001. The 200 E Central Core Septic System is a large system with a design capacity of 54,882 liters (14,500 gallons) per day that serves the 200 Area Plateau.

2607-E10 SEPTIC TANK

Permit Type: Onsite Sewage System -
WAC 246-272

Permitting Agency: WDOH - Spokane

Existing ☐ Renewal ☒ New ☐

DOE Office: Richland Operations Office

Contractor: Fluor Hanford

Permit Number: HAN099

Issuance Date: 09/30/99

Expiration Date: 09/30/2000

Brief Summary of Relevant Information:

Onsite septic systems, with a design flow of less than 13,249 liters per day, currently are permitted once in accordance with WAC 246-272-09001. The 2607-E10 septic tank (Project W-299, Grout Processing Support Facility) is a permitted onsite septic system with a design capacity of 4,164 liters (1,100 gallons) per day.

2607-E12 SEPTIC TANK

Permit Type: Onsite Sewage System -
WAC 246-272

Permitting Agency: WDOH - Spokane

Existing ☐ Renewal ☒ New ☐

DOE Office: Richland Operations Office

Contractor: Fluor Hanford

Permit Number: HAN099

Issuance Date: 09/30/99

Expiration Date: 09/30/2000

Brief Summary of Relevant Information:

Large onsite septic systems, with a design flow of greater than 13,249 liters per day, are permitted annually in accordance with WAC 246-272-08001. The 2607-E12 septic tank (Project W-172 serving buildings 272-AW, 242-A, and adjacent trailer units in the 200 East Area) is a large permitted onsite septic system with a design capacity of 25,360 liters (6,700 gallons) per day.

2607-E13 SEPTIC HOLDING TANK SYSTEM

Permit Type: Onsite Sewage System -
WAC 246-272

Permitting Agency: WDOH - Spokane

Existing ☐ Renewal ☒ New ☐

DOE Office: Richland Operations Office

Contractor: Fluor Hanford

Permit Number: HAN099

Issuance Date: 09/30/99

Expiration Date: 09/30/2000

Brief Summary of Relevant Information:

Onsite septic systems with a design flow of less than 13,249 liters per day, currently are permitted once in accordance with WAC 246-272-09001. The 2607-E13 for ERS support facility septic holding tank is a permitted onsite septic tank system with a design capacity of 3,293 liters (870 gallons) per day.

2607-WA EAST AND WEST SEPTIC TANKS

Permit Type: Onsite Sewage System -
WAC 246-272

Permitting Agency: WDOH - Spokane

Existing ☐ Renewal ☒ New ☐

DOE Office: Richland Operations Office

Contractor: Fluor Hanford

Permit Number: HAN099

Issuance Date: 09/30/99

Expiration Date: 09/30/2000

Brief Summary of Relevant Information:

Onsite septic systems, with a design flow of less than 13,249 liters per day, currently are permitted once in accordance with WAC 246-272-09001. The 2607-WA East and West (Project L-190) septic tanks are permitted onsite septic systems with a total design capacity of 4,920 liters (1,300 gallons) per day.

2607-W1, W2, AND W3 SEPTIC TANKS

Permit Type: Onsite Sewage System -
WAC 246-272

Permitting Agency: WDOH - Spokane

Existing ☐ Renewal ☒ New ☐

DOE Office: Richland Operations Office

Contractor: Fluor Hanford

Permit Number: HAN099

Issuance Date: 09/30/99

Expiration Date: 09/30/2000

Brief Summary of Relevant Information:

Large onsite septic systems, with a design flow of greater than 13,249 liters per day, are permitted annually in accordance with WAC 246-272-08001. The 2607-W1, W2, and W3 septic tanks (Project L-169) is a large permitted onsite septic system with a design capacity of 54,883 liters (14,500 gallons) per day.

2607-W10 SEPTIC TANK

Permit Type: Onsite Sewage System -
WAC 246-272

Permitting Agency: WDOH - Spokane

Existing ☐ Renewal ☒ New ☐

DOE Office: Richland Operations Office

Contractor: Fluor Hanford

Permit Number: HAN099

Issuance Date: 09/30/99

Expiration Date: 09/30/2000

Brief Summary of Relevant Information:

Onsite septic systems, with a design flow of less than 13,249 liters per day, currently are permitted once in accordance with WAC 246-272-09001. The 2607-W10 septic tank (Project W-219) is a permitted onsite septic system with a design capacity of 7,190 liters (1,900 gallons) per day.

