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STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

1315 W. 4th Avenue • Kennewick, Washington 99336-6018 • (509) 735-7581

December 9, 2002

Joel Hebdon, Director
Regulatory Compliance and Analysis Division
United States Department of Energy
P.O. Box 550, MSIN: A5-15
Richland, Washington 99352

Dear Mr. Hebdon:

Re: Quarterly Notification of Class 1 Modifications to the Hanford Facility Resource Conservation and Recovery Act (RCRA) Permit, Dangerous Waste Portion, (Quarter ending September 30, 2002)

Enclosed are the Modification Notification Forms indicating those modifications that the Washington State Department of Ecology (Ecology) has reviewed and approved for the referenced quarterly Class 1 Modifications.

The approved quarterly modifications include:

303-K Storage Facility

Hanford Facility RCRA Permit, V.14
Hanford Facility RCRA Permit, V.14.B
Attachment 32, Part A, Form 3, Comment Block
Attachment 32, Part A, Form 3, III.C

305-B Storage Facility

Hanford Facility RCRA Permit, III. 2.A
Chapters 2.0, 3.0, and 4.0
Chapter 2.0, Section 2.1
Chapter 2.0, Section 2.5.1
Chapter 3.0, Section 3.1
Chapter 3.0, Section 3.1
Chapter 3.0, Section 3.2.2
Chapter 3.0, Section 3.2.2
Chapter 3.0, Section 3.2.2
Chapter 3.0, Section 3.3.1
Chapter 3.0, Section 3.3.1

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December 9, 2002
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Chapter 3.0, Section 3.3.2

Chapter 3.0, Section 3.7.1

Chapter 3.0, Table 3-1

Chapter 4.0, Section 4.1.1.8

Chapter 6.0, Section 6.4.1

PUREX Storage Tunnels

Hanford Facility RCRA Permit, III.3

Hanford Facility RCRA Permit, List of Attachments

Page 2, Hanford Facility RCRA Permit, List of Attachments

Page 3, Hanford Facility RCRA Permit, List of Attachments

Hanford Facility RCRA Permit, Part I.H

Hanford Facility RCRA Permit, III.1.A

Hanford Facility RCRA Permit, III.1.B

Hanford Facility RCRA Permit, Part V.2

Hanford Facility RCRA Permit, Part V.3

Hanford Facility RCRA Permit, Part V.4

Hanford Facility RCRA Permit, Part V.5

Hanford Facility RCRA Permit, Part V.6

Hanford Facility RCRA Permit, Part V.7

Hanford Facility RCRA Permit, Part V.8

Hanford Facility RCRA Permit, Part V.9

Hanford Facility RCRA Permit, Part V.10

Hanford Facility RCRA Permit, Part V.11

Hanford Facility RCRA Permit, Part V.12

Hanford Facility RCRA Permit, Part V.13

Hanford Facility RCRA Permit, Part V.15

Hanford Facility RCRA Permit, Part V.20

The proposed Class 1 modification Page 4, Hanford Facility RCRA Permit, List of Attachments related to changes in the General Information Portion, United States Department of Energy/Richland Operations (DOE/RL)-91-28, Attachment 33 is not approved.

Mr. Joel Hebdon
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Again, USDOE and contractor staff are encouraged to discuss proposed Class 1 changes with Ecology's Unit Managers to clarify any questions and/or concerns. If you have any questions or comments regarding this letter, please contact me at (509) 736-5715 or Jean Vanni at (509) 736-3046.

Sincerely,



Laura Ruud
Permitting Specialist
Nuclear Waste Program

LR:JV:nc
Enclosures

cc w/enclosure: Roger J. Landon, BHI
 Richard H. Gurske, DFSH
 Suzette Thompson, FH
 Roby Enge, PNL
 Alice Ikenberry, PNL
 Stuart Harris, CTUIR
 Pat Sobotta, NPT
 Russell Jim, YN
 Environmental Portal, LMSI
 HF Operating Record
 Administrative Record

cc w/o enclosure: Nick Ceto, EPA
 Thomas E. Logan, BHI
 Ken Niles, OOE

Hanford Facility RCRA Permit Modification Notification Forms

Part V, Chapter 14 and Attachment 32

303-K Storage Facility

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Page 4 of 5: Attachment 32, Part A, Form 3, Comment Block
Page 5 of 5: Attachment 32, Part A, Form 3, III.C

Hanford Facility RCRA Permit Modification Notification Form

Unit:
303-K Storage Facility

Permit Part & Chapter:
Part V, Chapter 14 and Attachment 32

Description of Modification:

Hanford Facility RCRA Permit, V.14:

CHAPTER 14

303-K Storage Facility

The 303-K Storage Facility (303-K) was used primarily for storage, and some treatment of dangerous mixed wastes produced during the fuel fabrication process. These wastes consisted of beryllium/zircalloy-2 chips which were concreted at the 304 Concretion Facility, and other process wastes.

This unit was Clean Closed on July 22, 2002, in accordance with the approved Closure Plan contained in Attachment 32, that was retired during Revision 6 of this Permit.

