

Annual Hanford Site Environmental Permitting Status Report

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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 (Status Report) addresses the State Environmental Policy Act (SEPA) of 1971 and Condition II.W. (Other Permits and/or Approvals) of the Hanford Facility (HF) Resource Conservation and Recovery Act (RCRA) of 1976 Permit, Dangerous Waste Portion (DW Portion). Condition II.W. of the HF RCRA Permit 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. Condition II.W. of the HF RCRA Permit further specifies that the Permittees are to use their best efforts to obtain such permits. For the purposes of this permit condition, 'best efforts' mean submittal of documentation and/or approval(s) in accordance with schedules specified in applicable regulations, or as determined through negotiations with the applicable regulatory agencies.

This Status Report includes information on all existing and anticipated environmental permitting. Environmental permitting required by RCRA, the Hazardous and Solid Waste Amendments (HSWA) of 1984, and non-RCRA permitting (solid waste handling, Clean Air Act Amendments of 1990, Clean Water Act Amendments of 1987, Washington State waste discharge, and onsite sewage system) is addressed. Information on RCRA and non-RCRA permitting is current as of July 31, 1998.

For the purposes of RCRA and the State of Washington Hazardous Waste Management Act of 1976 [as administered through the Dangerous Waste Regulations, Washington Administrative Code (WAC) 173-303], the Hanford Facility is considered a single facility. As such, the Hanford Facility has been issued one U.S. Environmental Protection Agency (EPA)/State Identification Number (WA7890008967). This EPA/State identification number encompasses over 60 treatment, storage, and/or disposal (TSD) units. The Washington State Department of Ecology (Ecology) has been delegated authority by the EPA to administer the RCRA, including mixed waste authority.

The RCRA permitting approach for the Hanford Facility is addressed in the Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement). Pursuant to the Tri-Party Agreement, a single RCRA permit was issued by Ecology and the EPA to cover the Hanford Facility. The initial HF RCRA Permit was issued for less than the entire Hanford Facility because all TSD units cannot be permitted simultaneously. The HF RCRA Permit, through the permit modification process, eventually will incorporate all TSD units.

The current Hanford Facility Dangerous Waste Part A Permit Application (DOE/RL-88-21) consists of three "Dangerous Waste Permit Application, Form 1s" (submitted at the facility level) and over 60 "Dangerous Waste Permit Application, Form 3s" (submitted for each TSD unit or group of units located on the Hanford Facility). In satisfaction of the Tri-Party Agreement Milestone M-20 schedule, Part B dangerous waste permit application and closure plan documentation has been submitted for several Hanford Facility TSD units. Certified Part B dangerous waste permit application documentation for one or more of these TSD units, along with the Hanford Facility Dangerous Waste Permit Application, General Information Portion (DOE/RL-91-28), submitted in October 1991, constituted a complete dangerous waste permit application meeting all requirements of the Tri-Party Agreement, 40 Code of Federal Regulations (CFR) 270.1(c)(4), and WAC 173-303-806. The HF RCRA Permit (Revision 0) became effective on September 28, 1994.

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. This Status Report identifies existing facility-specific and sitewide compliance activities and requirements.

The Radioactive Air Emissions Program Permit (FF-01) governs the operations of radioactive emissions sources that have the potential to emit equal to or greater than 10 percent of the Derived Concentration Guide values.

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 is applying for an air operating permit that is expected to be completed by late 1998.

The Sitewide National Pollutant Discharge Elimination System Permit (NPDES) (WA-000374-3) and the 300 Area Treated Effluent Disposal Facility NPDES Permit (WA-002591-7) govern liquid process effluent discharges to the Columbia River. The NPDES Storm Water General Permit (WA-R-000-00F) governs storm water discharges to the Columbia River.

Consent Order DE 91NM-177, a legal document signed by the U.S. Department of Energy, Richland Operations Office and Ecology on December 23, 1991, provides compliance milestones for the liquid effluents discharged to the ground. These milestones include the submittal of Washington State Waste Discharge Permit applications and other compliance documentation for streams that discharge to the ground. Other Hanford Site permitting addressed in this report includes RCRA research, development, and demonstration; solid waste handling; onsite sewage system; and petroleum underground storage tanks.

ANNUAL HANFORD SITE ENVIRONMENTAL PERMITTING STATUS REPORT

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ACRONYMS

ALARA	as low as reasonably achievable
CFR	Code of Federal Regulations
DOE	U.S. Department of Energy
DOE-RL	U.S. Department of Energy, Richland Operations Office
DW	dangerous waste
Ecology	Washington State Department of Ecology
EPA	U.S. Environmental Protection Agency
ETF	Effluent Treatment Facility
HF RCRA Permit	Hanford Facility RCRA Permit
HSWA	Hazardous and Solid Waste Amendments of 1984
LERF	Liquid Effluent Retention Facility
N/A	not applicable
NESHAPs	National Emission Standards for Hazardous Air Pollutants
NPDES	National Pollutant Discharge Elimination System
PSD	Prevention of Significant Deterioration
PUREX	plutonium-uranium extraction
RCRA	Resource Conservation and Recovery Act of 1976
RD&D	research, development, and demonstration
TBD	to be determined
Tri-Party Agreement	Hanford Federal Facility Agreement and Consent Order
TSCA	Toxic Substances Control Act of 1976
TSD	treatment, storage, and/or disposal
WAC	Washington Administrative Code
WPPSS	Washington Public Power Supply System

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**RESOURCE CONSERVATION AND RECOVERY ACT PERMITTING
PART A AND PART B PERMITTING**

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DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: RCRA

Permitting Agency: Washington State Department of Ecology

Permit Number: WA7890008967

Permitted Unit: Hanford Facility

Issuance Date: 09/28/94

Expiration Date: 09/2/04

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

The initial HF RCRA Permit (Revision 0) was issued by Ecology and the 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 4 of the HF RCRA Permit became effective February 28, 1998.

The permit is a single application organized into a General Information Portion (GIP) and the Unit-Specific Portion discussed in the previous paragraph. 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. Revision 4 was submitted to Ecology on June 1, 1998 for inclusion into the HF RCRA Permit. Revision 4 contains information current through May 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: RCRA

Permitting Agency: Washington State Department of Ecology

Permit Number: WA7890008967

Permitted Unit: 200 Area Effluent Treatment Facility

Issuance Date: 02/25/98

Expiration Date: 09/27/04

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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. Five revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted.

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. The LERF and ETF permit application was incorporated into the HF RCRA Permit (DW Portion) in Revision 4A, February 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: RCRA

Permitting Agency: Washington State Department of Ecology

Permit Number: WA7890008967

Permitted Unit: 204-AR Waste Unloading Station

Issuance Date:

Expiration Date:

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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. Four revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted.

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 Modification F, calendar year 2000.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: RCRA

Permitting Agency: Washington State Department of Ecology

Permit Number: WA7890008967

Permitted Unit: 222-S Laboratory Complex

Issuance Date:

Expiration Date:

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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. Six revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted.

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 Modification F, calendar year 2000.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: RCRA

Permitting Agency: Washington State Department of Ecology

Permit Number: WA7890008967

Permitted Unit: 224-T Transuranic Waste Storage and Assay Facility

Issuance Date:

Expiration Date:

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Part A, Form 3, dangerous waste permit application documentation for the 224-T Transuranic Waste Storage and Assay Facility (TRUSAF) 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.

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. Notice of Deficiency comments were received from Ecology on January 27, 1994. The Notice of Deficiency response table was submitted to Ecology on May 26, 1994. The Notice of Deficiency response table is under review by the regulators. Ecology has not responded to this submittal. 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 during Modification E to submittal of a 224-T TRUSAF Closure Plan during Modification E, calendar year 1999, pending approval by Ecology.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: RCRA

Permitting Agency: Washington State Department of Ecology

Permit Number: WA7890008967

Permitted Unit: 241-Z Treatment and Storage Tanks

Issuance Date:

Expiration Date:

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Part A, Form 3, dangerous waste permit application documentation for the 241-Z Treatment Tank originally was submitted to Ecology and the EPA in November 1987. Five revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted.

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 in the HF RCRA Permit has not been defined.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: RCRA

Permitting Agency: Washington State Department of Ecology

Permit Number: WA7890008967

Permitted Unit: 242-A Evaporator

Issuance Date: 02/28/98

Expiration Date: 09/24/04

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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. Seven revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted.

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) in February 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: RCRA

Permitting Agency: Washington State Department of Ecology

Permit Number: WA7890008967

Permitted Unit: 305-B Storage Unit

Issuance Date: 09/28/94

Expiration Date: 09/27/04

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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.

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 Revision 0 of the HF RCRA Permit (DW Portion) that became effective on September 28, 1994. Several Class 1 modifications of the application documentation have been submitted quarterly following incorporation of the unit into the HF RCRA Permit (DW Portion).

A Class 2 change was filed in June 1998 to update the unit contingency plan in accordance with the Plutonium Reclamation Facility incident response working group.

Compiled by: Pacific Northwest National Laboratory
Environmental Management Services

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: RCRA

Permitting Agency: Washington State Department of Ecology

Permit Number: WA7890008967

Permitted Unit: 325 Hazardous Waste Treatment Units

Issuance Date: 01/28/98

Expiration Date: 09/27/2004

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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.

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 Hazardous Waste Treatment Units Part A, Form 3, on December 2, 1994. A tank system to collect discharges formerly made to the 300 Area Radioactive Liquid Waste System (RLWS) was added to the permit documentation in 1997. Revision 1 of the 325 HWTUs Part B dangerous waste permit application documentation was incorporated into Revision 4 of the HF RCRA Permit (DW Portion) that became effective on January 28, 1998. Several Class 1 modifications of the application documentation have been submitted quarterly following incorporation of the unit into the HF RCRA Permit (DW Portion).

A Class 2 change was filed in June 1998 to update the unit contingency plan in accordance with the Plutonium Reclamation Facility incident response working group.

Compiled by: Pacific Northwest National Laboratory
Environmental Management Services

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: RCRA

Permitting Agency: Washington State Department of Ecology

Permit Number: WA7890008967

Permitted Unit: 600 Area Purgewater Storage and Treatment Facility

Issuance Date:

Expiration Date:

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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. Two revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted.

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: RCRA

Permitting Agency: Washington State Department of Ecology

Permit Number: WA7890008967

Permitted Unit: 616 Nonradioactive Dangerous Waste Storage Facility

Issuance Date: 09/28/94 (Date Revision 0 of the HF RCRA Permit became effective, 30 days after permit issuance.)

Expiration Date: 09/27/04

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Part A, Form 3, and Part B dangerous waste permit application documentation for the 616 Nonradioactive Dangerous Waste Storage Facility originally was submitted to Ecology and the EPA in November 1985. Seven revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted.

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 III modification has been submitted following incorporation into the HF RCRA Permit (DW Portion).

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: RCRA

Permitting Agency: Washington State Department of Ecology

Permit Number: WA7890008967

Permitted Unit: Central Waste Complex

Issuance Date:

Expiration Date:

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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. Four revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted.

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. A working draft (WD-1) of the Central Waste Complex Part B dangerous waste permit application documentation was submitted to Ecology and the EPA on December 31, 1994. Working draft (WD-2) was submitted to Ecology in January 1997. Final Part B permit application submitted on June 1, 1998. The Central Waste Complex is scheduled for incorporation into the HF RCRA Permit (DW Portion) in Modification D, calendar year 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: RCRA

Permitting Agency: Washington State Department of Ecology

Permit Number: WA7890008967

Permitted Unit: Double-Shell Tank System

Issuance Date:

Expiration Date:

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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. Eight revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted.

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. The first Notice of Deficiency was received from Ecology on March 24, 1993. A Notice of Deficiency response table was prepared and submitted to Ecology and the EPA on July 13, 1993. A second set of Notice of Deficiency comments was received from Ecology on February 8, 1994. Workshops are ongoing with Ecology to finalize Revision 1 of 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 Modification F, calendar year 2000.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: RCRA

Permitting Agency: Washington State Department of Ecology

Permit Number: WA7890008967

Permitted Unit: Grout Treatment Facility

Issuance Date:

Expiration Date:

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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. Five revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted.

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. A letter notifying Ecology and the EPA that all work on the Grout Treatment Facility Part B dangerous waste permit application documentation was discontinued was submitted on April 26, 1994.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: RCRA

Permitting Agency: Washington State Department of Ecology

Permit Number: WA7890008967

Permitted Unit: Hanford Waste Vittrification Plant

Issuance Date:

Expiration Date:

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Part A, Form 3, dangerous waste permit application documentation for the Hanford Waste Vittrification Plant originally was submitted to Ecology and the EPA in May 1988. Five revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted.

Per Amendment Four of the Tri-Party Agreement, construction of a high-level waste vittrification plant, such as the Hanford Waste Vittrification Plant, was delayed until 2002 to accommodate changes in waste management planning and prioritization. Hot startup of a high-level waste vittrification plant has been delayed until 2009 (per Tri-Party Agreement Milestone M-51-03).

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: RCRA

Permitting Agency: Washington State Department of Ecology

Permit Number: WA7890008967

Permitted Unit: Liquid Effluent Retention Facility

Issuance Date: 02/28/98

Expiration Date: 09/27/04

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Part A, Form 3, dangerous waste permit application documentation for the Liquid Effluent Retention Facility (LERF) originally was submitted to Ecology and the EPA in February 1990. Six revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted.

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 Effluent Treatment Facility (ETF) Part B dangerous waste permit applications have been combined into one Part B permit application, Revision 0. The LERF/ETF permit application was incorporated into the HF RCRA Permit (DW Portion) in February 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: RCRA

Permitting Agency: Washington State Department of Ecology

Permit Number: WA7890008967

Permitted Unit: Low-Level Burial Grounds

Issuance Date:

Expiration Date:

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Part A, Form 3, for the Low-Level Burial Grounds originally was submitted to Ecology and the EPA in October 1985. Ten revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted.

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 has been delayed pending finalization of the Hanford Solid Waste Environmental Impact Statement.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: RCRA

Permitting Agency: Washington State Department of Ecology

Permit Number: WA7890008967

Permitted Unit: PUREX Storage Tunnels

Issuance Date: 12/26/69

Expiration Date: 09/27/04

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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. Five revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted. The PUREX Storage Tunnels store material from the PUREX Plant and other sources.

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 Revision 3 of the HF RCRA Permit (DW Portion) that became effective in December 1996. Revision 4 of the PUREX Storage Tunnels Part B dangerous waste permit application documentation was submitted to Ecology on April 14, 1997, and identifies Fluor Daniel Hanford, Inc., as the new co-operator. This submittal was performed at the request of Ecology and was considered a Class 1 Modification. A Class 2 modification was submitted to Ecology on June 1, 1998 to incorporate changes to the building emergency plan.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: RCRA

Permitting Agency: Washington State Department of Ecology

Permit Number: WA7890008967

Permitted Unit: Sodium Storage Facility and Sodium Reaction Facility

Issuance Date:

Expiration Date:

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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. One revision of the Part A, Form 3, dangerous waste permit application documentation has been submitted.

Shutdown of the Fast Flux Test Facility began in 1993. A study to determine if the sodium removed from the Fast Flux Test Facility has any beneficial use is to be completed in 1998. In the event that a beneficial use cannot be found, the Sodium Storage Facility and Sodium Reaction Facility will be relied on to process the sodium for disposal. The unit is being designed and constructed as a RCRA- compliant unit, in the event that the Fast Flux Test Facility sodium is determined to be a waste. Construction of the Sodium Storage Facility under interim status began in June 1995.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: RCRA

Permitting Agency: Washington State Department of Ecology

Permit Number: WA7890008967

Permitted Unit: T Plant Complex

Issuance Date:

Expiration Date:

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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. Six revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted.

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 2001.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: RCRA

Permitting Agency: Washington State Department of Ecology

Permit Number: WA7890008967

Permitted Unit: Waste Receiving and Processing Facility

Issuance Date:

Expiration Date:

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Part A, Form 3, dangerous waste permit application documentation for Waste Receiving and Processing Facility (WRAP) originally was submitted to Ecology and the EPA on January 25, 1995. One revision of the Part A, Form 3, dangerous waste permit application documentation has been submitted.

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. WRAP, Part B permit application, Revision 1, is scheduled to be incorporated into the HF RCRA Permit (DW Portion) in Modification D, calendar year 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: RCRA

Permitting Agency: Washington State Department of Ecology

Permit Number: WA7890008967

Permitted Unit: Waste Encapsulation and Storage Facility

Issuance Date:

Expiration Date:

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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.

Two areas within WESF will store capsules and/or unencapsulated salts. Pool cells will provide underwater storage for radiological protection from the cesium-137 and strontium-90 capsules. Dry process cells will provide interim dry storage of capsules and/or unencapsulated salts.

Schedule for submittal of the Part B permit application is to be determined at a future date.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

**RESOURCE CONSERVATION AND RECOVERY ACT PERMITTING
WITHDRAWAL REQUESTS AND PROCEDURAL CLOSURES**

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DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: RCRA Procedural Closure

Permitting Agency: Washington State Department of Ecology

Permit Number: WA7890008967

Permitted Unit: 221-T Containment Systems Test Facility

Issuance Date:

Expiration Date:

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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.

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. In subsequent meetings with Ecology, Ecology requested additional information. This additional information has been submitted. Ecology is proceeding on this procedural closure with closure anticipated in FY 1999.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: RCRA Procedural Closure

Permitting Agency: Washington State Department of Ecology

Permit Number: WA7890008967

Permitted Unit: 324 Pilot Plant

Issuance Date:

Expiration Date:

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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.

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 that procedural closure occurred.

Compiled by: Pacific Northwest National Laboratory
Environmental Management Services

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: RCRA Procedural Closure

Permitting Agency: Washington State Department of Ecology

Permit Number: WA7890008967

Permitted Unit: 332 Storage Facility

Issuance Date:

Expiration Date:

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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.

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 that procedural closure occurred.

Compiled by: Pacific Northwest National Laboratory
Environmental Management Services

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: RCRA Procedural Closure

Permitting Agency: Washington State Department of Ecology

Permit Number: WA7890008967

Permitted Unit: 437 Maintenance and Storage Facility

Issuance Date:

Expiration Date:

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Part A, Form 3, and Part B dangerous waste permit application documentation for the 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.

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 decision to shutdown the Fast Flux Test Facility was made in 1994. Procedural closure, in accordance with Section 6.3.3 of the Tri-Party Agreement, has been halted while FFTF undergoes evaluation of startup for tritium production.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: RCRA Procedural Closure

Permitting Agency: Washington State Department of Ecology

Permit Number: WA7890008967

Permitted Unit: 1706-KE Waste Treatment System

Issuance Date:

Expiration Date:

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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.

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. Funding is being sought to perform a full closure.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: RCRA Procedural Closure

Permitting Agency: Washington State Department of Ecology

Permit Number: WA7890008967

Permitted Unit: 2727-WA Sodium Reactor Experiment Sodium Storage Building

Issuance Date:

Expiration Date:

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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. One revision of the Part A, Form 3, dangerous waste permit application documentation has been submitted.

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. Ecology is proceeding on this withdrawal request closure and it is anticipated to be closed in FY 1999.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit () Renewal () New Permit (X)

Permit Type: RCRA Procedural Closure

Permitting Agency: Washington State Department of Ecology

Permit Number: WA7890008967

Permitted Unit: Biological Treatment Test Facilities

Issuance Date:

Expiration Date:

Need for Headquarters' Action Yes () No (X)
(for permit renewals or new permits) If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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.

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 that procedural closure occurred.

Compiled by: Pacific Northwest National Laboratory
Environmental Management Services

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: RCRA Procedural Closure

Permitting Agency: Washington State Department of Ecology

Permit Number: WA7890008967

Permitted Unit: Physical and Chemical Treatment Test Facilities

Issuance Date:

Expiration Date:

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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.

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 that procedural closure occurred.

Compiled by: Pacific Northwest National Laboratory
Environmental Management Services

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: RCRA Procedural Closure

Permitting Agency: Washington State Department of Ecology

Permit Number: WA7890008967

Permitted Unit: Thermal Treatment Test Facilities

Issuance Date:

Expiration Date:

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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.

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 that procedural closure occurred.

Compiled by: Pacific Northwest National Laboratory
Environmental Management Services

Date: July 31, 1998

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

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DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: RCRA

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

Permit Number: WA7890008967

Permitted Unit: Waste Water Pilot Plant

Issuance Date: 05/04/94

Expiration Date: 06/06/98

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Work under the RD&D permit was completed in 1995. On April 21, 1997, a letter was submitted to Ecology initiating closure activities for the Waste Water Pilot Plant permitted areas.