2607-W11 SEPTIC TANK

Permit Type: Onsite Sewage System -
WAC 246-272

Permitting Agency: WDOH - Spokane

Existing ☐ Renewal ☒ New ☐

DOE Office: Richland Operations Office

Contractor: Fluor Hanford

Permit Number: HAN099

Issuance Date: 09/30/99

Expiration Date: 09/30/2000

Brief Summary of Relevant Information:

Onsite septic systems, with a design flow of less than 13,249 liters per day, currently are permitted once in accordance with WAC 246-272-09001. The 2607-W11 septic tank (Project W-219) is a permitted onsite septic system with a design capacity of 4,920 liters (1,300 gallons) per day.

2607-W12 SEPTIC TANK

Permit Type: Onsite Sewage System -
WAC 246-272

Permitting Agency: WDOH - Spokane

Existing ☐ Renewal ☒ New ☐

DOE Office: Richland Operations Office

Contractor: Fluor Hanford

Permit Number: HAN099

Issuance Date: 09/30/99

Expiration Date: 09/30/2000

Brief Summary of Relevant Information:

Onsite septic systems, with a design flow of less than 13,249 liters per day, currently are permitted once in accordance with WAC 246-272-09001. The 2607-W12 septic tank (Project W-219) is a permitted onsite septic system with a design capacity of 4,920 liters (1,300 gallons) per day.

2607-W14 SEPTIC TANK

Permit Type: Onsite Sewage System -
WAC 246-272

Permitting Agency: WDOH - Spokane

Existing ☐ Renewal ☒ New ☐

DOE Office: Richland Operations Office

Contractor: Fluor Hanford

Permit Number: HAN099

Issuance Date: 09/30/99

Expiration Date: 09/30/2000

Brief Summary of Relevant Information:

Onsite septic systems, with a design flow of less than 13,249 liters per day, currently are permitted once in accordance with WAC 246-272-09001. The 2607-W14 septic tank (Project W-026) is a permitted onsite septic system with a design capacity of 9,576 liters (2,530 gallons) per day.

2607-W15 SEPTIC TANK

Permit Type: Onsite Sewage System -
WAC 246-272

Permitting Agency: WDOH - Spokane

Existing ☐ Renewal ☒ New ☐

DOE Office: Richland Operations Office

Contractor: Fluor Hanford

Permit Number: HAN099

Issuance Date: 09/30/99

Expiration Date: 09/30/2000

Brief Summary of Relevant Information:

Onsite septic systems, with a design flow of less than 13,249 liters per day, currently are permitted once in accordance with WAC 246-272-09001. The 2607-W15 septic tank (Project W-112) is a large permitted onsite septic system with a design capacity of 10,220 liters (2,700 gallons) per day.

2750-E AND ADJACENT FACILITIES SEPTIC SYSTEM

Permit Type: Onsite Sewage System -
WAC 246-272

Permitting Agency: WDOH - Spokane

Existing ☐ Renewal ☒ New ☐

DOE Office: Richland Operations Office

Contractor: Fluor Hanford

Permit Number: HAN099

Issuance Date: 09/30/99

Expiration Date: 09/30/2000

Brief Summary of Relevant Information:

Large onsite septic systems, septic systems with a design flow of greater than 13,249 liters per day, are permitted annually in accordance with WAC 246-272-08001. The 2750-E septic system is a large permitted onsite septic system servicing the 2750-E and adjacent facilities with a design capacity of 54,890 liters (14,500 gallons) per day.

6607-9 SEPTIC TANK

Permit Type: Onsite Sewage System -
WAC 246-272

Permitting Agency: WDOH - Spokane

Existing ☐ Renewal ☒ New ☐

DOE Office: Richland Operations Office

Contractor: Fluor Hanford

Permit Number: HAN099

Issuance Date: 09/30/99

Expiration Date: 09/30/2000

Brief Summary of Relevant Information:

Large onsite septic systems, with a design flow of greater than 13,249 liters per day, are permitted annually in accordance with WAC 246-272-08001. The 6607-9 septic tank supports Waste Encapsulation and Storage Facility (Project W-011H) is a large permitted onsite septic system with a design capacity of 25,356 liters (6,435 gallons) per day.