~~V.14.A COMPLIANCE WITH THE APPROVED CLOSURE PLAN~~

~~The Permittees shall comply with all the requirements set forth in Attachment 32, including the Amendments specified in Condition V.14.B. Enforceable portions of the Plan are listed below; all subsections, figures, and tables included in these portions are also enforceable, unless stated otherwise:~~

~~Part A, Form 3, Permit Application, Revision 5, October 1996~~

~~Section 2.1 Description of the 303-K Storage Facility~~

~~Section 2.2 Security~~

~~Chapter 4.0 Waste Characteristics~~

~~Chapter 6.0 Closure Strategy and Performance Standards~~

~~Chapter 7.0 Closure Activities~~

~~Chapter 8.0 Post-Closure~~

~~Appendix B Random Sampling Locations~~

~~Appendix E Personnel Training~~

~~Appendix F Quality Assurance Project Plan for Sampling and Analysis for the 304 Concretion Facility Closure Activities~~

Modification Class: ¹²³

Please check one of the Classes:

Class 1	Class ¹ 1	Class 2	Class 3
X			

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

A. General Permit Provisions

1. Administrative and informational changes

Permit
1-17-02

Submitted by Co-Operator: <i>L. Volguin</i> 9/18/02 L. Volguin Date	Reviewed by RL Program Office: <i>D. Evans</i> 9/23/02 D. T. Evans Date	Reviewed by Ecology: <i>Federick Bond</i> 11/13/02 R. Bond Date	Reviewed by Ecology: <i>L. E. Ruud</i> 11/21/02 L. E. Ruud Date
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¹Class 1 modifications requiring prior Agency approval.

² This is only an advanced notification of an intended Class ¹1, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.

³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to ¹1, if appropriate.

Hanford Facility RCRA Permit Modification Notification Form

Unit:
303-K Storage Facility

Permit Part & Chapter:
Part V, Chapter 14 and Attachment 32

Description of Modification:

Hanford Facility RCRA Permit, V.14.B:

V.14.B. AMENDMENTS TO THE APPROVED CLOSURE PLAN

- V.14.B.a. If closure activities have not begun and/or will not be conducted in accordance with the Plan, including these unit specific Conditions to the Plan, a written notification shall be submitted to Ecology within thirty (30) days after the Plan is approved.
- V.14.B.b. The results of all sampling required by the Plan shall be provided to Ecology. This submittal shall include raw analytical data, a summary of analytical results, a data validation package, and a narrative summary of conclusions.
- V.14.B.c. Ecology shall be provided, for review and approval, a SAP and date of sampling for any sampling event not addressed in the Plan, which provides data used to support the 303-K cleanup activities, at least thirty (30) days prior to initiating actual sampling activities. The results of this sampling shall be submitted to Ecology. These submittals shall include the raw analytical data, a summary of analytical results, a data validation package, and a narrative summary of conclusions.
- V.14.B.d. The Permittee shall notify Ecology, in writing, if action levels cited in Section 6.1 of the Plan are exceeded. The notification shall include a request for Ecology's approval of alternative action levels, or identify interim measures to be taken in the 303-K until closure activities are performed in conjunction with the 300-FF-3 Operable Unit. The interim measures must be approved by Ecology.
- V.14.B.e. The Permittee and the independent, registered, professional engineer's certifications of closure shall be prepared and submitted to Ecology by registered mail within sixty (60) days of closure as described in Section 7.8 of the Plan. The Permittee shall continue to address the 303-K as a dangerous waste management unit until receipt of Ecology's written notification that the 303-K is accepted as clean closed.
- V.14.B.f. Due to lack of federal funding in 1998, the allowed time for closure of 303-K is hereby extended in accordance with WAC 173-303-610(4)(b)(i) and 173-303-815(3). The Permittee shall submit a certification of closure for 303-K no later than November 29, 2001. In addition, the Permittee shall submit to Ecology at least two (2) reports of progress toward completion of closure (i.e., budgeting for building demolition, obtaining sufficient funding, scheduling the physical work). The first report shall be submitted no later than September 30, 1999, and the second shall be submitted no later than September 30, 2000.
- V.14.B.g. Compliance with the approved Sampling and Analysis Plan.
The Permittee shall comply with all the requirements set forth in the "303-K Storage Facility Sampling and Analysis Plan" (as found in Attachment 28) and the "Errata Sheet for the 303-K Storage Facility Sampling and Analysis Plan" (as found in Attachment 39) including the Amendments specified below. All subsections, figures, and tables included in the Sampling and Analysis Plan also are enforceable, unless otherwise stated.
 - V.14.B.g.1. Section 5.1 Cleanup Performance Standards for Soils.
Insert the following after line 25 on page 5: "Using the Ecology publication, Model Toxics Control Act (MTCA) Cleanup Levels and Risk Calculations (CLARC II) Update, February 1996 (Publication #94-145, as updated January 1996), cleanup levels shall be identified for all constituents of concern. In addition, when a MTCA Method B value does not exist for a constituent, the cleanup level shall be obtained from the appropriate Method A table in WAC 173-340."
Delete Table 1 on page 6.
 - V.14.B.g.2. Section 7.4 Support for Ecology during Sampling.
Delete lines 29 through 32 on page 16 ("Split samples of concrete and soil may be collected, if requested, for Ecology. If split samples for Ecology are collected as part of this sampling effort, then the...") and replace with the following: "Split samples of concrete and soil will be collected for Ecology from each sampling location. The..."
 - V.14.B.g.3. Field analytical quality control will include analytical duplicate(s) and verification of the method detection limit. Each field screening analytical duplicate sample will be collected from the same volume of sample material as the original field screening analytical sample. The frequency for these duplicates will be one (1) per twenty (20) samples, or one (1) per day of analysis, whichever is more stringent. The procedure used for the verification of the method detection limit is subject to approval by Ecology.
 - V.14.B.g.4. The laboratory quality control will be performed as described in the respective method, but will include the following: The frequency for analytical quality control will be one (1) in twenty (20) samples, or one (1) per analytical batch, whichever is more stringent, for duplicate and spike (or matrix spike) samples. Samples from this project must be chosen for the duplicate and spike (or matrix spike) samples. At least one (1) method blank, and one (1) quality control check sample, will be performed for each analytical batch.
 - V.14.B.g.5. Samples shall be placed upon ice immediately, or refrigerated to 4+2 degrees Celsius after sampling, and held at that temperature prior to and during shipping to the analytical laboratory.
 - V.14.B.g.6. Loss of any sample due to any cause may require resampling and/or reanalysis, at the discretion of Ecology.
 - V.14.B.g.7. The results of all analyses required by the SAP as revised by these Conditions shall be provided to Ecology as stated in V.14.B.e. In addition to the items listed, these submittals shall include calibration and quality control data. A data evaluation report shall be submitted to Ecology comparing the analytical results to the cleanup levels for the 303-K, derived as described in Condition V.14.B.g.1. For data to be useable for this comparison, the method quantification limit for the constituent must be equal to, or less than, the cleanup level, or the method detection limit must be at least ten (10) times below the cleanup level, and the data package must be complete.
- V.14.B.h. If any analytical result, except for arsenic and beryllium, for any sample location specified in the SAP exceeds the MTCA Method B cleanup level, then characterization of the lateral and vertical extent of the contamination shall be required and Ecology shall pursue corrective action for this TSD unit. If arsenic or beryllium exceed the established Hanford Site-wide Background values, then characterization of the lateral and vertical extent of the contamination shall be required and Ecology shall pursue corrective action for this TSD unit.