The RD&D permit closure activities were completed in October 1997. In March 1998, Ecology acknowledged the unit was closed and the RD&D permit automatically expired on June 6, 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

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TOXIC SUBSTANCES CONTROL ACT PERMITTING

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DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: TSCA

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit Number:

Permitted Unit: Low-Level Burial Grounds

Issuance Date:

Expiration Date:

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Revision 2 of the Request for Interim Approval to Operate Trench 94 of the 218-E-12B Burial Ground as a Chemical Waste Landfill for Disposal of Polychlorinated Biphenyl Waste in Submarine Reactor Compartments was submitted to the EPA on June 10, 1994. This revision sought interim approval to operate a Toxic Substances Control Act chemical waste landfill for the disposal of polychlorinated biphenyl waste.

The EPA tentatively approved the chemical waste landfill request pending issuance of the Low-Level Burial Grounds Part B dangerous waste permit application documentation. The EPA determined that DOE-RL's documentation of compliance with WAC 173-303, which is equivalent to or more stringent than Toxic Substances Control Act chemical requirements, would be sufficient to show compliance with the Toxic Substances Control Act requirements. The Low-Level Burial Ground permit application was scheduled for incorporation into the HF RCRA Permit (DW Portion) in Modification C, December 1997, but has been delayed pending finalization of the Hanford Solid Waste Environmental Impact Statement.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

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**RESOURCE CONSERVATION AND RECOVERY ACT PERMITTING
CLOSURE PLANS**

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DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: RCRA Closure Plan

Permitting Agency: Washington State Department of Ecology

Permit Number: WA7890008967

Permitted Unit: 100-D Ponds

Issuance Date:

Expiration Date:

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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.

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 is scheduled to be incorporated into the HF RCRA Permit (DW Portion) in Modification D, calendar year 1998.

Unit characterization was performed in January 1995. A data quality objectives process was carried out between December 1995 and January 1996. This process concluded that sampling was adequate to characterize the surface soils at the unit. Excavation of contaminated surface soils occurred in the last quarter of fiscal year 1996 and this date concluded clean closure of 100-D Ponds.

Compiled by: Bechtel Hanford, Inc.
Regulatory Support

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: RCRA Closure Plan

Permitting Agency: Washington State Department of Ecology

Permit Number: WA7890008967

Permitted Unit: 105-DR Large Sodium Fire Facility

Issuance Date: 09/28/95 (Date Revision 2 of the HF RCRA Permit became effective, 30 days after permit issuance.)

Expiration Date: 09/27/04

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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. Three revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted.

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. Revision 2 of the closure plan was submitted to Ecology and the EPA in April 1995. The 105-DR Large Sodium Fire Facility Closure Plan was incorporated into Revision 2 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 Modification D, scheduled for calendar year 1998, the HF RCRA Permit will be modified to incorporate (by reference) the CERCLA remedy decision document (i.e., the Action Memorandum, approved July 1998) to satisfy RCRA TSD unit closure requirements of WAC 173-303-600..

Compiled by: Bechtel Hanford, Inc.
Regulatory Support

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: RCRA Closure Plan

Permitting Agency: Washington State Department of Ecology

Permit Number: WA7890008967

Permitted Unit: 200 West Area Ash Pit Demolition Site

Issuance Date: 05/29/95 (Date Revision 1 of the HF RCRA Permit became effective, 30 days after permit issuance.)

Expiration Date: 09/27/04

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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.

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. Revision 1 of the closure plan was submitted to Ecology and the EPA in October 1994. Revision 1 of the 200 West Area Ash Pit Demolition Site Closure Plan was incorporated into Revision 1 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 as of 10/26/95" and submitted to Ecology on November 28, 1995.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: RCRA Closure Plan

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

Permit Number: WA7890008967

Permitted Unit: 207-A South Retention Basin

Issuance Date:

Expiration Date:

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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. Two revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted.

A Tri-Party Agreement change request was prepared to coordinate the 207-A South Retention Basin closure plan with the past-practice documentation for the 200-PO-5 Operable Unit. The submittal date for this documentation is October 31, 2003, to Ecology and the EPA.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: RCRA Closure Plan

Permitting Agency: Washington State Department of Ecology

Permit Number: WA7890008967

Permitted Unit: 216-B-3 Expansion Ponds

Issuance Date: 05/29/95 (Date Revision 1 of the HF RCRA Permit became effective, 30 days after permit issuance.)

Expiration Date: 09/27/04

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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.

Revision 2 of the 216-B-3 Expansion Ponds Closure Plan was incorporated into Revision 1 of the HF RCRA Permit (DW Portion) that became effective on 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 as of 06/27/95" and submitted to Ecology on July 31, 1995.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: RCRA Closure Plan

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

Permit Number: WA7890008967

Permitted Unit: 216-B-63 Trench

Issuance Date:

Expiration Date:

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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. Three revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted.

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 2000.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: RCRA Closure Plan

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

Permit Number: WA7890008967

Permitted Unit: 216-S-10 Pond and Ditch

Issuance Date:

Expiration Date:

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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 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 by June 1999, coordinated with the past-practice documentation for the 200-RO-1 Operable Unit.

Compiled by: Bechtel Hanford, Inc.
Regulatory Support

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: RCRA Closure Plan

Permitting Agency: Washington State Department of Ecology

Permit Number: WA7890008967

Permitted Unit: 218-E-8 Borrow Pit Demolition Site

Issuance Date: 05/29/95 (Date Revision 1 of the HF RCRA Permit became effective, 30 days after permit issuance.)

Expiration Date: 09/27/04

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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.

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. Revision 1 of the closure plan was submitted to Ecology and the EPA in September 1994. Revision 1 of the 218-E-8 Borrow Pit Demolition Site Closure Plan was incorporated into Revision 1 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 as of 10/26/95" and submitted to Ecology on November 28, 1995.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: RCRA Closure Plan

Permitting Agency: Washington State Department of Ecology

Permit Number: WA7890008967

Permitted Unit: 300 Area Solvent Evaporator

Issuance Date: 09/28/94 (Date Revision 0 of the HF RCRA Permit became effective, 30 days after permit issuance.)

Expiration Date: 09/27/04

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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 300 Area Solvent Evaporator Closure Plan was submitted to Ecology and the EPA in February 1989. Revision 3B of the 300 Area Solvent Evaporator Closure Plan was incorporated into Revision 0 of the HF RCRA Permit (DW Portion) 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 as of 06/27/95" and submitted to Ecology on July 31, 1995.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: RCRA Closure Plan

Permitting Agency: Washington State Department of Ecology

Permit Number: WA7890008967

Permitted Unit: 300 Area Waste Acid Treatment System

Issuance Date:

Expiration Date:

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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.

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 1 of the closure plan was submitted to the regulators on April 9, 1996. The 300 Area Waste Acid Treatment System is scheduled to be incorporated into the HF RCRA Permit (DW Portion) in Modification E, December 1999.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: RCRA Closure Plan

Permitting Agency: Washington State Department of Ecology

Permit Number: WA7890008967

Permitted Unit: 303-K Storage Facility

Issuance Date: 12/26/96

Expiration Date: 09/27/04

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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.

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. Revision 2A of the closure plan was submitted in July 1995. The 303-K Storage Facility was incorporated into Revision 3 of the HF RCRA Permit (DW Portion) in December 1996. Closure activities began in October 1997.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: RCRA

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

Permit Number: WA7890008967

Permitted Unit: 303-M Oxide Facility

Issuance Date:

Expiration Date:

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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.

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.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: RCRA Closure Plan

Permitting Agency: Washington State Department of Ecology

Permit Number: WA7890008967

Permitted Unit: 304 Concretion Facility

Issuance Date: 09/28/95 (Date Revision 2 of the HF RCRA Permit became effective, 30 days after permit issuance.)

Expiration Date: 09/27/04

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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.

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. Revision 2A of the 304 Concretion Facility Closure Plan was incorporated into Revision 2 of the HF RCRA Permit (DW Portion) that became effective 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 as of 11/30/95" and submitted to Ecology on January 21, 1996.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: RCRA Closure Plan

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

Permit Number: WA7890008967

Permitted Unit: 1324-N Surface Impoundment

Issuance Date:

Expiration Date:

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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.

This TSD unit will be included in the 1324-N Surface Impoundment and 1324-NA Percolation Pond Closure Plan. Tri-Party Agreement Milestone M-20-35 required submittal of an updated 1324-N Surface Impoundment and 1324-NA Percolation Pond Closure and Postclosure Plan to Ecology and the EPA by September 30, 1994. Tri-Party Agreement change request M-20-94-01 was approved on May 20, 1994, changing the submittal date of an updated closure and postclosure plan to a "to be determined". This unit was included as an attachment to the corrective measures study for the 100-N Area TSD units which was issued as a Rev. 0 in February 1998. The 1324-N Surface Impoundment is scheduled to be incorporated into the HF RCRA Permit (DW Portion) in Modification D, calendar year 1998.

Compiled by: Bechtel Hanford, Inc.
Regulatory Support

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: RCRA Closure Plan

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

Permit Number: WA7890008967

Permitted Unit: 1324-NA Percolation Pond

Issuance Date:

Expiration Date:

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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 1324-NA Percolation Pond Closure Plan originally was submitted to Ecology and the EPA in April 1987. This TSD unit will be included in the 1324-N Surface Impoundment and 1324-NA Percolation Pond Closure Plan. Tri-Party Agreement Milestone M-20-35 required submittal of an updated 1324-N Surface Impoundment and 1324-NA Percolation Pond Closure and Postclosure Plan to Ecology and the EPA by September 30, 1994. Tri-Party Agreement change request M-20-94-01 was approved on May 20, 1994, changing the submittal date of an updated closure and postclosure plan to a "to be determined." This unit was included as an attachment to the corrective measures study for the 100-N Area TSD units which was issued as a Rev. 0 in February 1998. The 1324-NA Percolation Pond is scheduled to be incorporated into the HF RCRA Permit (DW Portion) in Modification D, calendar year 1998.

Compiled by: Bechtel Hanford, Inc.
Regulatory Support

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: RCRA Closure Plan

Permitting Agency: Washington State Department of Ecology

Permit Number: WA7890008967

Permitted Unit: 2101-M Pond

Issuance Date: 05/29/95 (Date Revision 1 of the HF RCRA Permit became effective, 30 days after permit issuance.)

Expiration Date: 09/27/04

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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.

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. Revision 2 of the 2101-M Pond Closure Plan was incorporated into Revision 1 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 as of 10/26/95" and submitted to Ecology on November 28, 1995.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: RCRA Closure Plan

Permitting Agency: Washington State Department of Ecology

Permit Number: WA7890008967

Permitted Unit: 2727-S Storage Facility

Issuance Date: 09/28/94 (Date Revision 0 of the HF RCRA Permit became effective, 30 days after permit issuance.)

Expiration Date: 09/27/04

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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 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) 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 as of 06/27/95" and submitted to Ecology on July 31, 1995.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: RCRA Closure Plan

Permitting Agency: Washington State Department of Ecology

Permit Number: WA7890008967

Permitted Unit: 3718-F Alkali Metal Treatment and Storage Facility

Issuance Date: 12/26/96

Expiration Date: 09/27/04

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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.

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) in December 1996.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: RCRA Closure Plan

Permitting Agency: Washington State Department of Ecology

Permit Number: WA7890008967

Permitted Unit: 4843 Alkali Metal Storage Facility

Issuance Date: 12/26/96

Expiration Date: 09/27/04

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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 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) 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".

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: RCRA

Permitting Agency: Washington State Department of Ecology

Permit Number: WA7890008967

Permitted Unit: B Plant Complex

Issuance Date:

Expiration Date:

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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. Five revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted.

B Plant Complex is being decommissioned 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 submitted to Ecology in March of 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: RCRA Closure Plan

Permitting Agency: Washington State Department of Ecology

Permit Number: WA7890008967

Permitted Unit: Hanford Patrol Academy Demolition Sites

Issuance Date: 09/28/95 (Date Revision 2 of the HF RCRA Permit became effective, 30 days after permit issuance.)

Expiration Date: 09/27/04

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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.

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. Revision 1 of the Hanford Patrol Academy Demolition Sites Closure Plan was incorporated into Revision 2 of the HF RCRA Permit (DW Portion) that became effective 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 as of 10/26/95" and submitted to Ecology on November 28, 1995.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: RCRA Closure Plan

Permitting Agency: Washington State Department of Ecology

Permit Number: WA7890008967

Permitted Unit: Hexone Storage and Treatment Facility

Issuance Date:

Expiration Date:

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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.

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. Notice of Deficiency comments were received from Ecology on April 20, 1993. The Notice of Deficiency response table was submitted to Ecology and the EPA on July 19, 1993. The Notice of Deficiency response table is under review by the regulators.

Compiled by: Bechtel Hanford, Inc.
Regulatory Support

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: RCRA Closure Plan

Permitting Agency: Washington State Department of Ecology

Permit Number: WA7890008967

Permitted Unit: PUREX Plant

Issuance Date:

Expiration Date:

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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.

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; (2) PUREX Facility Surveillance and Maintenance Plan, May 16, 1996; and (3) PUREX Facility End Point Criteria, June 21, 1995. 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.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: RCRA Closure Plan

Permitting Agency: Washington State Department of Ecology

Permit Number: WA7890008967

Permitted Unit: Simulated High-Level Waste Slurry Treatment/Storage

Issuance Date: 05/29/95 (Date Revision 1 of the HF RCRA Permit became effective, 30 days after permit issuance.)

Expiration Date: 09/27/04

Need for Headquarters' Action

(for permit renewals or new permits)

Yes () No (X)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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.

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. Revision 6 of the Simulated High-Level Waste Slurry Treatment/Storage Closure Plan was incorporated into Revision 1 of the HF RCRA Permit (DW Portion) that became effective 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 as of 09/06/95" and submitted to Ecology on October 23, 1995.

Compiled by: Pacific Northwest National Laboratory
Environmental Management Services

Date: July 31, 1998

**RESOURCE CONSERVATION AND RECOVERY ACT PERMITTING
CLOSURE AND POSTCLOSURE PLANS**

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DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: RCRA Closure/Postclosure Plan

Permitting Agency: Washington State Department of Ecology

Permit Number: WA7890008967

Permitted Unit: 183-H Solar Evaporation Basins

Issuance Date: 09/28/94 (Date Revision 0 of the HF RCRA Permit became effective, 30 days after permit issuance.)

Expiration Date: 09/27/04

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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 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 Revision 0 of the HF RCRA Permit (DW Portion) that became effective on September 28, 1994. This unit was certified as closed on July 26, 1996. Postclosure care will be required under a modified closure option. A postclosure plan was submitted to Ecology during December 1996 for inclusion in Modification C of the HF RCRA Permit.

Compiled by: Bechtel Hanford, Inc.
Regulatory Support

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: RCRA Closure and Postclosure Plan

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

Permit Number: WA7890008967

Permitted Unit: 216-A-10 Crib

Issuance Date:

Expiration Date:

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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.

Tri-Party Agreement Milestone M-20-33 requires submittal of the 216-A-10 Crib Closure and Postclosure Plan to Ecology and the EPA by June 1998, coordinated with the past-practice documentation for the 200-PO-2 Operable Unit.

Compiled by: Bechtel Hanford, Inc.
Regulatory Support

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: RCRA Closure and Postclosure Plan

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

Permit Number: WA7890008967

Permitted Unit: 216-A-29 Ditch

Issuance Date:

Expiration Date:

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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 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-BP-11 Operable Unit. The 216-A-29 Ditch is scheduled to be incorporated into the HF RCRA Permit (DW Portion) in calendar year 2000.

Compiled by: Bechtel Hanford, Inc.
Regulatory Support

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: RCRA Closure and Postclosure Plan

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

Permit Number: WA7890008967

Permitted Unit: 216-A-36B Crib

Issuance Date:

Expiration Date:

Need for Headquarters' Action

(for permit renewals or new permits)

Yes () No (X)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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 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 and the EPA by June 1998, coordinated with the past-practice documentation for the 200-PO-2 Operable Unit.

Compiled by: Bechtel Hanford, Inc.
Regulatory Support

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: RCRA Closure and Postclosure Plan

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

Permit Number: WA7890008967

Permitted Unit: 216-A-37-1 Crib

Issuance Date:

Expiration Date:

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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.

Tri-Party Agreement Milestone M-20-52 was established to coordinate the 216-A-37-1 Crib Closure and Postclosure Plan with the past-practice documentation for the 200-PO-4 Operable Unit. The submittal date for this documentation is October 1998.

Compiled by: Bechtel Hanford, Inc.
Regulatory Support

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: RCRA Closure and Postclosure Plan

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

Permit Number: WA7890008967

Permitted Unit: 216-B-3 Main Pond and 216-B-3-3 Ditch

Issuance Date:

Expiration Date:

Need for Headquarters' Action

(for permit renewals or new permits)

Yes () No (X)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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. Five revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted.

Tri-Party Agreement Milestone M-13-07 directed the closure of the 216-B-3 Main Pond and 216-B-3-3 Ditch 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-BP-11 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 scheduled to be incorporated into the HF RCRA Permit (DW Portion) in calendar year 2000.

Compiled by: Bechtel Hanford, Inc.
Regulatory Support

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: RCRA Closure and Postclosure Plan

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

Permit Number: WA7890008967

Permitted Unit: 216-U-12 Crib

Issuance Date:

Expiration Date:

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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.

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, the 216-U-12 Crib is not scheduled to be incorporated into the HF RCRA Permit (DW Portion) until after the year 2000.

Compiled by: Bechtel Hanford, Inc.
Regulatory Support

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: RCRA Closure and Postclosure Plan

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

Permit Number: WA7890008967

Permitted Unit: 241-CX Tank System

Issuance Date:

Expiration Date:

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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.

A Tri-Party Agreement change request is being prepared to coordinate the 241-CX Tank System Closure Plan with the past-practice documentation for the 200-SO-1 Operable Unit. The submittal date for this documentation will be negotiated with Ecology and the EPA.

Compiled by: Bechtel Hanford, Inc.
Regulatory Support

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: RCRA Closure and Postclosure Plan

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

Permit Number: WA7890008967

Permitted Unit: 300 Area Process Trenches

Issuance Date: 12/26/96

Expiration Date: 09/27/04

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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.

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 that was effective in December 1996. The conditions and requirements are contained in Part VI, Chapter 1 of the HF RCRA Permit. Certification of closure occurred in May 1998. The unit is undergoing postclosure care.

Compiled by: Bechtel Hanford, Inc.
Regulatory Support

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: RCRA Closure and Postclosure Plan

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

Permit Number: WA7890008967

Permitted Unit: 1301-N Liquid Waste Disposal Facility

Issuance Date:

Expiration Date:

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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.

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 by May 31, 1994. Tri-Party Agreement change request M-20-94-01 was approved on May 20, 1994, changing the submittal date of the updated closure and postclosure plan to a "to be determined." This unit was included as an attachment to the corrective measures study for the 100-N Area TSD units which was issued as a Rev. 0 in February 1998. The 1301-N Liquid Waste Disposal Facility is scheduled to be incorporated into the HF RCRA Permit (DW Portion) in Modification D, calendar year 1998.

Compiled by: Bechtel Hanford, Inc.
Regulatory Support

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: RCRA Closure and Postclosure Plan

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

Permit Number: WA7890008967

Permitted Unit: 1325-N Liquid Waste Disposal Facility

Issuance Date:

Expiration Date:

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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.

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 by May 31, 1994. Tri-Party Agreement change request M-20-94-01 was approved on May 20, 1994, changing the submittal date of the updated closure and postclosure plan to a "to be determined". This unit was included as an attachment to the corrective measures study for the 100-N Area TSD units which was issued as a Rev. 0 in February 1998. The 1325-N Liquid Waste Disposal Facility is scheduled to be incorporated into the HF RCRA Permit (DW Portion) in Modification D, calendar year 1998.

Compiled by: Bechtel Hanford, Inc.
Regulatory Support

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: RCRA Closure and Postclosure Plan

Permitting Agency: Washington State Department of Ecology

Permit Number: WA7890008967

Permitted Unit: Nonradioactive Dangerous Waste Landfill

Issuance Date:

Expiration Date:

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Part A, Form 3, and Part B dangerous waste permit application documentation for the Nonradioactive Dangerous Waste Landfill 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.