6607-11 SEPTIC TANK

Permit Type: Onsite Sewage System -
WAC 246-272

Permitting Agency: WDOH - Spokane

Existing ☐ Renewal ☒ New ☐

DOE Office: Richland Operations Office

Contractor: Fluor Hanford

Permit Number: HAN099

Issuance Date: 09/30/99

Expiration Date: 09/30/2000

Brief Summary of Relevant Information:

Large onsite septic systems, with a design flow of greater than 13,249 liters per day, are permitted annually in accordance with WAC 246-272-08001. The 6607-11 septic tank supporting the Hanford Waste Vitrification Project (Project B-595) is a large permitted onsite septic system with a design capacity of 44,739 liters (11,820 gallons) per day.

6607-13 SEPTIC TANK

Permit Type: Onsite Sewage System -
WAC 246-272

Permitting Agency: WDOH - Spokane

Existing ☐ Renewal ☒ New ☐

DOE Office: Richland Operations Office

Contractor: Fluor Hanford

Permit Number: HAN099

Issuance Date: 09/30/99

Expiration Date: 09/30/2000

Brief Summary of Relevant Information:

Onsite septic systems, with a design flow of less than 13,249 liters per day, are permitted once in accordance with WAC 246-272-09001. The 6607-13 septic tank is a permitted onsite septic system located in 200 East has a design capacity of 10,798 liters (2,850 gallons) per day.

6607-16 SEPTIC TANK

Permit Type: Onsite Sewage System -
WAC 246-272

Permitting Agency: WDOH - Spokane

Existing ☐ Renewal ☒ New ☐

DOE Office: Richland Operations Office

Contractor: Fluor Hanford

Permit Number: HAN099

Issuance Date: 09/30/99

Expiration Date: 09/30/2000

Brief Summary of Relevant Information:

Large onsite septic systems, with a design flow of greater than 13,249 liters per day, are permitted annually in accordance with WAC 246-272-08001. The 6607-16 septic tank (Project C-018H) is a large permitted onsite septic system with a design capacity of 18,925 liters (5,000 gallons) per day.

6607-17 SEPTIC TANK

Permit Type: Onsite Sewage System -
WAC 246-272

Permitting Agency: WDOH - Spokane

Existing ☐ Renewal ☒ New ☐

DOE Office: Richland Operations Office

Contractor: Fluor Hanford

Permit Number: HAN099

Issuance Date: 09/30/99

Expiration Date: 09/30/2000

Brief Summary of Relevant Information:

Onsite septic systems, with a design flow of less than 13,249 liters per day, currently are permitted once in accordance with WAC 246-272-09001. The 6607-17 septic tank (Project L-044) is a permitted onsite septic system with a design capacity of 189 liters (50 gallons) per day.

COLD VACUUM DRYING FACILITY SEPTIC HOLDING TANK

Permit Type: Onsite Sewage System -
WAC 246-272

Permitting Agency: WDOH - Spokane

Existing ☐ Renewal ☒ New ☐

DOE Office: Richland Operations Office

Contractor: Fluor Hanford

Permit Number: HAN099

Issuance Date: 09/30/99

Expiration Date: 09/30/2000

Brief Summary of Relevant Information:

Holding tank sewage systems are permitted once in accordance with WAC 246-272-12501. The Cold Vacuum Drying support facility septic tank located at 100-K is a permitted tank system with a design capacity of 3,028 liters (800 gallons) per day.

ENVIRONMENTAL RESTORATION DISPOSAL FACILITY CONSTRUCTION TRAILER SEPTIC HOLDING TANK SYSTEM

Permit Type: Onsite Sewage System -
WAC 246-272

Permitting Agency: WDOH - Spokane

Existing ☐ Renewal ☒ New ☐

DOE Office: Richland Operations Office

Contractor: Bechtel Hanford, Inc.