Modification Class: ^{1,2,3} Please check one of the Classes:	Class 1	Class 1	Class 2	Class 3
	X			

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

A. General Permit Provisions
1. Administrative and informational changes

S. P. King
9-14-02

Submitted by Co-Operator: <i>D. J. Guin</i>	Reviewed by RL Program Office: <i>D. T. Evans</i>	Reviewed by Ecology: <i>Rudolph Bond</i>	Reviewed by Ecology: <i>L. E. Ruud</i>
Date	Date	Date	Date

¹Class 1 modifications requiring prior Agency approval.

²This is only an advanced notification of an intended Class 1, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.

³If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to 1, if appropriate.

Hanford Facility RCRA Permit Modification Notification Form

Unit:
303-K Storage Facility

Permit Part & Chapter:
Part V, Chapter 14 and Attachment 32

Description of Modification:

Attachment 32, Part A, Form 3, Comment Block:

Closed as of 7/22/2002.

Modification Class: ¹²³	Class 1	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:	X			

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

A. General Permit Provisions

1. Administrative and informational changes

*J. Parry
1-17-02*

Submitted by Co-Operator: <i>L. J. Olguin</i> L. J. Olguin	Reviewed by RL Program Office: <i>D. T. Evans</i> D. T. Evans	Reviewed by Ecology: <i>R. Bond</i> R. Bond	Reviewed by Ecology: <i>L. E. Ruud</i> L. E. Ruud
<i>9/18/02</i> Date	<i>9/23/02</i> Date	<i>11/13/02</i> Date	<i>11/20/02</i> Date

¹Class 1 modifications requiring prior Agency approval.

² This is only an advanced notification of an intended Class ¹1, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.

³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to ¹1, if appropriate.

Hanford Facility RCRA Permit Modification Notification Form

Unit:
303-K Storage Facility

Permit Part & Chapter:
Part V, Chapter 14 and Attachment 32

Description of Modification:

Attachment 32, Part A, Form 3, III.C:

S01

The 303-K Storage Facility (303-K), which began waste management operation in January 1972, was used for the storage of mixed waste in U.S. Department of Transportation-specified containers. Both liquid and solid waste was stored at the 303-K. The liquid waste was stored on a 57-square meter (610-square foot) pad within the building. The building provided secondary containment for the contents of the containers. The solid waste was stored outside the building on a 426-square meter (4,590-square foot) asphalt, concrete, and gravel pad. The storage area was is surrounded by a chain link fence. The 303-K no longer stores mixed waste and ~~will be closed~~ was closed as of July 22, 2002.

The maximum process design capacity for container storage at the 303-K was 41,640 liters (11,000 gallons).