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 has requested that the DOE-RL evaluate clean closure. All information requested on clean closure has been reviewed by the regulatory agencies. Ecology issued partial Notice of Deficiency comments in January 1994. A Notice of Deficiency response table is being prepared to address the January 1994 comments.

Compiled by: Bechtel Hanford, Inc.
Regulatory Support

Date: July 31, 1998

**RESOURCE CONSERVATION AND RECOVERY ACT PERMITTING
CLOSURE WORK PLAN**

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DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: RCRA Closure and Corrective Action Work Plan

Permitting Agency: Washington State Department of Ecology

Permit Number: WA7890008967

Permitted Unit: Single-Shell Tank System

Issuance Date:

Expiration Date:

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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. Four revisions of the Part A, Form 3, dangerous waste permit application documentation have been submitted.

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.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

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**RESOURCE CONSERVATION AND RECOVERY ACT PERMITTING
DELISTING PETITION**

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DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: Delisting Approval - 40 CFR 260.20 and 260.22

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit Number: N/A

Permitted Unit: 200 Area Effluent Treatment Facility

Issuance Date: 06/13/95

Expiration Date: N/A

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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.

An effort has been initiated to modify the Final Delisting to increase the annual effluent volume limit from 19 million gallons per year to 56 million gallons per year and to include waste constituents associated with multi-source leachate generated from land disposal operations.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

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SOLID WASTE HANDLING PERMITTING

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DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: Solid Waste Handling Permit - WAC 173-304

Permitting Agency: Washington State Department of Ecology

Permit Number: N/A

Permitted Unit: Solid Waste Landfill

Issuance Date: N/A

Expiration Date: N/A

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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, Hanford Site Solid Waste Landfill Interim Closure Plan, was prepared and submitted to Ecology on July 9, 1996. Groundwater and soil gas monitoring continue.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

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CLEAN AIR ACT PERMITTING

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DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

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

Permitting Agency: Washington State Department of Health

Permit Number: FF-01

Permitted Unit: Hanford Site (Radioactive Air Emissions Program)

Issuance Date: 08/15/93

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

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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 on a daily and yearly basis, and continuous monitoring requirements.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: Title 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

Permit Number: HNF-AOP-97-1

Permitted Unit: Hanford Site (Title V Operating Permit)

Issuance Date: TBD

Expiration Date: TBD

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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 Department of Health on May 25, 1995. Amendments to the permit application maintain the application current. The permit is scheduled to be issued by Ecology the last quarter of calendar year 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

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

Permitting Agency: Washington State Department of Health

Permit No: AIR 96-802

Permitted Unit: 105-C Reactor Interim Safe Storage

Issuance Date: 08/12/96

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allows for the decontamination and demolition of unnecessary structures at the 105-C Reactor and the construction of the interim safe storage enclosure for the 105-C Reactor block. Approval was received August 12, 1996. On July 30, 1998, a Notice of Correction was issued and the project is currently in the process of resolving the issue. Work is anticipated to be completed by September 1998.

Compiled by: Bechtel Hanford, Inc.
Regulatory Support

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: National Emission Standard for Hazardous Air Pollutants (NESHAPs) -
40 CFR 61, Subpart H

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit No: N/A

Permitted Unit: 105-C Reactor Interim Safe Storage

Issuance Date: 09/03/96

Expiration Date: NA

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this application allows for the decontamination and demolition of unnecessary structures at the 105-C Reactor and the construction of the interim safe storage enclosure for the 105-C Reactor block. Approval was received September 3, 1996. On July 30, 1998, a Notice of Correction was issued and the project is currently in the process of resolving the issue. Work is anticipated to be completed by September 1998.

Compiled by: Bechtel Hanford, Inc.
Regulatory Support

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: National Emission Standards for Hazardous Air Pollutants
40 CFR 61, Subpart H (NESHAPs)

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit No: Letter

Permitted Unit: 105-KE & 105-KW Basin Modify Corridor #7

Issuance Date: 12/20/96

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this application allowed removal of contaminated debris from Corridor 7.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

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

Permitting Agency: Washington State Department of Health

Permit No: Telecon

Permitted Unit: 105-KE & KW Basin Leak Test

Issuance Date: 2/22/95

Expiration Date: NA

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allows for the Leak Testing of Seismic Barrier Doors.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

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

Permitting Agency: Washington State Department of Health

Permit No: Routine Technical Assistance Meeting

Permitted Unit: 105-KE & KW Routine Fuel Basin Activities

Issuance Date: 10/5/95

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction identifies activities that are allowed as part of routine fuel basin activities.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

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

Permitting Agency: Washington State Department of Health

Permit No: Routine Technical Assistance Meeting

Permitted Unit: 105-KE Basin Chiller and Heat Exchanger Removal Activity

Issuance Date: 9/10/96

Expiration Date: NA

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction provides for the removal of the 105-K East Basin chiller and heat exchanger. Cleaning of the heat exchanger interior uses either a glove bag or other containment such that the cleaning activity would not be an open air operation.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: National Emission Standards for Hazardous Air Pollutants
40 CFR 61, Subpart H (NESHAPs)

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit No: Letter

Permitted Unit: 105-KE Basin Chiller Removal

Issuance Date: 12/20/96

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this request allowed for 105-KE Basin chiller removal.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

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

Permitting Agency: Washington State Department of Health

Permit No: Routine Technical Assistance Meeting

Permitted Unit: 105-KE Basin Corridor Modifications

Issuance Date: 11/12/96

Expiration Date: NA

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction is for corridor modification activities similar to those described in a previously approved Notice of Construction for 105-K East Basin Debris Removal. Additional health-physics-technician monitoring may be required during the 105-K East Basin Corridor Modification.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

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

Permitting Agency: Washington State Department of Health

Permit No: Routine Technical Assistance Meeting

Permitted Unit: 105-KE Basin Demolition Activities

Issuance Date: 9/10/96

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allows for removal of substantial quantities of contaminated piping and structural steel from the Transfer Area. There also might be other items such as electrical conduit, cabling, stairs, and space heaters requiring removal.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: National Emission Standards for Hazardous Air Pollutants
40 CFR 61, Subpart H (NESHAPs)

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit No: Letter

Permitted Unit: 105-KE Basin Demolition Activities

Issuance Date: 12/20/96

Expiration Date: NA

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Letter approval concerns three applications for 105-K East and 105-K West demolition activities, and 105-K East Basin chiller removal.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

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

Permitting Agency: Washington State Department of Health

Permit No: Telecon

Permitted Unit: 105-KE Basin Fuel Removal Amendment

Issuance Date: 3/19/97

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

(Telecon - Amendment to AIR 97-206) Fuel Removal to fill multi-canister overpacks that will be sent to the Cold Vacuum Drying Facility - Modification Approval of this request includes conditions to allow above water work.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

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

Permitting Agency: Washington State Department of Health

Permit No: AIR 97-206

Permitted Unit: 105-KE Basin Fuel Removal

Issuance Date: 3/5/97

Expiration Date: NA

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

This Notice of Construction provides for the installation, operation, and maintenance of spent nuclear fuel removal and sludge relocation equipment; transport of fuel and residual sludge on the fuel in multi-canister overpacks to the Cold Vacuum Drying Facility; and debris removal and minor basin modifications.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit () Renewal () New Permit (X)

Permit Type: National Emission Standards for Hazardous Air Pollutants
40 CFR 61, Subpart H (NESHAPs)

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit No: Letter

Permitted Unit: 105-KE Basin Fuel Removal

Issuance Date: 4/22/97

Expiration Date: NA

Need for Headquarters' Action Yes () No (X)
(for permit renewals or new permits) If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

This approval provides for the installation, operation, and maintenance of spent nuclear fuel removal and sludge relocation equipment; transport of fuel and residual sludge on the fuel in multi-canister overpacks to the Cold Vacuum Drying Facility; and debris removal and minor basin modifications.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

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

Permitting Agency: Washington State Department of Health

Permit No: Routine Technical Assistance Meeting

Permitted Unit: 105-KE Basin Hydrolasing

Issuance Date: 11/12/96

Expiration Date: NA

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

The Notice of Construction was approved to clean the interior of about 1500 feet of 2 to 8 inch diameter water treatment piping using the hydrolasing method. Hydrolasing may need to be performed every year. The basin water treatment system will be operated as much as possible with activities and planned downtimes.

Additional continuous air monitoring could be provided if appropriate or required.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: National Emission Standards for Hazardous Air Pollutants
40 CFR 61, Subpart H (NESHAPs)

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit No: Letter

Permitted Unit: 105-KE Basin Hydrolasing

Issuance Date: 1/7/97

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

The approval of this application allows for removal of some quantities of radioactively contaminated building structure from the Corridor 7 area to increase operating area in the basin for improved equipment and personnel movement. The approval also allows for the internal decontamination of existing piping in the basin water treatment system. Approximately 1,500 feet of carbon steel piping and 60 feet of plastic piping will be cleaned.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

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

Permitting Agency: Washington State Department of Health

Permit No: Routine Technical Assistance Meeting

Permitted Unit: 105-KE Basin Sludge Sampling

Issuance Date: 6/13/95

Expiration Date: NA

Need for Headquarters' Action

(for permit renewals or new permits)

Yes () No (X)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allows collection of a minimum of 40 sludge samples using an improved sampling process for continued characterization activities at 105-KE Basin.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: National Emission Standards for Hazardous Air Pollutants
40 CFR 61, Subpart H (NESHAPs)

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit No: Letter

Permitted Unit: 105-KW Basin Fuel Removal

Issuance Date: 12/23/97

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Request for approval for fuel removal from the 105-KW Basin to enable eventual retrieval and transport of the fuel for processing. (Supercedes approval dated 7/17/97.)

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

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

Permitting Agency: Washington State Department of Health

Permit No: Routine Technical Assistance Meeting

Permitted Unit: 105-KW Basin Corridor Modifications

Issuance Date: 11/12/96

Expiration Date: NA

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction is for corridor modification activities similar to those described in a previously approved Notice of Construction for 105-K East Basin Debris Removal. Additional monitoring by health-physics-technicians might be required during the 105-K West Basin Corridor Modification.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

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

Permitting Agency: Washington State Department of Health

Permit No: AIR 97-706

Permitted Unit: 105-KW Basin Fuel Removal

Issuance Date: 7/28/97

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allows for fuel removal from the 105-KW Basin to enable eventual retrieval and transport of the fuel for processing.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

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

Permitting Agency: Washington State Department of Health

Permit No: AIR 98-105

Permitted Unit: 105-KW Basin Fuel Removal

Issuance Date: 1/2/98

Expiration Date: NA

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allows fuel removal to fill multi-canister overpacks that will be sent to the Cold Vacuum Drying Facility.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: National Emission Standards for Hazardous Air Pollutants
40 CFR 61, Subpart H (NESHAPs)

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit No: Letter

Permitted Unit: 105-KW Filter Vessel Sparging Vent

Issuance Date: 3/24/98

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

This approval provides for a modification in the mode of operation and venting of the filter vessels. The construction will result in the creation of a new emission point for the 105-KW Basin.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

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

Permitting Agency: Washington State Department of Health

Permit No: AIR 98-307

Permitted Unit: 105-KW Filter Vessel Sparging Vent

Issuance Date: 3/12/98

Expiration Date: NA

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

This Notice of Construction provides for a modification in the mode of operation and venting of the filter vessels. The construction will result in the creation of a new emission point for the 105-KW Basin.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

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

Permitting Agency: Washington State Department of Health

Permit No: Routine Technical Assistance Meeting

Permitted Unit: 105K-Basin Characterization Phase II

Issuance Date: 1/9/96

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Meeting minutes from the Routine Technical Assistance Meeting of January 9, 1996, contains a description of activities. These activities, for the most part, provide for extensions of previously approved characterization activities. In the K-West Basin, gas and liquid samples will be obtained in addition to fuel element and canister sludge samples. In K-East Basin, fuel elements and canister samples will be obtained. All samples will be shipped via cask to the analytical facilities.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: Notice of Construction for:
General Regulations for Air Pollution Sources -- WAC 173-400
Controls for New Sources of Toxic Air Pollutants -- WAC 173-460

Permitting Agency: Washington State Department of Ecology

Permit Number: NWP-96-1

Permitted Unit: 200 Area Diesel Generators

Issuance Date: 04/30/96

Expiration Date: N/A

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allows construction and operation of two emergency diesel generators designed to provide emergency power for the 200 Areas fire protection system. A major permit condition includes limits on hours of operation and emission rates. During the period covered by this Status Report, the 200 Areas diesel generators operated with no compliance issues.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

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

Permitting Agency: Washington State Department of Ecology

Permit No: 97NM-138

Permitted Unit: 200/300 Area Steam Replacement

Issuance Date: 6/6/97

Expiration Date: NA

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval was received 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.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

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

Permitting Agency: Washington State Department of Health

Permit No: Routine Technical Assistance Meeting

Permitted Unit: 200 Area Effluent Treatment Facility and Load-In Station, and Liquid Effluent Retention Facility

Issuance Date: 1/14/97

Expiration Date: NA

Need for Headquarters' Action

(for permit renewals or new permits)

Yes () No (X)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allows an increased potential-to-emit from the 200 Area Effluent Treatment Facility and Load-In Station and the Liquid Effluent Retention Facility. The abated offsite dose was calculated at .025 mrem/yr.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

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

Permitting Agency: Washington State Department of Health

Permit No: Air 95-509

Permitted Unit: 200 Area Effluent Treatment Facility

Issuance Date: 5/24/95

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

This Notice of Construction modifies the 200 Area Effluent Treatment Facility Notice of Construction and potential-to-emit. The potential to emit was reduced to less than 0.1 mrem, eliminating the need for continuous NESHAP compliant monitoring.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit () Renewal () New Permit (X)

Permit Type: National Emission Standards for Hazardous Air Pollutants
40 CFR 61, Subpart H (NESHAPs)

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit No: Letter

Permitted Unit: 200 Area Effluent Treatment Facility and Load-In Station, and Liquid Effluent Retention Facility

Issuance Date: 7/8/96

Expiration Date: NA

Need for Headquarters' Action Yes () No (X)
(for permit renewals or new permits) If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this application allows 200 Area Effluent Treatment Facility and Liquid Effluent Retention Facility to increase emissions from adding feed streams from 100-N Basin water and Operable Unit 200-UP-1.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: National Emission Standards for Hazardous Air Pollutants
40 CFR 61, Subpart H (NESHAPs)

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit No: Letter

Permitted Unit: 200 Area Effluent Treatment Facility and Load-In Station, and Liquid Effluent Retention Facility

Issuance Date: 7/3/97

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this application for modification to increase air emissions allowed an increased potential-to-emit from the 200 Area Effluent Treatment Facility and Load-In Station, and the Liquid Effluent Retention Facility. The calculated abated offsite dose is .025 mrem/yr.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

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

Permitting Agency: Washington State Department of Health

Permit No: Routine Technical Assistance Meeting

Permitted Unit: 200 Area Effluent Treatment Facility and Load-In Station, and Liquid Effluent Retention Facility

Issuance Date: 6/12/96

Expiration Date: NA

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allows 200 Area Effluent Treatment Facility and Liquid Effluent Retention Facility to increase emissions from adding feed streams from 100-N Basin water and Operable Unit 200-UP-1.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

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

Permitting Agency: Washington State Department of Ecology

Permit No: 96NW-1-301

Permitted Unit: 200 Area Effluent Treatment Facility and Load-In Station, and Liquid Effluent Retention Facility

Issuance Date: 10/16/96

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction 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.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

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

Permitting Agency: Washington State Department of Health

Permit No: Letter

Permitted Unit: 200 Area Interim Storage Area

Issuance Date: 06/24/98

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allows for the construction of and operating the 200 Area Interim Storage Area.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

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

Permitting Agency: Washington State Department of Health

Permit No: AIR 98-503

Permitted Unit: 200 Area Interim Storage Area

Issuance Date: 5/20/98

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allow for the construction of and operating the 200 Area Interim Storage Area.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

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

Permitting Agency: Washington State Department of Health

Permit No: AIR-91-Nov1

Permitted Unit: 219-S Sample Gallery to 204-AR Truck Transfers

Issuance Date: 11/12/91

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allows construction 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.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

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

Permitting Agency: Washington State Department of Health

Permit No: Routine Technical Assistance Meeting

Permitted Unit: 219-S Waste Handling Facility

Issuance Date: 6/13/95

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval was granted to remove old piping at 219-S Waste Handling Facility, installation of new stainless steel catch basin liners and piping, and installation of a new TK-104 tank.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

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

Permitting Agency: Washington State Department of Ecology

Permit No: Letter

Permitted Unit: 222-S Lab Hot Cell Expansion

Issuance Date: 7/13/92

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allows an environmental hot cell addition at the 222-S Laboratory that will provide seven additional hot cells to support increased demand for analytical services.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

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

Permitting Agency: Washington State Department of Health

Permit No: AIR 94-406

Permitted Unit: 222-S Lab Hot Cell Expansion

Issuance Date: 4/12/94

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allows an environmental hot cell addition at 222-S Laboratory that will provide seven additional hot cells to support increased demand for analytical services.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

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

Permitting Agency: Washington State Department of Ecology

Permit No: 96NM-086

Permitted Unit: 241-A-101 Tank portable exhauster

Issuance Date: 6/24/96

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allows active ventilation, via the use of a portable exhauster, on the 241-A-101 tank during salt well pumping and other routine activities performed at the tank. Major permit conditions include limits on volatile organic carbon emission rates and opacity.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

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

Permitting Agency: Washington State Department of Health

Permit No: AIR96-607

Permitted Unit: 241-A-101 Tank Portable Exhauster

Issuance Date: 6/17/96

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allows active ventilation, via the use of a portable exhauster, on the 241-A-101 tank during salt well pumping and other routine activities performed in accordance with descriptions contained in the Notice of Construction.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: National Emission Standards for Hazardous Air Pollutants
40 CFR 61, Subpart H (NESHAPs)

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit No: Letter

Permitted Unit: 241-A-101 Tank portable exhauster

Issuance Date: 7/2/96

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this application allows for the active ventilation, via the use of a portable exhauster, on the 241-A-101 tank during salt well pumping and other routine activities performed in accordance with descriptions contained in the application.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: National Emission Standards for Hazardous Air Pollutants
40 CFR 61, Subpart H (NESHAPs)

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit No: Letter

Permitted Unit: 241-AZ-101 Tank Waste Retrieval and 241-AY/241-AZ Tank Farms Ventilation
Upgrades, Project W-151 and Project W-030

Issuance Date: 3/15/94

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this application allows the installation and operation of mixer pumps in the 241-AZ-101 tank (an existing double-shell tank) using approved radionuclide air emissions control equipment in accordance with descriptions contained in the application. Project W-151 demonstrates techniques to be used for future retrieval activities. Project W-030 provides ventilation upgrades in the 241-AY/241-AZ Tank Farms. Both tank farms are ventilated through the same ventilation system.

A request to remove the continuous monitoring for iodine and tritium, as specified in the Notice of Construction, was approved on July 10, 1996. A notification of emission changes for the planned testing of the mixer pumps before the completion of the ventilation upgrades was approved on March 20, 1997.

Use of a vacuum loader for excavation activities as part of Project W-030 was approved on July 3, 1996.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

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

Permitting Agency: Washington State Department of Health

Permit No: AIR 94-502

Permitted Unit: 241-AZ-101 Tank Waste Retrieval and 241-AY/241-AZ Tank Farms Ventilation Upgrades, Project W-151 and Project W-030

Issuance Date: 5/5/94

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allows the installation and operation of mixer pumps in the 241-AZ-101 tank (an existing double-shell tank) using approved radionuclide air emissions control equipment in accordance with descriptions contained in the Notice of Construction. Project W-151 demonstrates techniques to be used for future retrieval activities. Project W-030 provides ventilation upgrades in the 241-AY/241-AZ Tank Farms. Both tank farms are ventilated through the same ventilation system.