Permit Number: HAN099

Issuance Date: 09/30/99

Expiration Date: 09/30/2000

Brief Summary of Relevant Information:

Holding tank sewage systems are permitted once in accordance with WAC 246-272-12501. Through negotiations with WDOH, the DOE-RL is allowed to install holding tank sewage systems on a temporary basis. The Environmental Restoration Disposal Facility construction trailer septic holding tank system is a permitted holding tank system with a design capacity of 227 liters (60 gallons) per day.

ENVIRONMENTAL RESTORATION DISPOSAL FACILITY ONSITE SEWAGE SYSTEM

Permit Type: Onsite Sewage System -
WAC 246-272

Permitting Agency: WDOH - Spokane

Existing ☐ Renewal ☒ New ☐

DOE Office: Richland Operations Office

Contractor: Bechtel Hanford, Inc.

Permit Number: HAN099

Issuance Date: 09/30/99

Expiration Date: 09/30/2000

Brief Summary of Relevant Information:

Sewage systems are permitted once in accordance with WAC 246-272. The Environmental Restoration Disposal Facility septic tank sewage system (Project W-296) has a design capacity of 2,839 liters (750 gallons) per day.

ENVIRONMENTAL RESTORATION DISPOSAL FACILITY SHOP FACILITY SEPTIC HOLDING TANK SYSTEM

Permit Type: Onsite Sewage System -
WAC 246-272

Permitting Agency: WDOH - Spokane

Existing ☐ Renewal ☒ New ☐

DOE Office: Richland Operations Office

Contractor: Bechtel Hanford, Inc.

Permit Number: HAN099

Issuance Date: 09/30/99

Expiration Date: 09/30/2000

Brief Summary of Relevant Information:

Holding tank sewage systems are permitted once in accordance with WAC 246-272-12501. Through negotiations with WDOH, the DOE-RL is allowed to install holding tank sewage systems on a temporary basis. The Environmental Restoration Disposal Facility shop septic holding tank is a permitted holding tank system with a design capacity of 795 liters (210 gallons) per day.

HWVP SEPTIC TANK SYSTEM

Permit Type: Onsite Sewage System -
WAC 246-272

Permitting Agency: WDOH - Spokane

Existing ☐ Renewal ☐ New ☒

DOE Office: Richland Operations Office

Contractor: Fluor Hanford

Permit Number: HAN099

Issuance Date: 09/30/99

Expiration Date: 09/30/2000

Brief Summary of Relevant Information:

Onsite septic systems, with a design flow of less than 13,249 liters per day, are permitted annually in accordance with WAC 246-272-09001. The HWVP septic system located in the 200 East Area has a design capacity of 11,355 liters (3,000 gallons) per day.

MO-910 SEPTIC TANK HOLDING SYSTEM

Permit Type: Onsite Sewage System -
WAC 246-272

Permitting Agency: WDOH - Spokane

Existing ☐ Renewal ☐ New ☒

DOE Office: Richland Operations Office

Contractor: Fluor Hanford

Permit Number: HAN099

Issuance Date: 09/30/2000

Expiration Date: TBD

Brief Summary of Relevant Information:

Onsite septic systems, with a design flow of less than 13,249 liters per day, are permitted annually in accordance with WAC 246-272-09001. The MO-910 holding tank system is located in the 100-K Area and has a design capacity of 6,056 liters (1,600 gallons) per day.

W-519 SEPTIC TANK HOLDING SYSTEM

Permit Type: Onsite Sewage System -
WAC 246-272

Permitting Agency: WDOH - Spokane

Existing ☐ Renewal ☐ New ☒

DOE Office: Richland Operations Office

Contractor: Fluor Hanford

Permit Number: HAN099

Issuance Date: 09/30/2000

Expiration Date: TBD

Brief Summary of Relevant Information:

Onsite septic systems, with a design flow of less than 13,249 liters per day, are permitted annually in accordance with WAC 246-272-09001. The W-519 Septic Tank Holding System is located along the east boundary of the 200 East Area. The system has a design capacity of 757 liters (200 gallons) per day.