Modification Class: ¹²³ Please check one of the Classes:	Class 1	Class ¹	Class 2	Class 3
	X			

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

A. General Permit Provisions

1. Administrative and informational changes

Submitted by Co-Operator: <i>L. V. Olguin</i> L. V. Olguin	Reviewed by RL Program Office: <i>D. T. Evans</i> D. T. Evans	Reviewed by Ecology: <i>R. Bond</i> R. Bond	Reviewed by Ecology: <i>L. E. Ruud</i> L. E. Ruud
<i>9/18/02</i> Date	<i>9/23/02</i> Date	<i>11/13/02</i> Date	<i>11/20/02</i> Date

*J.P. Perry
9-18-02*

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Hanford Facility RCRA Permit Modification Notification Forms

List of Attachments

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Hanford Facility RCRA Permit Modification Notification Form

Unit: Hanford Facility RCRA Permit		Permit Part & Chapter: List of Attachments			
Description of Modification:					
List of Attachments:					
LIST OF ATTACHMENTS					
The following listed documents are attached in their entirety. However, only those portions of the attachments specified in Parts I through VI are enforceable conditions of this Permit and subject to the permit modification requirements of Condition I.C.3. Changes to portions of the attachments, which are not subject to the permit modification process, shall be addressed in accordance with Conditions I.E.8., I.E.11., I.E.13., I.E.15. through I.E.20., and I.E.22. Ecology has, as deemed necessary, modified specific language in these attachments. These modifications are described in the conditions (Parts I through VI), and thereby supersede the language of the attachment.					
Attachment 1	Hanford Federal Facility Agreement and Consent Order, (as amended)				
Attachment 2	Hanford Facility Legal Description, from Class 1 Modification, dated January 7, 1999				
Attachment 3	Permit Applicability Matrix, (as revised on March 22, 2000)				
Attachment 4	Hanford Emergency Management Plan, DOE/RL-94-02, Revision 2, as amended and approved modifications				
Attachment 5	Purgewater Management Plan, July 1990				
Attachment 6	Hanford Well Maintenance and Inspection Plan, BHI-01265, Revision 0, May 1999				
Attachment 7	Policy on Remediation of Existing Wells and Acceptance Criteria for RCRA and CERCLA, June 1990				
Attachment 8	616 Nonradioactive Dangerous Waste Storage Facility, <u>retired during Revision 6 of the RCRA Permit 616 Nonradioactive Dangerous Waste Storage Facility Part A, Form 3, Revision 7, March 4, 1997, and Part B Permit Application, DOE/RL-89-03, Revision 2, October 1991, and Chapter 11, Closure Plan/Financial Assurance for Closure, DOE/RL-89-03, Revision 2A, May 1999</u>				
Attachment 9	616 Nonradioactive Dangerous Waste Shipping Lists, <u>retired during Revision 6 of the RCRA Permit</u>				
Attachment 11	183-H Solar Evaporation Basins Closure/Post-Closure Plan, <u>retired during Revision 6 of the RCRA Permit DOE/RL-88-04, Revision 3, June 1991 (superseded by Attachment 37)</u>				
Attachment 12	Decommissioning Work Plan <u>Concrete Sampling - 183-H Solar Evaporation Basins, retired during Revision 6 of the RCRA Permit DWP-H-080-00001, Revision A-3, August 1991</u>				
Attachment 13	Decommissioning Work Plan <u>Core Drill Sampling - 183-H Solar Evaporation Basins (Phase I), retired during Revision 6 of the RCRA Permit DWP-H-080-00005, Revision A-1, February 1991</u>				
Attachment 14	183-H Solar Evaporation Basins Vadose Zone Sampling Plan, <u>retired during Revision 6 of the RCRA Permit WHC SD-EN-AP-056, Revision 0, June 1991</u>				
Attachment 15	Decommissioning Work Plan <u>Berm Removal for 183-H Solar Evaporation Basins, retired during Revision 6 of the RCRA Permit DWP-H-026-00008, Revision A-0, January 1991</u>				
Modification Class: ¹²³		Class 1	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:		X			
Relevant WAC 173-303-830, Appendix I Modification:		A.1.			
Enter wording of the modification from WAC 173-303-830, Appendix I citation					
A. General Permit Provisions					
1. Administrative and Informational changes.					
Submitted by Co-Operator:	Reviewed by RL Program Office:	Reviewed by Ecology:	Reviewed by Ecology:		
<i>R. H. Gurske</i> 10/20/02	<i>J. B. Hebdon</i> 10/20/02	<i>R. K. [Signature]</i> 11/20/02	<i>L. E. Ruud</i> 11/20/02		
R. H. Gurske	Date	J. B. Hebdon	Date	Date	Date

¹ Class 1 modifications requiring prior Agency approval.² This is only an advanced notification of an intended Class ¹1, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to ¹1, if appropriate.