A request to remove the continuous monitoring for iodine and tritium, as specified in the Notice of Construction, was approved on July 10, 1996.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

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

Permitting Agency: Washington State Department of Ecology

Permit No: NOC 94-07

Permitted Unit: 241-AZ-101 Tank Waste Retrieval and 241-AY/241-AZ Tank Farms Ventilation
Upgrades, Project W-151 and Project W-030

Issuance Date: 8/26/94

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit () Renewal () New Permit (X)

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

Permitting Agency: Washington State Department of Ecology

Permit No: NOC-94-07-01

Permitted Unit: 241-AZ-101 Tank Waste Retrieval and 241-AY/241-AZ Tank Farms Ventilation
Upgrades, Project W-151 and Project W-030

Issuance Date: 12/22/97

Expiration Date: NA

Need for Headquarters' Action Yes () No (X)
(for permit renewals or new permits) If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allows the request to modify NOC condition of original approvals, specifically to modify volatile organic compound emission limits and request approval of alternative test method. Relief from Cond. 1 in NOC 94-07.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: National Emission Standards for Hazardous Air Pollutants
40 CFR 61, Subpart H (NESHAPs)

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit No: Letter

Permitted Unit: 241-C-106 Tank Sluicing

Issuance Date: 2/23/94

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this application allows construction and operation of the 241-C-106 tank waste retrieval system in accordance with descriptions contained in the application. The 241-C-106 tank is a high-heat watchlist single-shell tank. 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.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

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

Permitting Agency: Washington State Department of Health

Permit No: AIR 95-712

Permitted Unit: 241-C-106 Tank Sluicing, Phase II

Issuance Date: 7/31/95

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allows construction and operation of the 241-C-106 tank waste retrieval system in accordance with descriptions contained in the Notice of Construction. The 241-C-106 tank is a high-heat watchlist single-shell tank. 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. Two phases of permitting were pursued. Phase I approval, received from the Department of Health on February 28, 1994 (AIR-94-214), did not involve radioactive air emissions. The remaining Phase II activities generate radioactive air emissions.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

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

Permitting Agency: Washington State Department of Ecology

Permit No: NWP 95(7) C-106

Permitted Unit: 241-C-106 Tank Sluicing, Phase II

Issuance Date: 10/6/95

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allows construction and operation of the 241-C-106 tank waste retrieval system using approved nonradionuclide air emissions control equipment. The 241-C-106 tank is a high-heat watchlist single-shell tank. 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. Two phases of permitting were pursued. Phase I did not involve nonradioactive air emissions, and Ecology indicated that written approval for Phase I was not required. The major permit conditions include initial compliance demonstration for volatile organic compounds and no visible emissions with respect to particulate matter less than 10 microns criteria pollutant.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

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

Permitting Agency: Washington State Department of Health

Permit No: Routine Technical Assistance Meeting

Permitted Unit: 241-SX-104 Salt Well Pumping, Phase I

Issuance Date: 3/12/98

Expiration Date: NA

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

This Notice of Construction allows the salt well pumping of drainable liquid waste in tank 241-SX-104.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: National Emission Standards for Hazardous Air Pollutants
40 CFR 61, Subpart H (NESHAPs)

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit No: Letter

Permitted Unit: 241-SX-104 Salt Well Pumping

Issuance Date: 03/19/98

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

This approval allows the salt well pumping of drainable liquid waste in tank 241-SX-104.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: National Emission Standards for Hazardous Air Pollutants
40 CFR 61, Subpart H (NESHAPs)

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit No: Letter

Permitted Unit: 241-SY-101 Tank Mixer Pump Replacement

Issuance Date: 2/14/95

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

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

Permitting Agency: Washington State Department of Health

Permit No: AIR95-203

Permitted Unit: 241-SY-101 Tank Mixer Pump Replacement

Issuance Date: 2/21/95

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

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

Permitting Agency: Washington State Department of Health

Permit No: AIR 97-1007

Permitted Unit: 244-AR Vault

Issuance Date: 10/9/97

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction 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 using radionuclide air emissions control equipment in accordance with descriptions contained in the Notice of Construction. 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.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: National Emission Standards for Hazardous Air Pollutants
40 CFR 61, Subpart H (NESHAPs)

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit No: Letter

Permitted Unit: 244-AR Vault

Issuance Date: 10/24/97

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this application 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 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.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

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

Permitting Agency: Washington State Department of Health

Permit No: AIR 94-913

Permitted Unit: 244-CR Vault Double-Contained Receiver Tank

Issuance Date: 9/15/94

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction was granted subject to the 244-CR Vault double-contained receiver tank operating in accordance with descriptions contained in the Notice of Construction.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

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

Permitting Agency: Washington State Department of Ecology

Permit No: DE 98NWP-001

Permitted Unit: 300 Area Fuel Supply Shutdown Facilities

Issuance Date: 6/2/98

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allows the decontamination, dismantling, and removing equipment and structures contaminated with radiological materials from the 334A and 303F facilities. The equipment and structures are contaminated with residue materials which include toxic air pollutants (TAPs).

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: National Emission Standards for Hazardous Air Pollutants
40 CFR 61, Subpart H (NESHAPs)

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit No: Letter

Permitted Unit: 300 Area Fuel Supply Shutdown Facilities

Issuance Date: 8/22/97

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of the Application to Construct (October 3, 1996) and the Notice of Construction (October 14, 1996) allows 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 Notice of Construction. Consequently, Revision 1 of the Notice of Construction application was submitted to the EPA in July 1997. Revision 1 was approved on August 22, 1997.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

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

Permitting Agency: Washington State Department of Health

Permit No: AIR 96-1001 (Revision 1)

Permitted Unit: 300 Area Fuel Supply Shutdown Facilities

Issuance Date: 10/14/96

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of the Application to Construct (October 3, 1996) and the Notice of Construction (October 14, 1996) allows the decontamination, dismantling, and removal of 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 Notice of Construction. Consequently, Revision 1 of the Notice of Construction application was submitted to the EPA in July 1997.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

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

Permitting Agency: Washington State Department of Health

Permit No: AIR 97-803

Permitted Unit: 300 Area Fuel Supply Shutdown Activities, Rev. 1

Issuance Date: 8/13/97

Expiration Date: N/A

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of the Application to Construct (October 3, 1996) and the Notice of Construction (October 14, 1996) allows 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 Notice of Construction. Consequently, Revision 1 of the Notice of Construction application was submitted to the EPA in July 1997. Revision 1 was approved (AIR 97-803) on August 13, 1997.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

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

Permitting Agency: Washington State Department of Health

Permit Number: AIR-95-811

Permitted Unit: 305-B Storage Facility

Issuance Date: 08/25/95

Expiration Date: N/A

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allowed the construction of a fume hood in the 305-B Storage Facility for waste sampling and repackaging activities and approved the radionuclide air emissions control equipment. On August 25, 1995, an approval letter was received from the Department of Health. The construction of the fume hood in the 305-B Storage Facility is complete and operational.

Compiled by: Pacific Northwest National Laboratory
Environmental Management Services

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

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

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

Permit Number: N/A (Short Form Notice of Construction)

Permitted Unit: 306W Building

Issuance Date: 08/04/97

Expiration Date: N/A

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allowed for the addition of a new process to the 306W Building. The new process is x-ray, examination, and inspection of low-level waste packages, drums and burial boxes. The process will involve inspection of existing waste currently staged at the 306W Building and staging waste from 300 Area buildings operated by PNNL to the 306W Building to consolidate waste management efforts. On August 4, 1997, the Department of Health approved the x-ray and low-level waste repackaging in the 306W Building. This activity is operational and there are no compliance issues during this reporting period.

Compiled by: Pacific Northwest National Laboratory
Environmental Management Services

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (☒)

Renewal (☐)

New Permit (☐)

Permit Type: Notice of Construction - WAC 173-460

Permitting Agency: Washington State Department of Ecology

Permit Number: DE 98NWP-002

Permitted Unit: 306W Building and Catalytic Electrochemical Oxidation Unit

Issuance Date: 06/02/98

Expiration Date: N/A

Need for Headquarters' Action
(for permit renewals or new permits)

Yes (☐) No (☒)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allowed for the installation and operation of the Catalytic Electrochemical Oxidation (CEO) Unit in the 306W Building. The CEO Unit has two compartments, an anode and a cathode, separated by a membrane separator. Liquid organic wastes will be oxidized in the anode compartment using a regenerative catalyst. Carbon dioxide and traces of organics are released from the anolyte process and are monitored online by a portable gas chromatography system. At the cathode compartment, the electrolysis of nitric acid and water is carried out, producing NOx and hydrogen gas. A liquid scrubber system is installed at the cathode side to remove the NOx that is generated as a primary contaminant. The NOx recombines with water to form nitric acid that is re-circulated within the catholytic compartment. The unit is exhausted through the 206W Building Exhaust. On June 2, 1998, an approval letter was received from the department of Ecology. The CEO Unit is operational with no compliance issues during this reporting period.

Compiled by: Pacific Northwest National Laboratory
Environmental Management Services

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

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

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

Permit Number: N/A (Short Form Notice of Construction)

Permitted Unit: 314 Building

Issuance Date: 06/05/97

Expiration Date: N/A

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allowed for the clean out of the sump and trenches and other areas identified during the cleanout in the 314 Building. It is proposed to washout the east sump. The liquid in the sump has been drained and removed. Only non-smerable contamination remains in the sump. The contamination is uranium. The sump will be washed out with detergent. The area will be wetted to minimize and suspension of airborne particulate. A portable HEPA filtered vacuum cleaner will be used during the cleanout activities. On June 5, 1997, the Department of Health approved the clean out activity. The clean out activity was completed and the facility is awaiting further decontamination and decommissioning. There are no compliance issues during this reporting period.

Compiled by: Pacific Northwest National Laboratory
Environmental Management Services

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

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

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

Permit Number: N/A (Short Form Notice of Construction)

Permitted Unit: 318 Building

Issuance Date: 01/06/98

Expiration Date: N/A

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allowed for the building exhaust to be moved from its existing location to a location above Room 126. Emissions from the new stack will not be filtered by a high-efficiency particulate air (HEPA) filter. The new exhaust stack will have an isokinetic sampling probe and sampling equipment installed as part of the project. On January 6, 1998, the Department of Health approved the modification. The new exhaust is operational with no compliance issues during this reporting period.

Compiled by: Pacific Northwest National Laboratory
Environmental Management Services

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: National Emission Standards for Hazardous Air Pollutants
40 CFR 61, Subpart H (NESHAPs)

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit No: Letter

Permitted Unit: 324 Building

Issuance Date: 4/3/96

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allows construction of a large walk-in fume hood containing a direct current plasma arc furnace and its associated offgas treatment and feed systems. On April 3, 1996, an approval letter was received from the Department of Health. The plasma arc furnace is no longer used.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

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

Permitting Agency: Washington State Department of Health

Permit No: AIR 95-903

Permitted Unit: 324 Building Modification

Issuance Date: 9/18/95

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

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

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

Permit Number: AIR 96-403 and Addendum

Permitted Unit: Plasma Arc Furnace, 324 Building

Issuance Date: 04/18/96 and 08/04/97 (Addendum)

Expiration Date: N/A

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allowed for the installation of a large walk-in fume hood containing a direct current plasma arc furnace and its associated off-gas treatment and feed systems in the 324 Building. The plasma arc furnace is a thermal treatment system being developed to treat waste from across the DOE complex. The technology is targeted for wastes containing both inorganic and organic materials. The furnace will be utilized to provide engineering data to evaluate the performance of the treatment system as well as to provide fate data for various waste species. On April 18, 1996, the Department of Health approved the operation of the plasma arc furnace. On August 4, 1997, the Department of Health approved the addition of 20 curies of tritium for processing materials. No revision to the existing notice of construction was deemed necessary. The plasma arc furnace conducted its last test run in April 1998. The plasma arc furnace has been permanently shutdown and is awaiting decontamination and decommissioning. The Department of Energy has determined that another alternative replacement is available with the DOE complex. The Department of Health issued a Notice of Violation on May 13, 1998 for shutdown of the tritium sampler on the building stack during the last plasma arc furnace operational test run. Response to the violation is being prepared during this reporting period.

Compiled by: Pacific Northwest National Laboratory
Environmental Management Services

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: Notice of Construction - WAC 173-460

Permitting Agency: Washington State Department of Ecology

Permit Number: NWP-96-2

Permitted Unit: Plasma Arc Furnace, 324 Building

Issuance Date: 05/20/96

Expiration Date: N/A

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allowed for the installation of a large walk-in fume hood containing a direct current plasma arc furnace and its associated off-gas treatment and feed systems in the 324 Building. The plasma arc furnace is a thermal treatment system being developed to treat waste from across the DOE complex. The technology is targeted for wastes containing both inorganic and organic materials. The furnace will be utilized to provide engineering data to evaluate the performance of the treatment system as well as to provide fate data for various waste species. On May 20, 1996, the Department of Ecology approved the operation of the plasma arc furnace. The plasma arc furnace has been permanently shutdown and is awaiting decontamination and decommissioning. The Department of Energy has determined that another alternative replacement is available within the DOE complex.

Compiled by: Pacific Northwest National Laboratory
Environmental Management Services

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: National Emission Standards for Hazardous Air Pollutants (NESHAPs)
40 CFR 61, Subpart H

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit Number: N/A

Permitted Unit: 325 Building, Tritium Target Qualification Program

Issuance Date: 03/03/97

Expiration Date: N/A

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this application allowed the sectioning of tritium target rods, tritium extraction and analysis, and ex-reactor tritium permeation tests. On March 3, 1997, an approval letter was received from the U.S. Environmental Protection Agency. The research is ongoing and proceeded during the period covered by this Status Report with no compliance issues.

Compiled by: Pacific Northwest National Laboratory
Environmental Management Services

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

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

Permitting Agency: Washington State Department of Health

Permit Number: AIR 97-307

Permitted Unit: 325 Building, Tritium Target Qualification Program

Issuance Date: 03/28/97

Expiration Date: N/A

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allowed the sectioning of tritium target rods, tritium extraction and analysis, and ex-reactor tritium permeation tests for 10 tritium target rods shipped from the Idaho National Engineering Laboratory. On March 28, 1997, an approval letter was received from the Washington State Department of Health. The research is ongoing and proceeded during the period covered by this status report with no compliance issues.

Compiled by: Pacific Northwest National Laboratory
Environmental Management Services

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: National Emission Standards for Hazardous Air Pollutants (NESHAPs) -
40 CFR 61, Subpart H

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit Number: N/A

Permitted Unit: Applied Chemistry, 325 Building

Issuance Date: 05/07/96

Expiration Date: N/A

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this application allows research to be conducted on special nuclear materials disposition and low-level waste vitrification. The research includes slurry and powder feeds, melting, quenching, and annealing of plutonium containing glasses. On May 7, 1996, an approval letter was received. This research work is ongoing.

Compiled by: Pacific Northwest National Laboratory
Environmental Management Services

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

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

Permitting Agency: Washington State Department of Health

Permit Number: AIR-96-604

Permitted Unit: Applied Chemistry, 325 Building

Issuance Date: 06/07/96

Expiration Date: N/A

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allows research to be conducted on special nuclear materials disposition and low-level waste vitrification. The research includes slurry and powder feeds, melting, quenching, and annealing of plutonium containing glasses. Approval was received on June 7, 1996. This research work is ongoing.

Compiled by: Pacific Northwest National Laboratory
Environmental Management Services

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

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

Permitting Agency: Washington State Department of Health

Permit Number: AIR 95-803 and AIR 96-506

Permitted Unit: Portable Radon Generator

Issuance Date: 08/08/95 and 05/15/96

Expiration Date: N/A

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

The Radon Research Facility was originally the facility that would accommodate a portable radon generator unit. The research facility was to be installed in the 331 Building, Life Sciences Laboratory. The research involves the evaluation of worker and public health and safety issues related to radon in the workplace and the environment. Because of program changes and incomplete installation at the 331 Building, a request was made to the Washington State Department of Health to relocate the generator to the 325 Building. The Department of Health approved to move the radon generator unit to any facility onsite as long as conditions of the applicable Notice of Construction are followed. The radon generator is currently located in the 325 Building.

Compiled by: Pacific Northwest National Laboratory
Environmental Management Services

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

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

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

Permit Number: N/A (Short Form Notice of Construction)

Permitted Unit: Radiochemical Processing Laboratory, 325 Building

Issuance Date: 01/19/98

Expiration Date: N/A

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allowed for the relocation of 9,550 curies of strontium-90 from the 324 Building to the 325 Building. The strontium-90 will be stored in a hot cell within the 325 Building prior to future processing as generator material for the production of yttrium-90. The project has medical applications in the treatment of cancer and other diseases. The material will remain in the enclosed transportation cylinders during storage. A Notice of Construction will be required when the material is opened and processed. On January 19, 1998, the Department of Health approved the relocation. There are no compliance issues during this reporting period.

Compiled by: Pacific Northwest National Laboratory
Environmental Management Services

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

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

Permitting Agency: Washington State Department of Health

Permit No: Routine Technical Assistance Meeting

Permitted Unit: 327 Building Fuel Transfer

Issuance Date: 5/26/98

Expiration Date: NA

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

This Notice of Construction Approval allows the transfer of N Basin fuel/fuel fragments to the 327 Facility. This is a modification of the original approval (dated 1/6/98). The transfer of the N Basin fuel/fuel fragments was completed on June 3, 1998.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

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

Permitting Agency: Washington State Department of Health

Permit Number: AIR 95-205

Permitted Unit: Chemical Sciences Laboratory, 329 Building

Issuance Date: 02/24/95

Expiration Date: N/A

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction and other approvals allowed for the renovation of the Chemical Sciences Laboratory (329 Building) in the 300 Area. The renovation includes modernizing the laboratories and ventilation system to consolidate four emission points into a single exhaust stack. On February 24, 1995, an approval letter was received from the Department of Health. The renovation of the Chemical Sciences Laboratory is complete and the 329 Building is operational.

Compiled by: Pacific Northwest National Laboratory
Environmental Management Services

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: National Emission Standard for Hazardous Air Pollutants (NESHAPs)
40 CFR 61, Subpart H

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit Number: N/A

Permitted Unit: Chemical Sciences Laboratory, 329 Building

Issuance Date: 03/01/95

Expiration Date: N/A

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this application allowed for the renovation of the Chemical Sciences Laboratory (329 Building) in the 300 Area. The renovation includes modernizing the laboratories and ventilation system to consolidate four emission points into a single exhaust stack. On March 1, 1995, an approval letter was received from the EPA. The renovation of the Chemical Sciences Laboratory is complete and the 329 Building is operational.

Compiled by: Pacific Northwest National Laboratory
Environmental Management Services

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: Notice of Construction for:
General Regulations for Air Pollution Sources - WAC 173-490

Permitting Agency: Washington State Department of Ecology

Permit Number: NWP-95-329/300A

Permitted Unit: Chemical Sciences Laboratory, 329 Building

Issuance Date: 09/18/96

Expiration Date: N/A

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allowed the renovation of the Chemical Sciences Laboratory (329 Building) in the 300 Area. The renovation included modernizing the laboratories and ventilation system to consolidate four emission points into a single exhaust stack. On September 18, 1996, an approval letter was received from Ecology, with emission limits for opacity and volatile organic compound compliance through a source test. The renovation of the Chemical Sciences Laboratory is complete and the 329 Building is operational.

Compiled by: Pacific Northwest National Laboratory
Environmental Management Services

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: Notice of Construction - WAC 173-460

Permitting Agency: Washington State Department of Ecology

Permit Number: 97NM-147

Permitted Unit: Life Sciences Laboratory, 331 Building

Issuance Date: 11/10/97

Expiration Date: N/A

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allowed for the removal and relocation of existing fume hoods and installation of new fume hoods, updating of cabinet casework, sinks, and laboratory space, demolition and renovation activities. Work from other laboratories outside the 331 Building is being relocated to the 331 Building. On November 10, 1997, an approval letter was received from the Department of Ecology. The building renovations and modifications are complete and the 331 Building is operational with no compliance issues during this reporting period.

Compiled by: Pacific Northwest National Laboratory
Environmental Management Services

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

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

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

Permit Number: AIR 98-108

Permitted Unit: Life Sciences Laboratory, 331 Building

Issuance Date: 01/21/98

Expiration Date: N/A

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allowed for the removal and relocation of existing fume hoods and installation of new fume hoods, updating of cabinet casework, sinks, and laboratory space. Work from other laboratories outside the 331 Building is being relocated to the 331 Building. On January 21, 1998, an approval letter was received from the Department of Health. The building renovations and modifications are complete and the 331 Building is operational with no compliance issues during this reporting period.

Compiled by: Pacific Northwest National Laboratory
Environmental Management Services

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

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

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

Permit Number: N/A (Short Form Notice of Construction)

Permitted Unit: 331-G Building

Issuance Date: 01/16/98

Expiration Date: N/A

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allowed for the registration of the 331-G Building stacks (EP-331G-01-S and EP-331G-02-S). Radionuclide inventory has been added to the current building chemical inventory and will be exhausted through the two stacks. Small quantities (microcuries) of tracer radionuclides are deposited in soil, taken up by vegetation and fed to small animals. The animals are temporarily housed in the facility, and their excrements are stored in closed containers within the facility. On January 16, 1998, the Department of Health approved the modification. There are no compliance issues during this reporting period.