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21.0 PETROLEUM UNDERGROUND STORAGE TANK

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200 EAST AREA, 204-AR TANK

Permit Type: Annual Permit for Active
Petroleum Underground
Storage Tanks - WAC 173-360

Permitting Agency: Ecology

Existing ☐ Renewal ☒ New ☐

DOE Office: Office of River Protection

Contractor: CH2M HILL Hanford Group

Permit Number: 204-AR

Issuance Date: 06/30/2000

Expiration Date: 06/30/2001

Brief Summary of Relevant Information:

Annual permits and information updates are required each year for each active petroleum underground storage tank on the Hanford Site. The petroleum underground storage tanks store used oil, supply gasoline fuel for site vehicles, and supply diesel fuel for site vehicles and emergency generator systems. The 204-AR tank contains diesel fuel. The tank permit was renewed with Master Business License 601 310 923.

200 EAST AREA, 242-A-1 TANK

Permit Type: Annual Permit for Active
Petroleum Underground
Storage Tanks - WAC 173-360

Permitting Agency: Ecology

Existing ☐ Renewal ☒ New ☐

DOE Office: Richland Operations Office

Contractor: Fluor Hanford

Permit Number: 242-A-1

Issuance Date: 06/30/2000

Expiration Date: 06/30/2001

Brief Summary of Relevant Information:

Annual permits and information updates are required each year for each active petroleum underground storage tank on the Hanford Site. The petroleum underground storage tanks store used oil, supply gasoline fuel for site vehicles, and supply diesel fuel for site vehicles and emergency generator systems. The 242-A-1 tank contains diesel fuel. The tank permit was renewed with Master Business License 601 310 923.

200 EAST AREA, 2711-66 TANK

Permit Type: Annual Permit for Active
Petroleum Underground
Storage Tanks - WAC 173-360

Permitting Agency: Ecology

Existing ☐ Renewal ☒ New ☐

DOE Office: Richland Operations Office

Contractor: Fluor Hanford

Permit Number: 2711E-66

Issuance Date: 06/30/2000

Expiration Date: 06/30/2001

Brief Summary of Relevant Information:

Annual permits and information updates are required each year for each active petroleum underground storage tank on the Hanford Site. The petroleum underground storage tanks store used oil, supply gasoline fuel for site vehicles, and supply diesel fuel for site vehicles and emergency generator systems. The 2711-66 tank contains used oil. The tank permit was renewed with Master Business License 601 310 923.

200 EAST AREA, 2711-66A TANK

Permit Type: Annual Permit for Active
Petroleum Underground
Storage Tanks - WAC 173-360

Permitting Agency: Ecology

Existing ☐ Renewal ☒ New ☐

DOE Office: Richland Operations Office

Contractor: Fluor Hanford

Permit Number: 2711E-66A

Issuance Date: 06/30/2000

Expiration Date: 06/30/2001

Brief Summary of Relevant Information:

Annual permits and information updates are required each year for each active petroleum underground storage tank on the Hanford Site. The petroleum underground storage tanks store used oil, supply gasoline fuel for site vehicles, and supply diesel fuel for site vehicles and emergency generator systems. The 2711-66A tank contains used oil. The tank permit was renewed with Master Business License 601 310 923.

200 WEST AREA, 2721Z-2 TANK

Permit Type: Annual Permit for Active
Petroleum Underground
Storage Tanks - WAC 173-360

Permitting Agency: Ecology

Existing ☐ Renewal ☒ New ☐

DOE Office: Richland Operations Office

Contractor: Fluor Hanford

Permit Number: 2721Z-2

Issuance Date: 06/30/2000

Expiration Date: 06/30/2001

Brief Summary of Relevant Information:

Annual permits and information updates are required each year for each active petroleum underground storage tank on the Hanford Site. The petroleum underground storage tanks store used oil, supply gasoline fuel for site vehicles, and supply diesel fuel for site vehicles and emergency generator systems. The 2721Z-1 underground storage tank supplies diesel fuel to PFP emergency power generators. The tank permit was renewed with Master Business License 601 310 923.