Hanford Facility RCRA Permit Modification Notification Form

Unit: Hanford Facility RCRA Permit	Permit Part & Chapter: List of Attachments
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Description of Modification:

List of Attachments:

- Attachment 16 300 Area Solvent Evaporator Closure Plan, retired during Revision 6 of the RCRA Permit DOE/RL-88-08, Revision 3B, September 1992 (Clean Closed, July 31, 1995)
- Attachment 17 2727-S Nonradioactive Dangerous Waste Storage Facility Closure Plan, retired during Revision 6 of the RCRA Permit DOE/RL-88-37, Revision 3, January 1992 (Clean Closed, July 31, 1995)
- Attachment 18 305-B Storage Facility, and approved modifications Part A, Form 3, Revision 1, September 25, 1990, and Part B Permit Application, DOE/RL-90-01, Revision 2, October 1992, and approved modifications
- Attachment 19 Simulated High-Level Waste Slurry TSD Closure Plan, retired during Revision 6 of the RCRA Permit DOE/RL-88-08, Revision 6A, November 1994 (Clean Closed, October 23, 1995)
- Attachment 20 218-E-8 Borrow Pit Demolition Site Closure Plan, retired during Revision 6 of the RCRA Permit DOE/RL-92-53, Revision 1, October 1994 (Clean Closed, November 28, 1995)
- Attachment 21 200 West Ash Pit Demolition Site Closure Plan, retired during Revision 6 of the RCRA Permit DOE/RL-92-54, Revision 1, September 1994 (Clean Closed, November 28, 1995)
- Attachment 22 2101-M Pond Closure Plan, retired during Revision 6 of the RCRA Permit DOE/RL-88-41, Revision 2A, July 1993 (Clean Closed, November 28, 1995)
- Attachment 23 216-B-3 Expansion Ponds Closure Plans, retired during Revision 6 of the RCRA Permit DOE/RL-89-28, Revision 2, October 1994 (Clean Closed, July 31, 1995)
- Attachment 24 Hanford Patrol Academy Demolition Sites Closure Plan, retired during Revision 6 of the RCRA Permit DOE/RL-92-39, Revision 1, December 1994 (Clean Closed, November 28, 1995)
- Attachment 25 105-DR Large Sodium Fire Facility Closure Plan, retired during Revision 6 of the RCRA Permit DOE/RL-90-25, Revision 2, March 1995 (Partial Closure Plan Completed October 1, 1996)
- Attachment 26 304 Concretion Facility Closure Plan, retired during Revision 6 of the RCRA Permit DOE/RL-90-03, Revision 2A, March 1995 (Clean Closed, January 21, 1996)
- Attachment 27 Permit Modification Schedule (as revised on May 18, 1999)
- Attachment 28 PUREX Storage Tunnels, and approved modifications Part A, Form 3, Revision 5, October 1996, and Part B, DOE/RL-90-24, Revision 4, April 1997, and approved modifications
- Attachment 29 4843 Alkali Metal Storage Facility Closure Plan, retired during Revision 6 of the RCRA Permit DOE/RL-90-49, Revision 1, September 1995 (Clean Closed, April 14, 1997)
- Attachment 30 3718-F Alkali Metal Treatment and Storage Facility Closure Plan, retired during Revision 6 of the RCRA Permit DOE/RL-91-35, Revision 2, November 1995 (Clean Closed, August 4, 1998)

Modification Class: ¹²³	Class 1	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:	X			

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

- A. General Permit Provisions
 - 1. Administrative and Informational changes.

Submitted by Co-Operator: <i>R.H. Gurske</i> 10/20/02	Reviewed by RL Program Office: <i>J.B. Hebdon</i> 10/10/02	Reviewed by Ecology: <i>P.H. [Signature]</i> 11/20/02	Reviewed by Ecology: <i>L.E. Ruud</i> 11/20/02
R. H. Gurske Date	J. B. Hebdon Date	Date	L.E. Ruud Date

¹ Class 1 modifications requiring prior Agency approval.

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Hanford Facility RCRA Permit Modification Notification Form

Unit: Hanford Facility RCRA Permit	Permit Part & Chapter: List of Attachments
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Description of Modification:

List of Attachments:

Attachment 31	300 Area Process Trenches, and approved modifications Modified Closure Plan and Part A, Form 3, DOE/RL-93-73, Revision 4, May 1995, and approved modifications
Attachment 32	303-K Storage Facility Closure Plan, <u>retired during Revision 6 of the RCRA Permit, DOE/RL-90-04, Revision 2A, June 1995</u>
Attachment 33	Hanford Facility Dangerous Waste Permit Application General Information Portion, DOE/RL-91-28, Revision <u>5C4, May 1998</u> , and approved modifications
Attachment 34	Liquid Effluent Retention Facility Part A, Form 3, Revision <u>65, October 1996</u> , 200 Area Effluent Treatment Facility Part A, Form 3, Revision <u>32, October 1996</u> , Liquid Effluent Retention Facility and 200 Area Effluent Treatment Facility, Part B Permit Application, DOE/RL-97-03, Revision 0, July 1997, and approved modifications
Attachment 35	242-A Evaporator Part A, Form 3, Revision 7, October 1996 , and Part B Permit Application, DOE/RL-90-42, Revision 1, July 1997, and approved modifications
Attachment 36	325 Hazardous Waste Treatment Units Part A, Form 3, Revision <u>4B4, June 1997</u> , and Part B Permit Application, DOE/RL-92-35, Revision 1, July 1997, and approved modifications
Attachment 37	183-H Solar Evaporation Basins, and approved modifications
Attachment 38	303-K Storage Facility Sampling and Analysis Plan, <u>retired during Revision 6 of the RCRA HNF SD-ENV-AP-005, Revision 0, July 14, 1997</u>
Attachment 39	Errata Sheet for the 303-K Storage Facility Sampling and Analysis Plan, <u>retired during Revision 6 of the RCRA Permit August 1, 1997</u>
Attachment 40	100-D Ponds, <u>retired during Revision 6 of the RCRA Permit Part A, Form 3, Revision 4, June 1994; and Closure Plan, DOE/RL-92-71, Revision 2, March 1998 (Clean Closed, August 9, 1999)</u>
Attachment 41	1325-N and 1301-N Part A, Form 3, Revision 7, February 1997, and DOE/RL-96-39, Revision 0, Appendix A
Attachment 42	1324-N and 1324-NA Part A, Form 3, Revision 3, June 1994 , and DOE/RL-96-39, Revision 0, Appendix B
Attachment 46	300 Area Waste Acid Treatment System, <u>retired during Revision 6 of the RCRA Permit Part A, Form 3, Revision 5, dated October 1, 1996, and Closure Plan, DOE/RL-90-11, Revision 2, dated May 1999</u>
Attachment 47	Corrective Measures Study for the 100-NR-1 and 100-NR-2 Operable Units, DOE/RL-95-111, Revision 0, July 1997
Attachment 48	Engineering Evaluation/Cost Analysis for the 100-N Area Ancillary Facilities and Integration Plan, DOE/RL-97-22, Revision 1, March 1998