Compiled by: Pacific Northwest National Laboratory
Environmental Management Services

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: National Emission Standard for Hazardous Air Pollutants (NESHAPs) -
40 CFR 61, Subpart H

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit Number: N/A

Permitted Unit: Radon Research Facility, 331 Building

Issuance Date: 07/17/95

Expiration Date: N/A

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Radon research involves the evaluation of worker and public health and safety issues related to radon in the workplace and the environment. The application was approved on July 17, 1995. The Radon Research Facility currently is located in the 325 Building. During the period covered by this status report, this activity proceeded with no compliance issues.

Compiled by: Pacific Northwest National Laboratory
Environmental Management Services

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: National Emission Standards for Hazardous Air Pollutants
40 CFR 61, Subpart H (NESHAPs)

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit No: Letter

Permitted Unit: 340-A Building Tank Sludge Cleanout

Issuance Date: 7/17/97

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

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

Permitting Agency: Washington State Department of Health

Permit No: AIR 97-604

Permitted Unit: 340-A Building Tank Sludge Cleanout

Issuance Date: 6/19/97

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction 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.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

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

Permitting Agency: Washington State Department of Ecology

Permit No: 97NM-137

Permitted Unit: 340-A Building Tank Solids Removal

Issuance Date: 5/5/97

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction 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.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

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

Permitting Agency: Washington State Department of Health

Permit No: Routine Technical Assistance Meeting

Permitted Unit: 3732 Process Equipment Development Laboratory Demolition

Issuance Date: 9/5/97

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allows for the removal of process equipment from the 3732 Building.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: National Emission Standards for Hazardous Air Pollutants
40 CFR 61, Subpart H (NESHAPs)

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit No: Letter

Permitted Unit: 3732 Process Equipment Development Laboratory Demolition

Issuance Date: 09/16/97

Expiration Date: NA

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allows for removal of equipment from the 3732 Building.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

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

Permitting Agency: Washington State Department of Health

Permit No: AIR 97-805

Permitted Unit: B Plant Ventilation Upgrades

Issuance Date: 08/20/97

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction includes installing exhaust ductwork, installing air clean-up training equipment and fans, installing a new exhaust stack, isolation and ventilation of existing filter banks, and isolation of existing stack and exhaust fans.

There are no compliance issues or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

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

Permitting Agency: Washington State Department of Health

Permit No: Routine Technical Assistance Meeting

Permitted Unit: B Plant Ventilation Upgrades

Issuance Date: 6/16/98

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction modifies the NOC for Modification of the Ventilation System for B Plant Complex, 221-B Canyon Building. The approval requires the operation of the new 221-B Canyon Exhaust System during final stage of pouring the isolation barrier. The maximum volumetric flow rate of the exhaust system is also raised from 7,079 liters per second to 8,495 liters per second.

There are no compliance issues or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: National Emission Standards for Hazardous Air Pollutants
40 CFR 61, Subpart H (NESHAPs)

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit No: Letter

Permitted Unit: B Plant Ventilation Upgrades

Issuance Date: 10/27/97

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction modifies the NOC for Modification of the Ventilation System for B Plant Complex, 221-B Canyon Building. The approval requires the operation of the new 221-B Canyon Exhaust System during final stage of pouring the isolation barrier. The maximum volumetric flow rate of the exhaust system is also raised from 7,079 liters per second to 8,495 liters per second.

There are no compliance issues or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

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

Permitting Agency: Washington State Department of Health

Permit No: AIR 97-1012

Permitted Unit: B Plant Ventilation Upgrades

Issuance Date: 10/28/97

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allows for removal of CAM from stack, and location change of control equipment canyon wall penetration change. Potential to emit calculations associated with changes are noted.

There are no compliance issues or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

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

Permitting Agency: Washington State Department of Health

Permit No: Routine Technical Assistance Meeting

Permitted Unit: B Plant Ventilation Upgrades

Issuance Date: 7/21/98

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction modifies/clarifies Notice of Construction DOE/RL-97-17, the previous modification, to the agreement arrived at in the Routine Technical Assistance Meeting on June 16, 1998. This approval modifies some of the construction specifications and methods previously identified. See the meeting minutes for the July 21, 1998 Routine Technical Assistance Meeting for specific changes.

There are no compliance issues or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: National Emission Standards for Hazardous Air Pollutants
40 CFR 61, Subpart H (NESHAPs)

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit No: Letter

Permitted Unit: B Plant Ventilation Upgrades

Issuance Date: 6/19/97

Expiration Date: NA

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval includes installing exhaust ductwork, installation of air cleanup train equipment and fans, installing a new exhaust stack, isolation and ventilation of existing filter banks, and isolation of existing stack and exhaust fans.

There are no compliance issues or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

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

Permitting Agency: Washington State Department of Health

Permit No: Routine Technical Assistance Meeting

Permitted Unit: Blue Max for Generic Temporary Pump Pit jumper cutting and decontamination work, including work in 244-A.

Issuance Date: 10/8/96

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allowed the use of a portable Blue Max™ exhauster during pump pit jumper cutting and pit decontamination, including work in 244-A jumper cutting and pit decontamination

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: National Emission Standards for Hazardous Air Pollutants
40 CFR 61, Subpart H (NESHAPs)

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit No: Letter

Permitted Unit: Canister Storage Building - Phase II

Issuance Date: 3/6/96

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this application requests permission to construct Phase II of the Canister Storage Building, which will be a vault type, natural convection cooled, dry storage and treatment facility for K Basins fuel.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

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

Permitting Agency: Washington State Department of Health

Permit No: AIR96-1203

Permitted Unit: Canister Storage Building - Phase II

Issuance Date: 12/16/96

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allows construction of Phase II of the Canister Storage Building, which will be a vault type, natural convection cooled, dry storage & treatment facility for K Basins fuel.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: National Emission Standards for Hazardous Air Pollutants
40 CFR 61, Subpart H (NESHAPs)

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit No: Letter

Permitted Unit: Central Waste Complex and Enhanced Radioactive and Mixed Waste Storage, Phase V

Issuance Date: 9/14/95

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

This approval allows the storage of vented containers at the Central Waste Complex and Enhanced Radioactive and Mixed Waste Storage, Phase V. Phase V provides additional mixed waste storage capacity at the Central Waste Complex. The NucFil™ filter was established as ALARACT (ALARA control technology) for containers containing radioactive contaminated material.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

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

Permitting Agency: Washington State Department of Health

Permit No: AIR 95-1009

Permitted Unit: Central Waste Complex and Enhanced Radioactive and Mixed Waste Storage, Phase V

Issuance Date: 10/25/95

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allows for the storage of vented containers at the Central Waste complex and Enhanced Radioactive and Mixed Waste Storage, Phase V. Phase V provides additional mixed waste storage capacity at the Central Waste Complex. The NucFil™ filter was established as ALARACT (ALARA control technology) for containers containing radioactive contaminated material.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998. This NOC is being updated to support TRU retrieval and acceptance of TRU waste from offsite generators.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit () Renewal () New Permit (X)

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

Permitting Agency: Washington State Department of Ecology

Permit No: 97NM-022

Permitted Unit: Cold Vacuum Drying - Phase II

Issuance Date: 3/7/97

Expiration Date: NA

Need for Headquarters' Action Yes () No (X)
(for permit renewals or new permits) If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

This Notice of Construction requests permission to construct Phase II the Cold Vacuum Drying system.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: National Emission Standards for Hazardous Air Pollutants
40 CFR 61, Subpart H (NESHAPs)

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit No: Letter

Permitted Unit: Cold Vacuum Drying - Phase II

Issuance Date: 1/10/97

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

This approval allows construction of Phase II the Cold Vacuum Drying system.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

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

Permitting Agency: Washington State Department of Health

Permit No: AIR 97-605

Permitted Unit: Cold Vacuum Drying - Phase II

Issuance Date: 6/10/97

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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 Notice of Construction was submitted to ensure the Cold Vacuum Drying Facility is in full compliance with WAC 173-460-040 (8) "Commencement of Construction." The Phase I Notice of Construction 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 Notice of Construction allows installation of the process equipment that will generate any potential air emissions at the Cold Vacuum Drying Facility.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: National Emission Standards for Hazardous Air Pollutants
40 CFR 61, Subpart H (NESHAPs)

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit No: Letter

Permitted Unit: Cold Vacuum Drying Facility

Issuance Date: 1/10/97

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this application allows for placement of the Cold Vacuum Drying Facility. 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.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office Richland

DOE Facility: Hanford

Existing Permit (X)

Renewal ()

New Permit ()

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

Permitting Agency: Washington State Department of Health

Permit Number: N/A

Permitted Unit: Emergency Dump Basin

Issuance Date: 03/25/96

Expiration Date: N/A

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allows for the stabilization of the Emergency Dump Basin. Stabilization activities began on July 9, 1996 and the project was completed in September 1997. This project did not have any compliance issues or unusual problems during this reporting period.

Compiled by: Bechtel Hanford, Inc.
Regulatory Support

Date: July 31, 1998

DOE Operations Office Richland

DOE Facility: Hanford

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: National Emission Standard for Hazardous Air Pollutants (NESHAPs) -
40 CFR 61, Subpart H

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit Number: N/A

Permitted Unit: Emergency Dump Basin

Issuance Date: 06/27/96

Expiration Date: N/A

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this application allows for the stabilization of the Emergency Dump Basin. Stabilization activities began on July 9, 1996 and the project was completed in September 1997. This project did not have any compliance issues or unusual problems during this reporting period.

Compiled by: Bechtel Hanford, Inc.
Regulatory Support

Date: July 31, 1998

DOE Operations Office Richland

DOE Facility: Hanford

Existing Permit (X)

Renewal ()

New Permit ()

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

Permitting Agency: Washington State Department of Health

Permit Number: AIR 95-407

Permitted Unit: Environmental Analytical Laboratory

Issuance Date: 04/13/95

Expiration Date: N/A

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allows the Environmental Analytical Laboratory to perform timely radiological screening and analyses. Approval was received from the Department of Health on April 13, 1995. Limited screening and analysis activities began in May 1995, and are continuing. On July 30, 1998, a Notice of Correction was issued and the project is currently in the process of resolving the issue.

Compiled by: Bechtel Hanford, Inc.
Regulatory Support

Date: July 31, 1998

DOE Operations Office Richland

DOE Facility: Hanford

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: National Emission Standard for Hazardous Air Pollutants (NESHAPs) -
40 CFR 61, Subpart H

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit Number: N/A

Permitted Unit: Environmental Analytical Laboratory

Issuance Date: 04/27/95

Expiration Date: N/A

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this application allows the Environmental Analytical Laboratory to perform timely radiological screening and analysis. Approval was received from the EPA on April 27, 1995. Limited screening and analysis activities began in May 1995, and are continuing. On July 30, 1998, a notice of correction was issued and the project is currently in the process of resolving the issue.

Compiled by: Bechtel Hanford, Inc.
Regulatory Support

Date: July 31, 1998

DOE Operations Office Richland

DOE Facility: Hanford

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: Notice of Construction for:
General Regulations for Air Pollution Sources - WAC 173-400
Controls for New Sources of Toxic Air Pollutants - WAC 173-460

Permitting Agency: Washington State Department of Ecology

Permit Number: NWP-95(8)-100N/EAL

Permitted Unit: Environmental Analytical Laboratory

Issuance Date: 11/15/95

Expiration Date: N/A

Need for Headquarters' Action
(for permit renewals or new permits) Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allows the Environmental Analytical Laboratory to perform timely radiological screening and analyses. Approval was received from Ecology on November 15, 1995. Limited radiological analyses was conducted in 1995 and early 1996. Since early 1996, no analysis has been conducted.

On March 6, 1998, DOE-RL withdrew the nonradiological NOC. Additionally, in accordance with WAC 173-400-110(10), the approval becomes invalid if discontinued for a period of 18 months, therefore this permit is not valid.

Compiled by: Bechtel Hanford, Inc.
Regulatory Support

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

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

Permitting Agency: Washington State Department of Health

Permit No: Routine Technical Assistance Meeting

Permitted Unit: Excavation and Backfilling in Support of the 315D Backwash Pond Discharge Piping

Issuance Date: 11/17/97

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allows for excavation and backfilling of the 315D Backwash Pond Discharge Piping system.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: National Emission Standards for Hazardous Air Pollutants
40 CFR 61, Subpart H (NESHAPs)

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit No: Letter

Permitted Unit: Excavation and Backfilling in Support of the 315D Backwash Pond Discharge Piping

Issuance Date: 01/08/98

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allows for excavation and backfilling of the 315D Backwash Pond Discharge Piping system.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

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

Permitting Agency: Washington State Department of Health

Permit No: Routine Technical Assistance Meeting

Permitted Unit: Excavation and Backfilling Support of a Potable Water Line Repair

Issuance Date: 11/20/97

Expiration Date: NA

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allows for excavation and backfilling for placement of a potable water supply line.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: National Emission Standards for Hazardous Air Pollutants
40 CFR 61, Subpart H (NESHAPs)

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit No: Letter

Permitted Unit: Excavation and Backfilling Support of a Potable Water Line Repair

Issuance Date: 11/20/97

Expiration Date: NA

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allows for excavation and backfilling for placement of a potable water supply line.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit () Renewal () New Permit (X)

Permit Type: National Emission Standards for Hazardous Air Pollutants
40 CFR 61, Subpart H (NESHAPs)

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit No: Letter

Permitted Unit: FFTF Ion Exchange Resin Columns Changeout

Issuance Date: 01/13/98

Expiration Date: NA

Need for Headquarters' Action Yes () No (X)
(for permit renewals or new permits) If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

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

Permitting Agency: Washington State Department of Health

Permit No: AIR 97-1203

Permitted Unit: FFTF Ion Exchange Resin Columns Changeout

Issuance Date: 12/10/97

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction 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.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit () Renewal () New Permit (X)

Permit Type: National Emission Standards for Hazardous Air Pollutants
40 CFR 61, Subpart H (NESHAPs)

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit No: Letter

Permitted Unit: Guzzler Excavation and Backfilling Activities in Support of the 200 East Area A Tank
Farm Complex

Issuance Date: 3/11/98

Expiration Date: NA

Need for Headquarters' Action Yes () No (X)
(for permit renewals or new permits) If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

This approval allows the use of the guzzler for AY/AZ excavation.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit () Renewal () New Permit (X)

Permit Type: National Emission Standards for Hazardous Air Pollutants
40 CFR 61, Subpart H (NESHAPs)

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit No: Letter

Permitted Unit: Guzzler Excavation and Backfilling Activities in Support of the 300 Area Powerhouse
Shutdown

Issuance Date: 03/11/98

Expiration Date: NA

Need for Headquarters' Action Yes () No (X)
(for permit renewals or new permits) If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

This approval allows for excavation of soil and gravel near the 384 Powerhouse located in the 300 Area. The excavation activities support the disconnection of sanitary water lines, for the removal of building control valves, and for the capping of other lines to and from the powerhouse.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

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

Permitting Agency: Washington State Department of Health

Permit No: Routine Technical Assistance Meeting

Permitted Unit: Guzzler Excavation and Backfilling Activities in Support of the 3706 Building Isolation of Water Lines

Issuance Date: 5/7/98

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

This Notice of Construction allows for excavation of soil and gravel near the 3706 Building.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit () Renewal () New Permit (X)

Permit Type: National Emission Standards for Hazardous Air Pollutants
0 CFR 61, Subpart H (NESHAPs)

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit No: Letter

Permitted Unit: Guzzler Excavation and Backfilling Activities in Support of the 3706 Building Isolation
of Water Lines

Issuance Date: 06/03/98

Expiration Date: NA

Need for Headquarters' Action Yes () No (X)
(for permit renewals or new permits) If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

This Notice of Construction allows for excavation of soil and gravel near the 3706 Building.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

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

Permitting Agency: Washington State Department of Health

Permit No: Routine Technical Assistance Meeting

Permitted Unit: Guzzler Excavation and Backfilling Activities in Support of the 300 Area Powerhouse Shutdown

Issuance Date: 2/17/98

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allows for excavation of soil and gravel near the 384 Powerhouse located in the 300 Area. The excavation activities support the disconnection of sanitary water lines, for the removal of building control valves, and for the capping of other lines to and from the powerhouse.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

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

Permitting Agency: Washington State Department of Health

Permit No: Routine Technical Assistance Meeting

Permitted Unit: Guzzler Excavation and Backfilling Activities in support of the 200 East Area A Farm Complex

Issuance Date: 12/23/97

Expiration Date: NA

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

This Notice of Construction allows for excavation of soil and gravel in the A Tank Farm. Approval of this Notice of Construction allows the use of the guzzler for AY/AZ excavation.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

DOE Operations Office Richland

DOE Facility: Hanford

Existing Permit ()

Renewal ()

New Permit (X)

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

Permitting Agency: Washington State Department of Health

Permit Number: AIR 98-312

Permitted Unit: High-Efficiency Particulate Air Filtered Vacuum Radioactive Air Emissions Units

Issuance Date: 03/25/98

Expiration Date: N/A

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

This Notice of Construction approval allows using HEPA filtered vacuum units on the Hanford Site.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office Richland

DOE Facility: Hanford

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: National Emission Standards for Hazardous Air Pollutants (NESHAPs)
40 CFR 61, Subpart H

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit Number: Letter

Permitted Unit: High-Efficiency Particulate Air Filtered Vacuum Radioactive Air Emissions Units

Issuance Date: 01/08/98

Expiration Date: N/A

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

This Notice of Construction approval allows using HEPA filtered vacuum units on the Hanford Site.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

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

Permitting Agency: Washington State Department of Health

Permit No: Routine Technical Assistance Meeting

Permitted Unit: Installation of a Small Mixer Pump to Support Routine pH Adjustment in Tank 107-AN.

Issuance Date: 6/8/94

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Installation of a small mixer pump to support routine pH adjustment. No significant impact on air emissions. Mixing with pump is not considered routine, but activity is approved.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

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

Permitting Agency: Washington State Department of Health

Permit No: Routine Technical Assistance Meeting

Permitted Unit: ODEX Drilling System

Issuance Date: 10/8/96

Expiration Date: NA

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval to use ODEX™ method of air-assisted drilling for development of groundwater monitoring wells and to support RCRA project characterization.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: National Emission Standard for Hazardous Air Pollutants (NESHAPs) -
40 CFR 61, Subpart H

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit Number: N/A

Permitted Unit: Environmental Molecular Sciences Laboratory

Issuance Date: 07/06/94

Expiration Date: N/A

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this application allows the Environmental Molecular Sciences Laboratory to be constructed and to operate in a location near the 300 Area. The EMSL is a new multi-user laboratory providing the necessary complement of capabilities designed for research and development activities to solve environmental restoration and waste management problems on the Hanford Site. On July 6, 1994, an approval letter was received from the EPA. Startup of operations at the EMSL began on September 1, 1997, at which time 75 percent of the individual modules (60 laboratories) were in full operation. The EMSL currently is operational with no compliance issues during the period covered by this status report.

Compiled by: Pacific Northwest National Laboratory
Environmental Management Services

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

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

Permitting Agency: Washington State Department of Health

Permit Number: AIR-94-803

Permitted Unit: Environmental Molecular Sciences Laboratory

Issuance Date: 08/02/94

Expiration Date: N/A

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allows the Environmental Molecular Sciences Laboratory to be constructed and to operate in a location near the 300 Area. The EMSL is a new multi-user laboratory providing the necessary complement of capabilities designed for research and development activities to solve environmental restoration and waste management problems on the Hanford Site. On August 2, 1994, an approval letter was received from the Department of Health. Startup of operations at the EMSL began on September 1, 1997, at which time 75 percent of the individual modules (60 laboratories) were in full operation. The EMSL currently is operational with no compliance issues during the period covered by this status report.

Compiled by: Pacific Northwest National Laboratory
Environmental Management Services

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: Notice of Construction for:

General Regulations for Air Pollution Sources - WAC 173-400

Controls for New sources of Toxic Air Pollutants - WAC 173-460

Permitting Agency: Washington State Department of Ecology

Permit Number: NOC-94-08

Permitted Unit: Environmental Molecular Sciences Laboratory

Issuance Date: 09/12/94

Expiration Date: N/A

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this application allows the Environmental Molecular Sciences Laboratory to be constructed and to operate in a location near the 300 Area. The EMSL is a new multi-user laboratory providing the necessary complement of capabilities designed for research and development activities to solve environmental restoration and waste management problems on the Hanford Site. The Notice of Construction was approved by Ecology on September 12, 1994, with emission limits for ammonia and volatile organic compounds, as well as source testing requirements. Startup of operations at the EMSL began on September 1, 1997, at which time 75 percent of the individual modules (60 laboratories) were in full operation. The EMSL currently is operational with no compliance issues during the period covered by this status report.