300 AREA, 3621-C TANK

Permit Type: Annual Permit for Active
Petroleum Underground
Storage Tanks - WAC 173-360

Permitting Agency: Ecology

Existing ☐ Renewal ☒ New ☐

DOE Office: Richland Operations Office

Contractor: Fluor Hanford

Permit Number: 3621-C

Issuance Date: 06/30/2000

Expiration Date: 06/30/2001

Brief Summary of Relevant Information:

Annual permits and information updates are required each year for each active petroleum underground storage tank on the Hanford Site. The petroleum underground storage tanks store used oil, supply gasoline fuel for site vehicles, and supply diesel fuel for site vehicles and emergency generator systems. The 3621-C tank contains diesel fuel. The tank permit was renewed with Master Business License 601 310 923.

300 AREA, 3621-66 TANK

Permit Type: Annual Permit for Active
Petroleum Underground
Storage Tanks - WAC 173-360

Permitting Agency: Ecology

Existing ☐ Renewal ☒ New ☐

DOE Office: Richland Operations Office

Contractor: Fluor Hanford

Permit Number: 3621-66

Issuance Date: 06/30/2000

Expiration Date: 06/30/2001

Brief Summary of Relevant Information:

Annual permits and information updates are required each year for each active petroleum underground storage tank on the Hanford Site. The petroleum underground storage tanks store used oil, supply gasoline fuel for site vehicles, and supply diesel fuel for site vehicles and emergency generator systems. The 3621-66 tank contains diesel fuel. A new underground storage tank permit was submitted with Master Business License 601 310 923.

400 AREA, 400-FFTF-T303 TANK

Permit Type: Annual Permit for Active
Petroleum Underground
Storage Tanks - WAC 173-360

Permitting Agency: Ecology

Existing ☐ Renewal ☒ New ☐

DOE Office: Richland Operations Office

Contractor: Fluor Hanford

Permit Number: 400-FFTF-T303

Issuance Date: 06/30/2000

Expiration Date: 06/30/2001

Brief Summary of Relevant Information:

Annual permits and information updates are required each year for each active petroleum underground storage tank on the Hanford Site. The petroleum underground storage tanks store used oil, supply gasoline fuel for site vehicles, and supply diesel fuel for site vehicles and emergency generator systems. The 400-FFTF-T303 tank contains diesel fuel. The tank permit was renewed with Master Business License 601 310 923 issued.

600 AREA, 6291-66 TANK

Permit Type: Annual Permit for Active
Petroleum Underground
Storage Tanks - WAC 173-360

Permitting Agency: Ecology

Existing ☐ Renewal ☒ New ☐

DOE Office: Richland Operations Office

Contractor: Fluor Hanford

Permit Number: 6291-66

Issuance Date: 06/30/2000

Expiration Date: 06/30/2001

Brief Summary of Relevant Information:

Annual permits and information updates are required each year for each active petroleum underground storage tank on the Hanford Site. The petroleum underground storage tanks store used oil, supply gasoline fuel for site vehicles, and supply diesel fuel for site vehicles and emergency generator systems. The 6291-66 tank contains diesel fuel. A new underground storage tank permit was submitted with Master Business License 601 310 923.

600 AREA, 6291-66A TANK

Permit Type: Annual Permit for Active
Petroleum Underground
Storage Tanks - WAC 173-360

Permitting Agency: Ecology

Existing ☐ Renewal ☒ New ☐

DOE Office: Richland Operations Office

Contractor: Fluor Hanford

Permit Number: 6291-66A

Issuance Date: 06/30/2000

Expiration Date: 06/30/2001

Brief Summary of Relevant Information:

Annual permits and information updates are required each year for each active petroleum underground storage tank on the Hanford Site. The petroleum underground storage tanks store used oil, supply gasoline fuel for site vehicles, and supply diesel fuel for site vehicles and emergency generator systems. The 6291-66A tank contains diesel fuel. A new underground storage tank permit was submitted with a Master Business License 601 310 923.

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REFERENCES

DOE/RL-91-28, *Hanford Facility Dangerous Waste Permit Application, General Information Portion*, Rev. 4, U.S. Department of Energy, Richland Operations Office, Richland, Washington.

Ecology, EPA, and DOE, 1999, *Hanford Federal Facility Agreement and Consent Order*, Washington State Department of Ecology, U.S. Environmental Protection Agency, and U.S. Department of Energy, Olympia, Washington, amended periodically.