Modification Class: ¹²³	Class 1	Class ¹	Class 2	Class 3
Please check one of the Classes:	X			

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

A. General Permit Provisions
1. Administrative and Informational changes.

Submitted by Co-Operator: <i>R. H. Gurske</i> 10/2/02	Reviewed by RL Program Office: <i>J. B. Hebdon</i> 11/2/02	Reviewed by Ecology: <i>F. L. S. Z.</i> 12/10/02	Reviewed by Ecology: <i>L. E. Ruud</i> 12/11/02
R. H. Gurske	J. B. Hebdon	Date	L.E. Ruud

Denied

Att 33 Rev # denied. Work in progress on GIP.

¹ Class 1 modifications requiring prior Agency approval.
² This is only an advanced notification of an intended Class ¹, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.
³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to ¹, if appropriate.

Hanford Facility RCRA Permit Modification Notification Form

Unit:
Hanford Facility RCRA Permit

Permit Part & Chapter:
List of Attachments

Description of Modification:

Hanford Facility RCRA Permit, Part I.H:

I.H DOCUMENTS TO BE MAINTAINED AT FACILITY SITE

The Permittees shall maintain at the Facility, or some other location approved by Ecology, the following documents and amendments, revisions, and modifications to these documents:

1. This Permit and all Attachments;
2. ~~All dangerous waste Part B Permit applications, post-closure Permit applications, and closure plans;~~
and
2. The Facility Operating Record.

All dangerous waste Part B permit applications, post closure permit applications, and closure plan applications are entered in the Administrative Record, maintained at the Hanford Facility. JK 10/2

These documents shall be maintained for ten (10) years after post-closure care or corrective action for the Facility, whichever is later, has been completed and certified as complete.

Modification Class: ¹²³ Please check one of the Classes:	Class 1	Class ¹ 1	Class 2	Class 3
	X			

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

- A. General Permit Provisions
1. Administrative and Informational changes.

Submitted by Co-Operator: <i>R. H. Gurske</i> 10/5/02	Reviewed by RI Program Office: <i>J. B. Hebdon</i> 11/10/02	Reviewed by Ecology: <i>FSD</i> 12/10/02	Reviewed by Ecology: <i>L.E. Ruud</i> 12/19/02
R. H. Gurske Date	J. B. Hebdon Date	Date	L.E. Ruud Date

¹ Class 1 modifications requiring prior Agency approval.

² This is only an advanced notification of an intended Class ¹1, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.

³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to ¹1, if appropriate.

Hanford Facility RCRA Permit Modification Notification Form

Unit: 616 Nonradioactive Dangerous Waste Storage Facility	Permit Part & Chapter: Part III, Chapter 1 and Attachment 8
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Description of Modification:

Hanford Facility RCRA Permit, III.1.A:

CHAPTER 1
616 Nonradioactive Dangerous Waste Storage Facility
Clean Closed 9/5/2001
(Clean Closed, September 5, 2001)

The 616 Nonradioactive Dangerous Waste Storage Facility (NRDWSF) ~~is~~ was an active storage unit for dangerous wastes that are shipped to off-site commercial treatment or disposal facilities.

This Chapter sets forth the closure requirements for this non-active TSD unit was clean closed September 5, 2001, in accordance with the approved Closure Plan contained in Attachment 8, that was retired during Revision 6 of this Permit.