Compiled by: Pacific Northwest National Laboratory
Environmental Management Services

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

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

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

Permit Number: N/A (Short Form Notice of Construction)

Permitted Unit: Environmental Molecular Sciences Laboratory

Issuance Date: 12/16/97

Expiration Date: N/A

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allowed for the addition of a new process to the EMSL Building. The new process involves sample injection and spectroscopic measurements. The process at the EMSL will involve 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 onto a cold copper plate, and making spectroscopic measurements. The exhaust air from the evacuated cryostat chamber will be HEPA filtered and tied directly into the building exhaust Stack #4. On December 16, 1997, the Department of Health approved the new process. There are no compliance issues during this reporting period.

Compiled by: Pacific Northwest National Laboratory
Environmental Management Services

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

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

Permitting Agency: Washington State Department of Health

Permit No: AIR 96-1205

Permitted Unit: PFP (234-5-Z) Stabilization of Plutonium Metal Oxides in Muffle Furnaces at the Plutonium Finishing Plant

Issuance Date: 12/18/96

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allowed for the thermal stabilization of plutonium metals and oxides in the muffle furnaces at the Plutonium Finishing Plant (PFP)

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: National Emission Standards for Hazardous Air Pollutants
40 CFR 61, Subpart H (NESHAPs)

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit No: Letter

Permitted Unit: PFP (234-5-Z) Stabilization of Plutonium Metal Oxides in Muffle Furnaces at the
Plutonium Finishing Plant

Issuance Date: 2/18/97

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

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

Permitting Agency: Washington State Department of Health

Permit No: Air-95-1102

Permitted Unit: PFP 234-5Z & 291-Z

Issuance Date: 11/7/95

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

This approval allowed for ductwork and process piping remediation in the 234-5Z and 291-Z Buildings.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: National Emission Standards for Hazardous Air Pollutants
40 CFR 61, Subpart H (NESHAPs)

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit No: Letter

Permitted Unit: PFP 234-5Z & 291-Z

Issuance Date: 11/22/95

Expiration Date: NA

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

This approval allowed for ductwork and process piping remediation in the 234-5Z and 291-Z Buildings.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

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

Permitting Agency: Washington State Department of Health

Permit No: AIR 92-710

Permitted Unit: Plutonium Finishing Plant Low-Level Waste Treatment Facility

Issuance Date: 7/30/92

Expiration Date: NA

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allows construction of the Plutonium Finishing Plant Low-Level Waste Treatment Facility using approved radionuclide air emissions control equipment. This facility treats low-level waste water from the Plutonium Finishing Plant. No revisions of the Radioactive Air Emissions Program Notice of Construction have been submitted.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

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

Permitting Agency: Washington State Department of Health

Permit No: Routine Technical Assistance Meeting

Permitted Unit: Plutonium Finishing Plant Duct Work and Process Piping Remediation

Issuance Date: 7/9/96

Expiration Date: NA

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allows an additional 35-foot segment of small diameter vacuum process piping to be remediated under the same conditions of a previously approved Notice of Construction. 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.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (☒)

Renewal (☐)

New Permit (☐)

Permit Type: National Emission Standards for Hazardous Air Pollutants
40 CFR 61, Subpart H (NESHAPs)

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit No: Letter

Permitted Unit: Plutonium Finishing Plant Duct Work and Process Piping Remediation

Issuance Date: 9/3/96

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes (☐) No (☒)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allows an additional 35-foot segment of small diameter vacuum process piping to be remediated under the same conditions of a previously approved Notice of Construction. 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.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

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

Permitting Agency: Washington State Department of Health

Permit No: Routine Technical Assistance Meeting

Permitted Unit: Plutonium Finishing Plant Cementation of Plutonium Bearing Materials

Issuance Date: 5/14/96

Expiration Date: NA

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allows the cementation of plutonium bearing materials. The cementation process will be consolidated into one location and will be similar to those cementing operations that the Plutonium Finishing Plant has done before in several gloveboxes. The rate of handling plutonium-bearing material was roughly equivalent to other routine glovebox operations in the Plutonium Finishing Plant. A description of the cementation activity also is discussed in the approved Plutonium Finishing Plant stabilization environmental impact statement.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit () Renewal () New Permit (X)

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

Permitting Agency: Washington State Department of Health

Permit No: AIR 97-1207

Permitted Unit: Portable/Temporary Radionuclide Airborne Emissions Units (PTRAEU)

Issuance Date: 12/15/97

Expiration Date: NA

Need for Headquarters' Action Yes () No (X)
(for permit renewals or new permits) If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Request to construct and operate 3 types of PTRAEUs. The three types are portable ventilation-filter systems (Type I), mobile sample preparation facilities (Type II), and mobile sample screening and analysis.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office Richland

DOE Facility: Hanford

Existing Permit () Renewal () New Permit (X)

Permit Type: National Emission Standards for Hazardous Air Pollutants (NESHAPs)
40 CFR 61, Subpart H

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit Number: Letter

Permitted Unit: Portable/Temporary Radionuclide Airborne Emission Units (PTRAEU)

Issuance Date: 01/21/94

Expiration Date: N/A

Need for Headquarters' Action Yes () No (X)
(for permit renewals or new permits) If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

This approval allowed the construction and operation of Portable/Temporary Radionuclide Airborne Emissions Units (PTRAEU) on the Hanford Site.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office Richland

DOE Facility: Hanford

Existing Permit (X)

Renewal ()

New Permit ()

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

Permitting Agency: Washington State Department of Health

Permit Number: N/A

Permitted Unit: Purgewater Storage and Treatment Facility

Issuance Date: 08/27/91

Expiration Date: N/A

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allows for solar evaporation of the Hanford site purgewater. Purgewater is excess groundwater produced during groundwater monitoring and sampling activities. Approval was received on August 27, 1991 and continues to be in use. This project did not have any compliance issues or unusual problems during this reporting period.

Compiled by: Bechtel Hanford, Inc.
Regulatory Support

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

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

Permitting Agency: Washington State Department of Health

Permit No: AIR 97-1101

Permitted Unit: Rotary Mode Core Sampling (RMCS) Systems at 241-SX

Issuance Date: 11/13/97

Expiration Date: NA

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allows the use of the rotary mode core sampling equipment in the 241-SX Tank Farm using the existing exhaust system.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

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

Permitting Agency: Washington State Department of Ecology

Permit No: NWP 95-RMCS(3)

Permitted Unit: Rotary Mode Core Sampling (RMCS) Systems 3 and 4 and Modification to 2

Issuance Date: 6/30/95

Expiration Date: NA

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allows an exhaustor to be installed on the passively ventilated double-shell and single-shell tanks containing hard saltcake. This installation allows sampling of the tank contents using approved nonradionuclide air emissions control equipment in accordance with descriptions contained in the Notice of Construction. Rotary mode core sampling in these tanks requires nitrogen to be injected into the tank. Therefore, the exhaustor is required to prevent tank pressurization and to control emissions. The rotary mode core sampling activity is a Tri-Party Agreement Milestone (M-10-13).

The major permit conditions are: opacity from the stack will not exceed 5 percent; vapor analysis of the tanks head space will be conducted before rotary mode core sampling, if results are above any small quantity emission rate the tank cannot be rotary mode core sampled; volatile organic compound emissions at the stack will not exceed 3 pounds per day; and the sampling will be stopped if the gaseous flow through the high-efficiency particulate air filters has more than 80 percent relative humidity at any time.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

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

Permitting Agency: Washington State Department of Ecology

Permit No: NWP 95-RMCS(3)

Permitted Unit: Rotary Mode Core Sampling (RMCS) Systems #2

Issuance Date: 5/11/95

Expiration Date: NA

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allows that total organic and ammonia monitoring methods are equivalent to EPA methods. Approval included in NWP 95-RMCS(3).

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit () Renewal () New Permit (X)

Permit Type: National Emission Standards for Hazardous Air Pollutants
40 CFR 61, Subpart H (NESHAPs)

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit No: Letter

Permitted Unit: Rotary Mode Core Sampling (RMCS) Systems at 241-SX

Issuance Date: 8/4/97

Expiration Date: NA

Need for Headquarters' Action Yes () No (X)
(for permit renewals or new permits) If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

This approval allows the use of the rotary mode core sampling equipment in the 241-SX Tank Farm using the existing exhaust system.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: National Emission Standards for Hazardous Air Pollutants
40 CFR 61, Subpart H (NESHAPs)

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit No: Letter

Permitted Unit: Rotary Mode Core Sampling (RMCS) Systems #2

Issuance Date: 8/9/93

Expiration Date: NA

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this application allows an exhaustor to be installed on the passively ventilated double-shell and single-shell tanks containing hard saltcake. This installation allows rotary mode core sampling of the tank contents using approved radionuclide air emissions control equipment in accordance with descriptions contained in the application. Rotary mode core sampling in these tanks requires nitrogen to be injected into the tank. Therefore, the exhaustor is required to prevent tank pressurization and to control emissions. The rotary mode core sampling activity is a Tri-Party Agreement Milestone (M-10-13). Use of this system to support tank characterization is under review.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

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

Permitting Agency: Washington State Department of Health

Permit No: AIR 93-707

Permitted Unit: Rotary Mode Core Sampling (RMCS) Systems #2

Issuance Date: 8/8/93

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allows an exhaustor to be installed on the passively ventilated double-shell and single-shell tanks containing hard saltcake. This installation allows rotary mode core sampling of the tank contents using approved radionuclide air emissions control equipment in accordance with descriptions contained in the Notice of Construction. Rotary mode core sampling in these tanks requires nitrogen to be injected into the tank. Therefore, the exhaustor is required to prevent tank pressurization and to control emissions. The rotary mode core sampling activity is a Tri-Party Agreement Milestone (M-10-13).

Several revisions of the Notice of Construction have been submitted to the Department of Health. On January 11, 1995, the Department of Health approved increased hours of operation up to 24 hours a day. Also on January 11, 1995, the Department of Health approved the use of the in-riser prefilter as being optional. On July 17, 1996, the Department of Health approved the revised potential-to-emit. This action redesignated the Rotary Mode Core-Sampling System Exhaustor Two to minor status; therefore, continuous emissions monitoring is not required--only periodic confirmatory measurements to verify low emissions. Future use of the Rotary Mode Core Sampling System in support of tank characterization activities is under review. The system is presently located at the 244-AR vault.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: National Emission Standards for Hazardous Air Pollutants
40 CFR 61, Subpart H (NESHAPs)

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit No: Letter

Permitted Unit: Rotary Mode Core Sampling (RMCS) Systems 3 & 4

Issuance Date: 8/4/97

Expiration Date: NA

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allows an exhaustor to be installed on the passively ventilated double-shell and single-shell tanks containing hard saltcake. This installation allows rotary mode core sampling of the tank contents using approved radionuclide air emissions control equipment in accordance with descriptions contained in the Notice of Construction. Rotary mode core sampling in these tanks requires nitrogen to be injected into the tank. Therefore, the exhaustor is required to prevent tank pressurization and to control emissions. The rotary mode core sampling activity is a Tri-Party Agreement Milestone (M-10-13).

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

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

Permitting Agency: Washington State Department of Health

Permit No: AIR 97-901

Permitted Unit: Rotary Mode Core Sampling (RMCS) Systems 3 and 4

Issuance Date: 9/3/97

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allows an exhauster to be installed on the passively ventilated double-shell and single-shell tanks containing hard saltcake. This installation allows rotary mode core sampling of the tank contents using approved radionuclide air emissions control equipment in accordance with descriptions contained in the Notice of Construction. Rotary mode core sampling 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 rotary mode core sampling activity is a Tri-Party Agreement Milestone (M-10-13).

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

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

Permitting Agency: Washington State Department of Health

Permit No: Routine Technical Assistance Meeting

Permitted Unit: Sitewide Vented Container Storage

Issuance Date: 9/19/96

Expiration Date: NA

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

ALARACT, BARCT, and NOC for Hanford Site Vented Containers, allowing storage of vented containers on the Hanford Site.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: National Emission Standards for Hazardous Air Pollutants
40 CFR 61, Subpart H (NESHAPs)

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit No: Letter

Permitted Unit: Sodium Storage Facility

Issuance Date: 2/8/95

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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 are inerted with argon. 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.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

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

Permitting Agency: Washington State Department of Health

Permit No: Air 95-204

Permitted Unit: Sodium Storage Facility

Issuance Date: 2/24/95

Expiration Date: NA

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction 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 Notice of Construction 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 are inerted with argon. Layup activities are complete that would 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.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office Richland

DOE Facility: Hanford

Existing Permit (X)

Renewal ()

New Permit ()

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

Permitting Agency: Washington State Department of Health

Permit Number: AIR-94-404

Permitted Unit: Stabilization of the 105-N Basin

Issuance Date: 04/11/94

Expiration Date: N/A

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allows stabilization activities to commence at the 105-N Basin in the 100-N Area using approved radionuclide air emissions control equipment. Stabilization activities include work in preparation for final decontamination and decommissioning of the basin. Approval was received from the Department of Health on April 11, 1994. The 105-N Basin stabilization activities began on May 30, 1995 and were completed on July 23, 1998. This project did not have any compliance issues or unusual problems during this reporting period.

Compiled by: Bechtel Hanford, Inc.
Regulatory Support

Date: July 31, 1998

DOE Operations Office Richland

DOE Facility: Hanford

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: National Emission Standard for Hazardous Air Pollutants (NESHAPs) -
40 CFR 61, Subpart H

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit Number: N/A

Permitted Unit: Stabilization of the 105-N Basin

Issuance Date: 05/10/94

Expiration Date: N/A

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this application allows stabilization activities to commence at the 105-N Basin in the 100-N Area using approved radionuclide air emissions control equipment. Stabilization activities include work in preparation for final decontamination and decommissioning of the basin. Approval was received from the EPA on May 10, 1994. The 105-N Basin stabilization activities began on May 30, 1995 and were completed on July 23, 1998. This project did not have any compliance issues or unusual problems during this reporting period.

Compiled by: Bechtel Hanford, Inc.
Regulatory Support

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

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

Permitting Agency: Washington State Department of Health

Permit No: Routine Technical Assistance Meeting

Permitted Unit: T Plant Complex Secondary Containment and Leak Detection Upgrades

Issuance Date: 6/12/96

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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 waste and equipment handling activities are not expected to increase potential emissions by more than a factor of five.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X) Renewal () New Permit ()

Permit Type: National Emission Standards for Hazardous Air Pollutants
40 CFR 61, Subpart H (NESHAPs)

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit No: Letter

Permitted Unit: T Plant Complex Secondary Containment and Leak Detection Upgrades

Issuance Date: 9/3/96

Expiration Date: NA

Need for Headquarters' Action Yes () No (X)
(for permit renewals or new permits) If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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 waste and equipment handling activities are not expected to increase potential emissions by more than a factor of five.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

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

Permitting Agency: Washington State Department of Health

Permit No: Routine Technical Assistance Meeting

Permitted Unit: T Plant Complex--Euroclean HEPA-filtered vacuums to be used for contamination control and in waste handling activities

Issuance Date: 12/10/96

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allows use of three Euroclean™ vacuums for contamination control, spill cleanup, zone reduction, and waste handling activities. The vacuums are controlled to limit emissions. Also, the use of the vacuums is recorded daily on logs, and the logs are used to determine potential annual emissions. There was an inspection by the Washington Department of Health during the period covered by this status report, and no significant compliance issues were identified.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: National Emission Standards for Hazardous Air Pollutants
40 CFR 61, Subpart H (NESHAPs)

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit No: Letter

Permitted Unit: Tank Farm Restorations and Safe Operations

Issuance Date: 12/23/97

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

This approval 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.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

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

Permitting Agency: Washington State Department of Health

Permit No: AIR 98-302

Permitted Unit: Tank Farm Restorations and Safe Operations

Issuance Date: 3/5/98

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction 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.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

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

Permitting Agency: Washington State Department of Health

Permit No: Routine Technical Assistance Meeting

Permitted Unit: Trench 31: Leachate Collection and Storage Tank (LLBG Mixed Waste Disposal)

Issuance Date: 7/20/94

Expiration Date: NA

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allows operation of a leachate collection tank at Trench 31 of the 218-W-5 burial ground. Approximately 15 transfers/year from the collection tank to tanker truck are allowed. As of 7/31/98 there is no radioactive component in the collection tank.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit () Renewal () New Permit (X)

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

Permitting Agency: Washington State Department of Health

Permit No: Routine Technical Assistance Meeting

Permitted Unit: Trench 34: Leachate Collection and Storage Tank (LLBG Mixed Waste Disposal)

Issuance Date: 8/8/95

Expiration Date: NA

Need for Headquarters' Action Yes () No (X)
(for permit renewals or new permits) If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allows operation of a leachate collection tank at Trench 34 of the 218-W-5 burial ground. Approximately 15 transfers/year from the collection tank to tanker truck are allowed.

As of 7/31/98 there is no radioactive component in the collection tank.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

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

Permitting Agency: Washington State Department of Health

Permit No: AIR 96-1105

Permitted Unit: Vertical Calciner at Plutonium Finishing Plan

Issuance Date: 11/5/96

Expiration Date: NA

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction 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.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: National Emission Standards for Hazardous Air Pollutants
40 CFR 61, Subpart H (NESHAPs)

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit No: Letter

Permitted Unit: Vertical Calciner at Plutonium Finishing Plant

Issuance Date: 10/3/96

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction 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.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: National Emission Standards for Hazardous Air Pollutants
40 CFR 61, Subpart H (NESHAPs)

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit No: Letter

Permitted Unit: Waste Encapsulation and Storage Facility Exhaust and Stack Pad Decontamination

Issuance Date: 1/20/98

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

This approval allows the decontamination of the K-3 exhaust pad, 296 B-10 stack base, and removal of the soil containing contaminated paint flakes. The proposed method of decontaminating the exhaust pad and stack base is by using a scabbler connected to a HEPA vacuum system.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: National Emission Standards for Hazardous Air Pollutants
40 CFR 61, Subpart H (NESHAPs)

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit No: Letter

Permitted Unit: Waste Encapsulation and Storage Facility Liquid Low Level Radioactive Stream Piping
Modification and Contingency Operations

Issuance Date: 3/30/98

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

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

Permitting Agency: Washington State Department of Health

Permit No: Routine Technical Assistance Meeting

Permitted Unit: Waste Encapsulation and Storage Facility K-3 Duct Characterization

Issuance Date: 12/17/97

Expiration Date: NA

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction 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.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit () Renewal () New Permit (X)

Permit Type: National Emission Standards for Hazardous Air Pollutants
40 CFR 61, Subpart H (NESHAPs)

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit No: Letter

Permitted Unit: Waste Encapsulation and Storage Facility K-3 Duct Characterization

Issuance Date: 3/6/98

Expiration Date: NA

Need for Headquarters' Action Yes () No (X)
(for permit renewals or new permits) If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction 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.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

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

Permitting Agency: Washington State Department of Health

Permit No: Routine Technical Assistance Meeting

Permitted Unit: Waste Encapsulation and Storage Facility Exhaust and Stack Pad Decontamination

Issuance Date: 11/6/97

Expiration Date: NA

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allow the decontamination of the K-3 exhaust pad, 296 B-10 stack base, and removal of the soil containing contaminated paint flakes. The proposed method of decontaminating the exhaust pad and stack base is by using a scabbler connected to a HEPA vacuum system.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

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

Permitting Agency: Washington State Department of Health

Permit No: Routine Technical Assistance Meeting

Permitted Unit: Waste Encapsulation and Storage Facility Liquid Low Level Radioactive Stream Piping
Modification and Contingency Operations

Issuance Date: 2/26/98

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction 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.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

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

Permitting Agency: Washington State Department of Health

Permit No: Routine Technical Assistance Meeting

Permitted Unit: Waste Encapsulation and Storage Facility (WESF) Tank 100 Activities to Support LLLW Decoupling

Issuance Date: 5/11/98

Expiration Date: NA

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allows WESF to proceed with the work activities supporting the removal and replacement of Tank 100, which collects all potential radiologically contaminated liquid generated in the facility. The tank is being replaced as part of the new low-level liquid waste management system. An NOC clarification was received on 6/30/98.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: National Emission Standards for Hazardous Air Pollutants
40 CFR 61, Subpart H (NESHAPs)

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit No: Letter

Permitted Unit: Waste Encapsulation and Storage Facility (WESF) Tank 100 Activities to Support LLLW Decoupling

Issuance Date: 5/21/98

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

This approval allows WESF to proceed with the work activities supporting the removal and replacement of Tank 100, which collects all potential radiologically contaminated liquid generated in the facility. The tank is being replaced as part of the new low-level liquid waste management system.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: National Emission Standards for Hazardous Air Pollutants
40 CFR 61, Subpart H (NESHAPs)

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit No: Letter

Permitted Unit: Waste Receiving and Processing (WRAP1)

Issuance Date: 5/10/93

Expiration Date: NA

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

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

Permitting Agency: Washington State Department of Health

Permit No: AIR93-907

Permitted Unit: Waste Receiving and Processing Facility

Issuance Date: 9/7/93

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X) Renewal () New Permit ()

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

Permitting Agency: Washington State Department of Ecology

Permit No: NOC 93-05

Permitted Unit: Waste Receiving and Processing Facility

Issuance Date: 12/13/93

Expiration Date: NA

Need for Headquarters' Action Yes () No (X)
(for permit renewals or new permits) If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

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

Permitting Agency: Washington State Department of Health

Permit No: EPS 90-275

Permitted Unit: Waste Sampling and Characterization Facility

Issuance Date: 6/11/90

Expiration Date: NA

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allows construction of the Waste Sampling and Characterization Facility in the 600 Area using approved radionuclide air emissions control equipment in accordance with descriptions contained in the application. The Waste Sampling and Characterization Facility provides the sample analyses necessary to support remediation on the Hanford Site. No revisions of this Notice of the Construction have been submitted to the Department of Health.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

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

Permitting Agency: Washington State Department of Ecology

Permit No: Letter

Permitted Unit: Waste Sampling and Characterization Facility

Issuance Date: 9/17/90

Expiration Date: NA

Need for Headquarters' Action

(for permit renewals or new permits)

Yes () No (X)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allows construction of the Waste Sampling and Characterization Facility in the 600 Area. The Waste Sampling and Characterization Facility provides the sample analyses necessary to support remediation on the Hanford Site. No revisions of the Notice of Construction have been submitted to Ecology. No approval conditions were specified.