Ecology and U.S. DOE, 1991, *Consent Order No. DE91NM-177*, Washington Department of Ecology, and U.S. Department of Energy, Olympia, Washington.

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APPENDIX A

PERMIT MODIFICATION SCHEDULE

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HANFORD FACILITY RCRA PERMIT MODIFICATION SCHEDULE

Year & Mod.	TSD Unit	Part*	Status and Remarks
1994 Mod. 0	616 NRDWSF	III	In Rev. 0, Completed, approved
	305-B Storage Facility	III	In Rev. 0, Completed, approved
	183-H Solar Evaporation Basins	V	In Rev. 0, Completed, approved
	300 Area Solvent Evaporator	V	In Rev. 0, Completed, approved
	2727-S Storage Facility	V	In Rev. 0, Completed, approved
1995 Mod. A	Simulated High Level Waste Slurry Treatment & Storage	V	In Rev. 1, Completed, approved
	218-E-8 Borrow Pit Demolition Site	V	In Rev. 1, Completed, approved
	200 Area Ash Pit Demolition Site	V	In Rev. 1, Completed, approved
	2101 M Pond	V	In Rev. 1, Completed, approved
	216-B-3 Expansion Ponds	V	In Rev. 1, Completed, approved
1995 Mod. A'	Hanford Patrol Academy Demolition Sites	V	In Rev. 2, Completed, approved
	105-DR Large Sodium Fire Facility	V	In Rev. 2, Completed, approved
	304 Concretion Facility	V	In Rev. 2, Completed, approved
1996 Mod. B	PUREX Tunnels 1 & 2	III	In Rev. 3, Completed, approved
	4843 Alkali Metal Storage	V	In Rev. 3, Completed, approved
	3718-F Alkali Metal Treatment	V	In Rev. 3, Completed, approved
	300 Area Process Trenches	VI	In Rev. 3, Completed, approved
1997 Mod. C	Liquid Effluent Treatment Facility & 200 Effluent Treatment Facility	III	In Rev. 4, Completed, approved
	242-A Evaporator	III	In Rev. 4, Completed, approved
	325 Hazardous Waste Treatment Units	III	In Rev. 4, Completed, approved
	303-K Storage Facility	V	In Rev. 4, Completed, approved
	183-H Solar Evaporation Basins	VI	In Rev. 4, Completed, approved
1998 Mod. D	100 D Ponds	V	In Rev. 5, Completed, approved
	1325-N Liquid Waste Disposal	V	In Rev. 5, Completed, approved
	1301-N Liquid Waste Disposal	V	In Rev. 5, Completed, approved
	1324-N Surface Impoundment	V	In Rev. 5, Completed, approved
	1324-NA Percolation Pond	V	In Rev. 5, Completed, approved
1999 Mod. E	Waste Receiving and Processing Facility	III	
	Hanford Central Waste Complex	III	
	300 Waste Acid Treatment & Storage	V	
2000 Mod. F	222-S Laboratory Complex	III	
2000 Mod. F'	Vitrification-Privatization (British Nuclear Fuels Limited, Inc.)	III	
2001 Mod. G	Double-Shell Tank System & 204-AR Waste Unloading Station	III	
2002 Mod. H	Mixed Waste Disposal Units	III	
	T Plant Complex	III	
	Hexone Storage and Treatment Facility	V	
2003 Mod. I	Canister Storage Building – Immobilized High-Level Waste	III	
	Immobilized Low-Activity Waste Storage Facility	III	
	216-A-29 Ditch	V	
	216-B-3 Main Pond	V	
	216-B-63 Trench	V	
2004 Mod. J	216-S-10 pond and Ditch	V	
	Reissue Hanford Facility RCRA Permit		

Legend: * Part in Permit

Part III Final Status Operations

Part IV Corrective Actions for Past Practices

Part V Units Undergoing Closure

Part VI Units in Post-Closure

Note:

1. All TSD Units not shown in this table will be scheduled through a Class ¹ Permit Modification (requiring prior approval) to Attachment 27.
2. All Permit Modifications listed in this table will be conducted in accordance with the applicable requirements in WAC 173-303-830.
3. New TSD Part B Applications, if submitted, will be added to this table through a Class ¹ Permit Modification (requiring prior approval).

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