~~III.1.A. COMPLIANCE WITH APPROVED CLOSURE PLAN~~

~~The Permittees shall comply with all the requirements set forth in the 616 NRDWSF Closure Plan, Chapter 11 of the 616 NRDWSF Part B Permit application, found in Attachment 8. Enforceable portions of the application are listed below; all subsections, figures, and tables included in these portions are also enforceable, unless stated otherwise:~~

- ~~Part A, Form 3, Permit Application, Revision 7, March 1997~~
- ~~Section 2.2 Topographic Maps~~
- ~~Chapter 11.0 Closure and Post-Closure Requirements, from Class 3 Modification, for Revision 7~~
- ~~Section 13.8 Other Requirements~~
- ~~Appendix 4B Drawing H 6-1553, Architectural Plan, Elevations and Sections, Rev. 4 and 2 ECNs as amended in Class 1 Modification dated July 1998~~
- ~~Appendix 4B Drawing H 6-1556, Structural Plan and Sections, Revision 4, and six (6) ECNs from Class 1 Modification dated July 1998~~
- ~~Appendix 7A Building Emergency Plan, HNF-IP-0263-616, dated July 1, 1998, as amended in Class 2 Modification for Revision 5~~
- ~~Appendix 8A Training Plan, HNF-1276, Rev. 1, dated May 1998, as amended in Class 2 Modification for Revision 5~~

Modification Class: ¹²³ Please check one of the Classes:	Class 1	Class ¹ 1	Class 2	Class 3
	X			

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

- A. General Permit Provisions
1. Administrative and Informational changes.

Submitted by Co-Operator: <i>R. H. Gurske</i> 10/20/02	Reviewed by RL Program Office: <i>J. B. Hebdon</i> 11/20/02	Reviewed by Ecology: <i>P. [Signature]</i> 12/10/02	Reviewed by Ecology: <i>L. E. Ruud</i> 11/20/02
R. H. Gurske Date	J. B. Hebdon Date	Date	L. E. Ruud Date

¹ Class 1 modifications requiring prior Agency approval.

² This is only an advanced notification of an intended Class ¹1, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.

³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to ¹1, if appropriate.

Hanford Facility RCRA Permit Modification Notification Form

Unit:

616 Nonradioactive Dangerous Waste Storage Facility

Permit Part & Chapter:

Part III, Chapter 1

Description of Modification:

Hanford Facility RCRA Permit, III.1.B:

III.1.B. — AMENDMENTS TO THE APPROVED PERMIT APPLICATION

III.1.B.a. — Reserved

III.1.B.b. — Page 3 16, lines 29 and 30. The following line is added to the end of the paragraph: "The laboratory verification results shall be obtained in accordance with WAC 173-303-110."

III.1.B.c. — Page 2 16, lines 25 and 27. The address "7601 West Clearwater, Suite 102" shall be changed to "1315 West Fourth Avenue" and the telephone number "509-546-2990" shall be changed to "509-735-7581."

III.1.B.d. — First Comment Package requested deletion

III.1.B.e. — Table 7-1, Sections 3.1, 4.0 (first paragraph), 8.2, 8.3, 8.4, 11.0, and 12.0 are added as enforceable portions of Appendix 7A.

III.1.B.f. — Portions of DOE/RL 94-02 that are not made enforceable by inclusion in the applicability matrix for that document, are not made enforceable by reference in this document.

III.1.B.g. — Within thirty (30) days of issuance of this Permit, the Permittees will revise and submit to Ecology, Section 9.5 of Appendix 7A, to more accurately identify the quantity and capacity of spill control equipment available at the unit.

III.1.B.h. — Appendix 7A, add "at 616 NRWSE" to the titles of Sections 9.2, 9.4, and 9.5.

III.1.B.i. — Before any waste is received at the unit, the Permittees will revise and submit to Ecology, Sections 9.2, 9.4, and 9.5 of Appendix 7A, to include emergency equipment needed to identify, measure, monitor, and protect against possible toxic fume hazards described in Section 6.1.5. Upon approval by Ecology, this information shall be incorporated into this Permit as a Class 1 Modification. If necessary, Ecology will amend the requirements through a Class 2 or 3 Modification to the Permit.

III.1.B.j. — Appendix 7A, Figure 1, revise title to read "616 Nonradioactive Dangerous Waste Storage Facility Evacuation Routes."

III.1.B.k. — Appendix 7A, Section 8.2. In the event of a WAC 173-303 emergency, the Owner/Operator must notify Ecology, and appropriate local authorities, that the unit is in compliance with Sections 8.2 and 8.3 of Appendix 7A before operations are resumed in the affected areas.

III.1.B.l. — The Permittee must review and immediately amend the emergency response documentation, if necessary, whenever: (a) Applicable regulations, or the facility Permit, are revised, (b) The plan fails in an emergency, (c) The unit changes (in its design, construction, operation, maintenance, or other circumstances) in a way that materially increases the potential for fires, explosions, or releases of dangerous waste constituents, or in a way that changes the response necessary in an emergency, or (d) The list of emergency equipment changes.

III.1.B.m. — In first comment package asked to be deleted

III.1.B.n. — The approved Waste Analysis Plan (WAP) is compliant for receipt of on-site waste and off-site waste from USDOE owned and operated units (i.e., 712 Building and the Federal Building). The Permittee is not to receive other off-site waste at this unit until the WAP has been revised to include waste acceptance/verification criteria for the receipt of off-site waste.

Modification Class: ¹²³

Please check one of the Classes:

Class 1

Class ¹1

Class 2

Class 3

X

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

A. General Permit Provisions

1. Administrative and Informational changes.

Submitted by Co-Operator: <i>R. H. Gurske</i> 10/20/02	Reviewed by RL Program Office: <i>J. B. Hebdon</i> 11/20/02	Reviewed by Ecology: <i>[Signature]</i> 11/20/02	Reviewed by Ecology: <i>[Signature]</i> 11/20/02
R. H. Gurske	J. B. Hebdon	Date	L.E. Ruud
Date	Date	Date	Date

¹ Class 1 modifications requiring prior Agency approval.