There are no compliance issues, major permit conditions, or unusual problems associated with this project as of July 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office Richland

DOE Facility: Hanford

Existing Permit (X)

Renewal ()

New Permit ()

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

Permitting Agency: Washington State Department of Health

Permit Number: N/A

Permitted Unit: Water/Sediment Removal from 107-N, 1310-N, and 1314-N Facilities

Issuance Date: 03/17/97

Expiration Date: N/A

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this Notice of Construction allows for water/sediment removal from 107-N, 1910-N, and 1314-N Facilities. Approval was received from the Department of Health on March 17, 1997. Activities began in July 1997 and were completed in September 1997 for the 1314-N facility, October 1997 for the 1310-N facility, and March 1998 for the 107-N facility. This project did not have any compliance issues or unusual problems during this reporting period.

Compiled by: Bechtel Hanford, Inc.
Regulatory Support

Date: July 31, 1998

DOE Operations Office Richland

DOE Facility: Hanford

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: National Emission Standard for Hazardous Air Pollutants (NESHAPs) -
40 CFR 61, Subpart H

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit Number: N/A

Permitted Unit: Water/Sediment Removal from 107-N, 1310-N, and 1314-N Facilities

Issuance Date: 05/30/97

Expiration Date: N/A

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Approval of this application allows for water/sediment removal from the 107-N, 1310-N, and 1314-N Facilities. Approval was received from the EPA on May 30, 1997. Activities began in July 1997 and were completed in September 1997 for the 1314-N facility, October 1997 for the 1310-N facility, and March 1998 for the 107-N facility. This project did not have any compliance issues or unusual problems during this reporting period.

Compiled by: Bechtel Hanford, Inc.
Regulatory Support

Date: July 31, 1998

CLEAN WATER ACT PERMITTING

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DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: National Pollutant Discharge Elimination System (NPDES) - 40 CFR 122

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit Number: WA-000374-3

Permitted Unit: 004A Outfall

Issuance Date: 12/12/81

Expiration Date: Refer to Note

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

The NPDES governs discharges to the Columbia River. The major permit conditions include discharge points, effluent limitations, and monitoring requirements.

The 100K Pools are planned for fish rearing by the Yakima Indian Nation. A letter was sent to the EPA on August 1, 1996, identifying topics to discuss on NPDES permitting.

Note: The Hanford Site NPDES Permit expired December 31, 1985. Part 4, Subsection D, "General Requirements of the Federal Water Pollution Control Act," provides for a continuation of the existing NPDES permit in force until the EPA acts upon subsequent applications for renewal or modification. A renewal application was submitted to the EPA on June 28, 1985. Another renewal application was sent to EPA during November 1997 for a new permit under WA-002591-7 (300 Area Treated Effluent Disposal Facility).

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: National Pollutant Discharge Elimination System (NPDES) - 40 CFR 122

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit Number: WA-000374-3

Permitted Unit: 013 A Outfall

Issuance Date: 12/12/81

Expiration Date: Refer to Note

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Hanford Site National Pollutant Discharge Elimination System Permit (NPDES), WA-000374-3, authorizes waste water discharges from specific outfalls on the Hanford reservation to the Columbia River. The permit establishes specific effluent limitations and monitoring requirements for each outfall identified.

The 331 Building Life Sciences Laboratory is used to conduct aquatic research for a wide variety of clients, including the DOE at Hanford, Bonneville Power Administration, and the U.S. Army Corps of Engineers. Waste water resulting from the aquaculture activities are discharged through Outfall 013-A. Effluent is sampled on a monthly basis and results reported to the EPA via submittal of monthly discharge monitoring reports.

The Hanford Site NPDES permit has been scheduled for revision by EPA Region 10 during CY 1998. This revision includes a proposal to combine the 300 Area Treated Effluent Disposal Facility NPDES permit (WA-002591-7) with the existing Hanford Site NPDES permit (thus, one Hanford Site NPDES would provide coverage for all process discharges to the Columbia River).

Note: The Hanford Site NPDES Permit expired December 31, 1985. Part 4, Subsection D, "General Requirements of the Federal Water Pollution Control Act," provides for a continuation of the existing NPDES permit in force until the EPA acts upon subsequent applications for renewal or modification. A renewal application was submitted to the EPA on June 28, 1985. A request for eliminating the outfall from the NPDES program was submitted to DOE-RL during July 1997 for subsequent transmittal to EPA.

Compiled by: Pacific Northwest National Laboratory
Environmental Management Services

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: Modification Request for the Hanford Site National Pollutant Discharge Elimination System (NPDES) Permit - 40 CFR 122

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit Number: WA-000374-3

Permitted Unit: 005, 006, 007, 009, and N Springs Outfalls

Issuance Date: 12/12/81

Expiration Date: Refer to Note

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

The NPDES governs discharges to the Columbia River. The major permit conditions include discharge points, effluent limitations, and monitoring requirements.

A request for minor modification to the NPDES permit to eliminate 005, 006, 007, 009, and N Springs Outfalls from the monitoring and reporting requirements was submitted to the EPA in August 1995. The outfalls are inactive.

Note: The Hanford Site NPDES Permit expired December 31, 1985. Part 4, Subsection D, "General Requirements of the Federal Water Pollution Control Act," provides for a continuation of the existing NPDES permit in force until the EPA acts upon subsequent applications for renewal or modification. A renewal application was submitted to the EPA on June 28, 1985. A followup request for eliminating the outfalls from the NPDES program was submitted to DOE-RL during July 1997 and DOE-RL transmitted the request to EPA in November 1997. Response is pending.

Compiled by: Bechtel Hanford, Inc.
Regulatory Support

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: National Pollutant Discharge Elimination System (NPDES) - 40 CFR 122

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit Number: WA-002591-7

Permitted Unit: 300 Area Treated Effluent Disposal Facility, Project L-045H

Issuance Date: 10/31/94

Expiration Date: 11/01/99

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

The NPDES governs discharges to the Columbia River. The major permit conditions include discharge points, effluent limitations, and monitoring requirements.

The NPDES permit allows treatment and disposal of the process effluent to the Columbia River from industrial and research operations in the 300 Area. The 300 Area Treated Effluent Disposal Facility commenced discharge on December 30, 1994, meeting Tri-Party Agreement Milestone M-17-09. A letter was submitted to the EPA on August 1, 1996, identifying areas in the permit that need to be discussed for possible modification.

Note: The NPDES permit was reopened under the reopener clause on NPDES permit #WA-002591-7. The permit was submitted to EPA during November 1997 for a new permit.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: Termination of Coverage Storm Water General Permit, No.: WA-R-10-00F,
from Construction Activities, National Pollutant Discharge Elimination System
(NPDES) - 40 CFR 122

Permitting Agency: U.S. Environmental Protection Agency Region 10

Permit Number: WA-R-10-000F

Permitted Unit: 300 Area Treated Effluent Disposal Facility, Project L-045H

Issuance Date: N/A

Expiration Date: N/A

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

The NPDES governs discharges to the Columbia River. The major permit conditions include discharge points, effluent limitations, and monitoring requirements.

A Notice of Termination of coverage was submitted to the EPA under this general permit on January 9, 1995, for the 300 Area Treated Effluent Disposal Facility outfall construction project, that was assigned permit number WA-R-10-A09F. There has not been any activity on this permit during the period covered by this Status Report.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: Clean Water Act, Section 404 - 33 CFR 330

Permitting Agency: U.S. Army Corps of Engineers

Permit Number: 95-1-00441

Permitted Unit: 181 B/C and D Fish Screen Replacement

Issuance Date: 05/24/95

Expiration Date: 05/24/98

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

This permit allows for dredging operations in the waters of the United States.

The 181 B/C potable water intake requires dredging in front of the intake structure in the Columbia River to install a new passive fish screen. The application was submitted to the U.S. Army Corps of Engineers on March 10, 1995, with the dredging scheduled for August 1995. A certification of compliance was submitted to the U.S. Army Corps of Engineers on August 2, 1996.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: Industrial Pretreatment Permit - 40 CFR 403 and city of Richland Ordinance 7-96

Permitting Agency: City of Richland, Water and Waste Utilities

Permit Number: CR-IU005

Permitted Unit: Environmental Molecular Science Laboratory

Issuance Date: 10/01/96

Expiration Date: 10/01/01

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

City of Richland Industrial Wastewater Discharge Permit CR-IU005 provides authorization to discharge industrial waste water from the Environmental Molecular Sciences Laboratory (EMSL) to the city of Richland sanitary sewer system. The permit became effective on October 1, 1996 and will expire October 1, 2001.

The permit establishes specific waste water discharge limitations and monitoring requirements for the process waste water discharged from the facility. 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 waste water generated from restrooms, kitchens, and drinking fountains from the administrative area of EMSL are discharged directly to the city of Richland sanitary sewer system and are exempt from permitting.

To date, the operational status of the facility process sewer remains in compliance with permit requirements. No exceedences of the permit limitations have occurred since the effective date of the permit.

Compiled by: Pacific Northwest National Laboratory
Environmental Management Services

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: Storm Water General Permit, No.: WA-R-000-00F, National Pollutant Discharge Elimination System (NPDES) - 40 CFR 122

Permitting Agency: U.S. Environmental Protection Agency, Region 10

Permit Number: WA-R-00A17F

Permitted Unit: Hanford Site (Storm Water General Permit)

Issuance Date: 04/94

Expiration Date: 09/09/97

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

The Storm Water General Permit governs storm water discharges to the Columbia River. This permit requires a review and update to the Hanford Site Storm Water Comprehensive Site Compliance Evaluation, compiled annually by October 1, certified by DOE-RL, and maintained on file. This annual report, based on a storm water outfall survey, is scheduled to be completed October 1, 1997. A new Notice of Intent for continued coverage under the General Permit was submitted (postmarked) to the EPA on August 28, 1997, for renewal of the existing permit.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

NATIONAL PARK SERVICE REVIEW PERMITTING

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DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: U.S. Park Service Review - Public Law 100-605

Permitting Agency: U.S. Park Service

Permit Number: N/A

Permitted Unit: 181 B/C and D Fish Screen Replacement

Issuance Date: 04/11/95

Expiration Date: N/A

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

The Hanford Reach of the Columbia River remains under study for Wild and Scenic River designation by the National Park Service. Projects affecting such a designation are required to be reviewed and approved by the National Park Service.

The 181 B/C and D Fish Screen Replacement project's review was approved in April 1995 and the 181 B/C and D Fish Screen Replacement was completed on May 24, 1996, and April 22, 1996, respectively. Those in operation are not subject to any major permit conditions and are operating in compliance and without any unusual problems.

The 181-B location continues to operate without significant problems. The 181 C location has been blocked as it is not needed. The 181 D location (serving as a backup to the 181-B location) has been replaced and is operated periodically. The 181-DR screen is blocked off as it is no longer needed or used. Those in operation are not subject to any major permit conditions and are operating in compliance and without any unusual problems.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

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AQUATIC LANDS LEASE PERMITTING

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DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: Application to Lease Aquatic Lands - WAC 173-201

Permitting Agency: State of Washington Department of Natural Resources

Permit Number: 20-013357

Permitted Unit: 300 Area Treated Effluent Disposal Facility, Project L-045H

Issuance Date: 10/16/94

Expiration Date: 10/15/24 (with 2 additional 10-year option periods)

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

The 300 Area Treated Effluent Disposal Facility (Project L-045H) is designed to treat and dispose of the process effluent to the Columbia River from industrial and research operations in the 300 Area. An Aquatic Lands Lease allows placement of an outfall for discharge of the treated effluent on the bottom of the Columbia River. The Aquatic Lands Lease contains monitoring and notification requirements.

During the period covered by this Status Report exceedence has occurred from a radon226/228 excursion in the Columbia River sample. TEDF effluent did not have elevated levels of radon226/228.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

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HYDRAULIC PROJECT APPROVAL PERMITTING

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DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: Hydraulic Project Approval Application - WAC 220-110

Permitting Agency: State of Washington Department of Fish and Wildlife

Permit Number: Original: 00-A3722-02; Modified: 00-A3722-03

Permitted Unit: 181 B/C and D Fish Screen Replacement

Issuance Date: Original: 06/08/95; Modified: 04/29/96

Expiration Date: Original: 07/31/96; Modified: 11/01/96

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

The Hydraulic Project Approval covers construction work within the high water mark on all Washington State streams. Major project approval requirements prevent excess siltation of the stream and replacement of the riverine vegetation.

A Hydraulic Project Approval Application was submitted March 20, 1995, to allow dredging and screening in front of the 181 B/C and D water intake structures. A request to modify the project to include vacuuming of sediment from the interior of the 181-K East river pumping station forebay was submitted. The Department of Fish and Wildlife approved the project on April 29, 1996.

The 181 B/C and D Fish Screen Replacement project approval includes the vacuuming of sediment. The 181 B/C and D Fish Screen Replacement was completed on May 24, 1996, and April 22, 1996, respectively. The vacuuming of the sediment at the 181-K East forebay was completed on May 30, 1996.

The 181-B location continues to operate without significant problems. The 181 C location has been blocked as it is not needed. The 181 D location (serving as a backup to the 181-B location) has been replaced and is operated periodically. The 181-DR screen is blocked off as it is no longer needed or used. Those in operation are not subject to any major permit conditions and are operating in compliance and without any unusual problems.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: Hydraulic Project Approval Application - WAC 220-110

Permitting Agency: State of Washington Department of Fish and Wildlife

Permit Number: 00-B8412-01

Permitted Unit: 181-K East Fish Screen Replacement

Issuance Date: 04/29/96

Expiration Date: 01/31/97

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

The Hydraulic Project Approval covers construction work within the high water mark on all Washington State streams. Major project approval requirements prevent excess siltation of the stream and replacement of the riverine vegetation.

A Hydraulic Project Approval Application was submitted on April 19, 1996, to allow vacuum dredging and screening in the forebay of the 181-K East water intake structure. This Hydraulic Project Approval allows the diversion of water without installation of fish guards until the fuel has been removed from the K Basins in the 100 Area.

The vacuum dredging notice to proceed was given to Thompson Mechanical who subcontracted to American Diving on May 21, 1996. The vacuum dredging was completed on June 6, 1996 and approximately 60 cubic meters of silt was removed from the forebay of 181-KE. No additional work has been done by project W-405 at 181-KE water intake structure.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

WATER QUALITY STANDARDS MODIFICATION PERMITTING

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DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: Water Quality Standards Modification Order - WAC 173-201A

Permitting Agency: Washington State Department of Ecology

Permit Number: DE-95NM-024

Permitted Unit: 181 B/C and D Fish Screen Replacement

Issuance Date: 06/06/95

Expiration Date: 08/31/95

Need for Headquarters' Action

(for permit renewals or new permits)

Yes () No (X)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

The Water Quality Standards Modification Request provides for the relaxation of water quality standards on a short-term basis to allow construction in Washington State streams. Appropriate pollution control measures are taken to prevent pollution of the stream.

A Water Quality Standards Modification Request was submitted March 31, 1995, to allow dredging in the Columbia River in August 1995. The Order allowed the water quality criteria to be modified for a limited period between August 1, 1995, and August 31, 1995. The dredging was completed in August 1995. The 181 B/C and D Fish Screen Replacement project was completed on May 24, 1996, and April 22, 1996, respectively.

The 181-B location continues to operate without significant problems. The 181 C location has been blocked as it is not needed. The 181 D location (serving as a backup to the 181-B location) has been replaced and is operated periodically. The 181-DR screen is blocked off as it is no longer needed or used. Those in operation are not subject to any major permit conditions and are operating in compliance and without any unusual problems.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: Water Quality Standards Modification Order - WAC 173-201A

Permitting Agency: Washington State Department of Ecology

Permit Number: DE-96-NM-034

Permitted Unit: 181-K Fish Screen Replacement

Issuance Date: 05/01/96

Expiration Date: 09/01/96

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

A Water Quality Standards Modification Order provides for the relaxation of water quality standards on a short-term basis to allow construction within Washington State streams. Appropriate pollution control measures are taken to prevent pollution of the stream.

A Water Quality Standards Modification Request was submitted to Ecology on April 19, 1996, to allow vacuum dredging in the forebay of the 181-K East water intake structure. The Order allowed the water quality criteria to be modified for a 7-day period between May 1 and September 1, 1996. The vacuum dredging notice to proceed was given to Thompson Mechanical who subcontracted to American Diving on May 21, 1996. The vacuum dredging was completed on June 6, 1996, and approximately 60 meters of silt was removed from the forebay of 181-KE water intake structure. No additional work has been done by project W-405 at 181-KE.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

STATE WASTE DISCHARGE PERMITTING

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DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: State Waste Discharge Permit - WAC 173-216

Permitting Agency: Washington State Department of Ecology

Permit Number: ST 4507

Permitted Unit: 100-N Sewage Lagoon

Issuance Date: 05/12/97

Expiration Date: 05/12/02

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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 with the permit conditions has been maintained during the reporting period.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: State Waste Discharge Permit - WAC 173-216

Permitting Agency: Washington State Department of Ecology

Permit Number: ST 4503

Permitted Unit: 183-N Backwash Discharge Pond

Issuance Date: 05/12/97

Expiration Date: 05/12/02

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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 waste water 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. Compliance with the permit conditions have been maintained during the reporting period.

Compiled by: Bechtel Hanford, Inc.
Regulatory Support

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: State Waste Discharge Permit - WAC 173-216

Permitting Agency: Washington State Department of Ecology

Permit Number: ST 4500

Permitted Unit: 200 Area Effluent Treatment Facility

Issuance Date: 06/26/95

Expiration Date: 06/30/00

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

The State Waste Discharge Permit for the 200 Area Effluent Treatment Facility governs discharges of treated waste water to the State Approved Land Disposal Site. The permit conditions include influent and effluent limitations, and monitoring requirements. Permit condition deviations were reported in accordance with the permit requirements and corrective actions were taken. Additionally, elevated sulfate concentration in a groundwater monitoring well near the effluent discharge area is attributed to existing sulfate in the soil near the State Approved Land Disposal Site.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: State Waste Discharge Permit - WAC 173-216

Permitting Agency: Washington State Department of Ecology

Permit Number: ST 4502

Permitted Unit: 200 Area Treated Effluent Disposal Facility, Project W-049H

Issuance Date: 04/18/95

Expiration Date: 04/18/00

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

State Waste Discharge Permit ST 4502 provides the terms and conditions that regulate the discharge of treated waste water from the 200 Area Treated Effluent Disposal Facility to the soil. Compliance with the permit conditions has been maintained except for several iron exceedences during FY 1997. Additional waste streams were added to the 200 Area Treated Effluent Disposal Facility in 1997. These new waste streams are the remaining streams associated with the C-lobe of B Pond. Permitting efforts associated with these new waste streams have been completed and approved by Ecology.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: State Waste Discharge Permit - WAC 173-216

Permitting Agency: Washington State Department of Ecology

Permit Number: ST 4501

Permitted Unit: 400 Area Secondary Cooling Water

Issuance Date: 07/31/96

Expiration Date: 07/31/01

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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 was submitted for 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 Fast Flux Test Facility. The effluent is discharged to the 4608 Percolation Pond. A Consent Order DE 91NM-177 milestone was satisfied with the submittal of the permit application to Ecology in December 1992. The Permit was issued in July 1996. In February 1998 the permit was modified to support resolution of compliance issue associated with waste water discharges.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit () Renewal () New Permit (X)

Permit Type: State Waste Discharge Permit - WAC 173-216

Permitting Agency: Washington State Department of Ecology

Permit Number: ST 4509

Permitted Unit: Cooling Water and Condensate Discharges

Issuance Date: 05/01/98

Expiration Date: 05/01/03

Need for Headquarters' Action Yes () No (X)
(for permit renewals or new permits) If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

State Waste Discharge Permit ST 4509 was issued by Ecology on May 1, 1998 and permits cooling water and steam condensate discharges on the Hanford Site. The permit requires the submittal of a draft pollution prevention plan to Ecology for review by November 1, 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: Categorical State Waste Discharge Permit - WAC 173-216

Permitting Agency: Washington State Department of Ecology

Permit Number: ST 4508

Permitted Unit: Hydrotesting, Construction, and Maintenance Discharges

Issuance Date: 05/30/97

Expiration Date: 05/30/02

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

State Waste Discharge Permit ST 4508 was issued by Ecology on May 30, 1997, and permits hydrotesting, maintenance, and construction discharges on the Hanford Site. The permit identifies specific discharge requirements and best management practice. The permit also requires submittal of a pollution prevention plan. The pollution prevention plan was approved by Ecology on January 9, 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: Underground Injection Control Program - WAC 173-218

Permitting Agency: Washington State Department of Ecology

Permit Number: TBD

Permitted Unit: Class V Underground Injection Wells

Issuance Date: TBD

Expiration Date: TBD

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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 represents the last registration of this information. Future revisions to the registration will be contingent upon available funding sources.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

ONSITE SEWAGE SYSTEM PERMITTING

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DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: Onsite Sewage System - WAC 246-272

Permitting Agency: Washington State Department of Health - Spokane

Permit Number: HAN099

Permitted Unit: 100B Area Septic Holding Tank System

Issuance Date: 08/96

Expiration Date: TBD

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Holding tank sewage systems are permitted once in accordance with WAC 246-272-12501. Through negotiations with the Department of Health, the DOE-RL is allowed to install holding tank sewage systems on a temporary basis. The 100B Area support facility septic holding tank is a permitted holding tank system with a design capacity of 757 liters per day.

Compiled by: Bechtel Hanford, Inc.
Regulatory Support

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: Onsite Sewage System - WAC 246-272

Permitting Agency: Washington State Department of Health - Spokane

Permit Number: HAN099

Permitted Unit: 100B/C Area Septic Holding Tank System

Issuance Date: 05/96

Expiration Date: TBD

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Holding tank sewage systems are permitted once in accordance with WAC 246-272-12501. Through negotiations with the Department of Health, 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 per day.

Compiled by: Bechtel Hanford, Inc.
Regulatory Support

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: Onsite Sewage System - WAC 246-272

Permitting Agency: Washington State Department of Health - Spokane

Permit Number: HAN099

Permitted Unit: 100D Area Septic Holding Tank System

Issuance Date: 08/96

Expiration Date: TBD

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Holding tank sewage systems are permitted once in accordance with WAC 246-272-12501. Through negotiations with the Department of Health, 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 568 liters per day.

Compiled by: Bechtel Hanford, Inc.
Regulatory Support

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal (X)

New Permit ()

Permit Type: Onsite Sewage System - WAC 246-272

Permitting Agency: Washington State Department of Health - Spokane

Permit Number: N/A

Permitted Unit: 183-KE Septic Holding Tank

Issuance Date: 09/30/97

Expiration Date: 09/30/98

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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 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 14,384 liters per day.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal (X)

New Permit ()

Permit Type: Onsite Sewage System - WAC 246-272

Permitting Agency: Washington State Department of Health - Spokane

Permit Number: N/A

Permitted Unit: 2750-E and Adjacent Facilities Septic System

Issuance Date: 09/30/97

Expiration Date: 09/30/98

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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 with a design capacity of 55,000 liters per day.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: Onsite Sewage System - WAC 246-272

Permitting Agency: Washington State Department of Health - Spokane

Permit Number: N/A

Permitted Unit: 222-S Laboratory Complex, Septic System

Issuance Date: 09/30/97

Expiration Date: 09/30/98

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Large onsite septic systems are permitted once in accordance with WAC 246-272-12501. Through negotiations with the Department of Health, 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 has a design capacity of 50,000 liters per day.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal (X)

New Permit ()

Permit Type: Onsite Sewage System - WAC 246-272

Permitting Agency: Washington State Department of Health - Spokane

Permit Number: HAN014

Permitted Unit: 1607-K4 Septic Tank

Issuance Date: 09/30/97

Expiration Date: 09/30/98

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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 14,384 liters per day.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit () Renewal (X) New Permit ()

Permit Type: Onsite Sewage System - WAC 246-272

Permitting Agency: Washington State Department of Health - Spokane

Permit Number: HAN017

Permitted Unit: 2607-EP Septic Tank

Issuance Date: 09/30/97

Expiration Date: 09/30/98

Need for Headquarters' Action Yes () No (X)
(for permit renewals or new permits) If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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 54,888 liters per day.

Compiled by: Waste Management Federal Services of Hanford, Inc.
 for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal (X)

New Permit ()

Permit Type: Onsite Sewage System - WAC 246-272

Permitting Agency: Washington State Department of Health - Spokane

Permit Number: HAN016

Permitted Unit: 2607-EQ Septic Tank

Issuance Date: 09/30/97

Expiration Date: 09/30/98

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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 L092 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 54,131 liters per day.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: Onsite Sewage System - WAC 246-272

Permitting Agency: Washington State Department of Health - Spokane

Permit Number: N/A

Permitted Unit: 2607-E10 Septic Tank

Issuance Date: 09/30/97

Expiration Date: 09/30/98

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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 per day.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal (X)

New Permit ()

Permit Type: Onsite Sewage System - WAC 246-272

Permitting Agency: Washington State Department of Health - Spokane

Permit Number: HAN012

Permitted Unit: 2607-E12 Septic Tank

Issuance Date: 09/30/97

Expiration Date: 09/30/98

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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 25,400 liters per day.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: Onsite Sewage System - WAC 246-272

Permitting Agency: Washington State Department of Health - Spokane

Permit Number: N/A

Permitted Unit: 2607-WA East Septic Tank

Issuance Date: 09/30/97

Expiration Date: 09/30/98

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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 septic tank is a permitted onsite septic system with a design capacity of 2,540 liters per day.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal (X)

New Permit ()

Permit Type: Onsite Sewage System - WAC 246-272

Permitting Agency: Washington State Department of Health - Spokane

Permit Number: HAN009

Permitted Unit: 2607-W1 and 2607-W2 Septic Tanks

Issuance Date: 09/30/97

Expiration Date: 09/30/98

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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 and 2607-W2 septic tanks are a large permitted onsite septic system with a design capacity of 54,900 liters per day.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: Onsite Sewage System - WAC 246-272

Permitting Agency: Washington State Department of Health - Spokane

Permit Number: N/A

Permitted Unit: 2607-W14 Septic Tank

Issuance Date: 09/30/97

Expiration Date: 09/30/98

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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 is a permitted onsite septic system with a design capacity of 9,577 liters per day.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: Onsite Sewage System - WAC 246-272

Permitting Agency: Washington State Department of Health - Spokane

Permit Number: N/A

Permitted Unit: 2607-W15 Septic Tank

Issuance Date: 10/17/96

Expiration Date: 09/30/97

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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 is a large permitted onsite septic system with a design capacity of 10,220 liters per day.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal (X)

New Permit ()

Permit Type: Onsite Sewage System - WAC 246-272

Permitting Agency: Washington State Department of Health - Spokane

Permit Number: HAN011

Permitted Unit: 6607-9 Septic Tank

Issuance Date: 09/30/97

Expiration Date: 09/30/98

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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 is a large permitted onsite septic system with a design capacity of 25,362 liters per day.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit () Renewal (X) New Permit ()

Permit Type: Onsite Sewage System - WAC 246-272

Permitting Agency: Washington State Department of Health - Spokane

Permit Number: HAN003

Permitted Unit: 6607-11 Septic Tank

Issuance Date: 09/30/97

Expiration Date: 09/30/98

Need for Headquarters' Action Yes () No (X)
(for permit renewals or new permits) If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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 is a large permitted onsite septic system with a design capacity of 44,668 liters per day.

Compiled by: Waste Management Federal Services of Hanford, Inc.
 for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal (X)

New Permit ()

Permit Type: Onsite Sewage System - WAC 246-272

Permitting Agency: Washington State Department of Health - Spokane

Permit Number: HAN005

Permitted Unit: 6607-16 Septic Tank

Issuance Date: 09/30/97

Expiration Date: 09/30/98

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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 is a large permitted onsite septic system with a design capacity of 18,927 liters per day.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: Onsite Sewage System - WAC 246-272

Permitting Agency: Washington State Department of Health - Spokane

Permit Number: N/A

Permitted Unit: 6607-17 Septic Tank

Issuance Date: 09/30/97

Expiration Date: 09/30/98

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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 is a permitted onsite septic system with a design capacity of 1,365 liters per day.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal (X)

New Permit ()

Permit Type: Onsite Sewage System - WAC 246-272

Permitting Agency: Washington State Department of Health - Spokane

Permit Number: HAN099

Permitted Unit: Environmental Molecular Sciences Laboratory Temporary Septic Holding Tank

Issuance Date: 10/17/96

Expiration Date: 09/30/97

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

With the completion of EMSL construction activities, the temporary septic holding tank that serviced the construction trailers was taken out of service and removed from ground (July 6, 1998). Notification to be provided to the Washington Department of Health.

Compiled by: Pacific Northwest National Laboratory
Environmental Management Services

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: Onsite Sewage System - WAC 246-272

Permitting Agency: Washington State Department of Health - Spokane

Permit Number: HAN099

Permitted Unit: Environmental Restoration Disposal Facility Construction Trailer Septic Holding Tank System

Issuance Date: 10/95

Expiration Date: TBD

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Holding tank sewage systems are permitted once in accordance with WAC 246-272-12501. Through negotiations with the Department of Health, 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 per day.

Compiled by: Bechtel Hanford, Inc.
Regulatory Support

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: Onsite Sewage System - WAC 246-272

Permitting Agency: Washington State Department of Health - Spokane

Permit Number: HAN099

Permitted Unit: Environmental Restoration Disposal Facility Septic Holding Tank

Issuance Date: 09/95

Expiration Date: TBD

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Holding tank sewage systems are permitted once in accordance with WAC 246-272-12501. Through negotiations with the Department of Health, the DOE-RL is allowed to install holding tank sewage systems on a temporary basis. The Environmental Restoration Disposal Facility septic holding tank is a permitted holding tank system with a design capacity of 2,841 liters per day.

Compiled by: Bechtel Hanford, Inc.
Regulatory Support

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit (X)

Renewal ()

New Permit ()

Permit Type: Onsite Sewage System - WAC 246-272

Permitting Agency: Washington State Department of Health - Spokane

Permit Number: HAN099

Permitted Unit: Environmental Restoration Disposal Facility Shop Facility Septic Holding Tank System

Issuance Date: 07/96

Expiration Date: TBD

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

Holding tank sewage systems are permitted once in accordance with WAC 246-272-12501. Through negotiations with the Department of Health, the DOE-RL is allowed to install holding tank sewage systems on a temporary basis. The Environmental Restoration Disposal Facility shop facility septic holding tank is a permitted holding tank system with a design capacity of 795 liters per day.

Compiled by: Bechtel Hanford, Inc.
Regulatory Support

Date: July 31, 1998

PETROLEUM UNDERGROUND STORAGE TANK PERMITTING

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DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal (X)

New Permit ()

Permit Type: Annual Permit for Active Petroleum Underground Storage Tanks - WAC 173-360

Permitting Agency: Washington State Department of Ecology

Permit Number: 181B-66

Permitted Unit: 100B Area, 181B-66 Tank

Issuance Date: 10/17/97

Expiration Date: 06/30/99

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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 181B-66 tank contained diesel fuel. A tank permit was renewed with Master Business License 601 310 923 issued on June 30, 1998. This tank is temporarily closed under WAC 173-360.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal (X)

New Permit ()

Permit Type: Annual Permit for Active Petroleum Underground Storage Tanks - WAC 173-360

Permitting Agency: Washington State Department of Ecology

Permit Number: 204-AR

Permitted Unit: 200 East Area, 204-AR Tank

Issuance Date: 06/30/98

Expiration Date: 06/30/99

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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 issued on June 30, 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal (X)

New Permit ()

Permit Type: Annual Permit for Active Petroleum Underground Storage Tanks - WAC 173-360

Permitting Agency: Washington State Department of Ecology

Permit Number: 241-A-701-1

Permitted Unit: 200 East Area, 241-A-701-1 Tank

Issuance Date: 06/30/98

Expiration Date: 06/30/99

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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 241-A-701-1 tank contains diesel fuel. The tank permit was renewed with Master Business License 601 310 923 issued on June 30, 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal (X)

New Permit ()

Permit Type: Annual Permit for Active Petroleum Underground Storage Tanks - WAC 173-360

Permitting Agency: Washington State Department of Ecology

Permit Number: 241-A-701-2

Permitted Unit: 200 East Area, 241-A-701-2 Tank

Issuance Date: 06/30/98

Expiration Date: 06/30/99

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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 241-A-701-2 tank contains diesel fuel. The tank permit was renewed with Master Business License 601 310 923 issued on June 30, 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal (X)

New Permit ()

Permit Type: Annual Permit for Active Petroleum Underground Storage Tanks - WAC 173-360

Permitting Agency: Washington State Department of Ecology

Permit Number: 242-A-1

Permitted Unit: 200 East Area, 242-A-1 Tank

Issuance Date: 06/30/98

Expiration Date: 06/30/99

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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 issued on June 30, 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal (X)

New Permit ()

Permit Type: Annual Permit for Active Petroleum Underground Storage Tanks - WAC 173-360

Permitting Agency: Washington State Department of Ecology

Permit Number: 244-AR

Permitted Unit: 200 East Area, 244-AR Tank

Issuance Date: 06/30/97

Expiration Date: 06/30/98

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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 244-AR tank contains diesel fuel. The tank has been removed and closed out.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal (X)

New Permit ()

Permit Type: Annual Permit for Active Petroleum Underground Storage Tanks - WAC 173-360

Permitting Agency: Washington State Department of Ecology

Permit Number: 2711E-66

Permitted Unit: 200 East Area, 2711-66 Tank

Issuance Date: 06/30/98

Expiration Date: 06/30/99

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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 issued on June 30, 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal (X)

New Permit ()

Permit Type: Annual Permit for Active Petroleum Underground Storage Tanks - WAC 173-360

Permitting Agency: Washington State Department of Ecology

Permit Number: 2711E-66

Permitted Unit: 200 East Area, 2711-66A Tank

Issuance Date: 06/30/98

Expiration Date: 06/30/99

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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 issued on June 30, 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal (X)

New Permit ()

Permit Type: Annual Permit for Active Petroleum Underground Storage Tanks - WAC 173-360

Permitting Agency: Washington State Department of Ecology

Permit Number: 2721Z-1

Permitted Unit: 200 West Area, 2721Z-1 Tank

Issuance Date: 06/30/98

Expiration Date: 06/30/99

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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 tank contains diesel fuel. The tank permit was renewed with Master Business License 601 310 923 issued on June 30, 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal (X)

New Permit ()

Permit Type: Annual Permit for Active Petroleum Underground Storage Tanks - WAC 173-360

Permitting Agency: Washington State Department of Ecology

Permit Number: 2736ZA-1

Permitted Unit: 200 West Area, 2736ZA-1 Tank

Issuance Date: 06/30/98

Expiration Date: -06/30/99

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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 2736ZA-1 tank contains diesel fuel. The tank permit was renewed with Master Business License 601 310 923 issued on June 30, 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal (X)

New Permit ()

Permit Type: Annual Permit for Active Petroleum Underground Storage Tanks - WAC 173-360

Permitting Agency: Washington State Department of Ecology

Permit Number: 3621-C

Permitted Unit: 300 Area, 3621-C Tank

Issuance Date: 06/30/98

Expiration Date: 06/30/99

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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 issued on June 30, 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: Annual Permit for Active Petroleum Underground Storage Tanks - WAC 173-360

Permitting Agency: Washington State Department of Ecology

Permit Number: 3621-66

Permitted Unit: 300 Area, 3621-66 Tank

Issuance Date: 06/30/98

Expiration Date: 06/30/99

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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 issued on June 30, 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal (X)

New Permit ()

Permit Type: Annual Permit for Active Petroleum Underground Storage Tanks - WAC 173-360

Permitting Agency: Washington State Department of Ecology

Permit Number: 400-FFTF-T303

Permitted Unit: 400 Area, 400-FFTF-T303 Tank

Issuance Date: 06/30/98

Expiration Date: 06/30/99

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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 on June 30, 1998.

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Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: Annual Permit for Active Petroleum Underground Storage Tanks - WAC 173-360

Permitting Agency: Washington State Department of Ecology

Permit Number: 6291-66

Permitted Unit: 600 Area, 6291-66 Tank

Issuance Date: 06/30/98

Expiration Date: 06/30/99

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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 issued on June 30, 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: Annual Permit for Active Petroleum Underground Storage Tanks - WAC 173-360

Permitting Agency: Washington State Department of Ecology

Permit Number: 6291-66A

Permitted Unit: 600 Area, 6291-66A Tank

Issuance Date: 06/30/98

Expiration Date: 06/30/99

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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 issued on June 30, 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: Annual Permit for Active Petroleum Underground Storage Tanks - WAC 173-360

Permitting Agency: Washington State Department of Ecology

Permit Number: 1172-66

Permitted Unit: 1100 Area, 1172-66 Tank

Issuance Date: 06/30/98

Expiration Date: 06/30/99

Need for Headquarters' Action

Yes () No (X)

(for permit renewals or new permits)

If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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 1172-66 tank contains diesel fuel. A new underground storage tank permit was submitted with a Master Business License 601 310 923 issued on June 30, 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

DOE Operations Office: Richland

DOE Facility: Hanford Site

Existing Permit ()

Renewal ()

New Permit (X)

Permit Type: Annual Permit for Active Petroleum Underground Storage Tanks - WAC 173-360

Permitting Agency: Washington State Department of Ecology

Permit Number: 1172-66A

Permitted Unit: 1100 Area, 1172-66A Tank

Issuance Date: 06/30/98

Expiration Date: 06/30/99

Need for Headquarters' Action
(for permit renewals or new permits)

Yes () No (X)
If yes, HQ Program Element _____

Brief Summary of Relevant Information (major permit conditions, status of compliance or unusual problems):

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 1172-66A tank contains diesel fuel. A new underground storage tank permit was submitted with a Master Business License 601 310 923 issued on June 30, 1998.

Compiled by: Waste Management Federal Services of Hanford, Inc.
for Fluor Daniel Hanford, Inc.

Date: July 31, 1998

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REFERENCES

- DOE, 1997, Hanford Facility Dangerous Waste Permit Application, General Information Portion, DOE/RL-91-28, Rev. 3, U.S. Department of Energy, Richland Operations Office, Richland, Washington.
- Ecology, EPA, and DOE, 1996, 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. DE91N-177, Washington Department of Ecology, and U.S. Department of Energy, Olympia, Washington.

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