² This is only an advanced notification of an intended Class ¹1, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.

³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to ¹1, if appropriate.

Hanford Facility RCRA Permit Modification Notification Form

Unit:
Hanford Facility RCRA Permit

Permit Part & Chapter:
Part V, Chapter 2

Description of Modification:

Hanford Facility RCRA Permit, V.2:

CHAPTER 2

**300 Area Solvent Evaporator
(Clean Closed, July 31, 1995)**

The 300 Area Solvent Evaporator (300 ASE) unit was operated as an evaporation treatment unit for dangerous wastes. This Chapter sets forth the closure requirements for this TSD unit.

This unit ~~was~~ has been Clean Closed on July 31, 1995, in accordance with the approved Closure Plan contained in Attachment 16, that was retired during Revision 6 of this Permit.

Modification Class: ¹²³	Class 1	Class ¹	Class 2	Class 3
Please check one of the Classes:	X			

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

A. General Permit Provisions

1. Administrative and Informational changes.

Submitted by Co-Operator: <i>R. H. Gurske</i>	Reviewed by RL Program Office: <i>J. B. Hebdon</i>	Reviewed by Ecology: <i>F. E. D. 2</i>	Reviewed by Ecology: <i>L. E. Ruud</i>
R. H. Gurske	J. B. Hebdon		L. E. Ruud
Date	Date	Date	Date

¹ Class 1 modifications requiring prior Agency approval.

² This is only an advanced notification of an intended Class ¹, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.

³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to ¹, if appropriate.

Hanford Facility RCRA Permit Modification Notification Form

Unit:
Hanford Facility RCRA Permit

Permit Part & Chapter:
Part V, Chapter 3

Description of Modification:

Hanford Facility RCRA Permit, Part V.3:

CHAPTER 3

**2727-S Nonradioactive Dangerous Waste Storage Facility
(Clean Closed, July 31, 1995)**

The 2727-S NRDWSF unit was operated as a storage unit for dangerous wastes. This Chapter sets forth the closure requirements for this TSD unit.

This unit ~~was~~ has been Clean Closed on July 31, 1995, in accordance with the approved Closure Plan contained in Attachment 17, that was retired during Revision 6 of this Permit.

Modification Class: ¹²³	Class 1	Class ¹	Class 2	Class 3
Please check one of the Classes:	X			

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

A. General Permit Provisions

1. Administrative and Informational changes.

Submitted by Co-Operator: <i>R. H. Gurske</i> 10/20/02	Reviewed by RI Program Office: <i>J. B. Hebdon</i> 10/16/02	Reviewed by Ecology: <i>R. H. Gurske</i> 11/20/02	Reviewed by Ecology: <i>L. E. Ruud</i> 11/20/02
R. H. Gurske	J. B. Hebdon	Date	L.E. Ruud
Date	Date	Date	Date

¹ Class 1 modifications requiring prior Agency approval.

² This is only an advanced notification of an intended Class ¹, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.

³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to ¹, if appropriate.

Hanford Facility RCRA Permit Modification Notification Form					
Unit: Hanford Facility RCRA Permit		Permit Part & Chapter: Part V, Chapter 4			
<p><u>Description of Modification:</u> Hanford Facility RCRA Permit, Part V.4:</p> <p style="text-align: center;">CHAPTER 4</p> <p style="text-align: center;">Simulated High Level Waste Slurry Treatment and Storage Unit (Clean Closed, October 23, 1995)</p> <p>The Simulated High Level Waste Slurry (SHLWS) unit was operated as a TSD unit for simulated slurry as a test operation in connection with the grout project. This Chapter sets forth the closure requirements for this TSD unit. This unit was <u>has been</u> Clean Closed on October 23, 1995, in accordance with the approved Closure Plan contained in Attachment 19, <u>that was retired during Revision 6</u> of this Permit.</p>					
Modification Class: ¹²³		Class 1	Class ¹	Class 2	Class 3
Please check one of the Classes:		X			
Relevant WAC 173-303-830, Appendix I Modification:		A.1.			
<u>Enter wording of the modification from WAC 173-303-830, Appendix I citation</u>					
A. General Permit Provisions					
1. Administrative and Informational changes.					
Submitted by Co-Operator:	Reviewed by RL Program Office:	Reviewed by Ecology:	Reviewed by Ecology:		
<i>R. H. Gurske</i> 10/20/02	<i>J. B. Hebdon</i> 10/10/02	<i>P. Z. D.</i> 11/10/02	<i>L. E. Ruud</i> 11/20/02		
R. H. Gurske Date	J. B. Hebdon Date	Date	L.E. Ruud Date		

¹ Class 1 modifications requiring prior Agency approval.

² This is only an advanced notification of an intended Class ¹, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.

³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to ¹, if appropriate.

Hanford Facility RCRA Permit Modification Notification Form

Unit: Hanford Facility RCRA Permit	Permit Part & Chapter: Part V, Chapter 5
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Description of Modification:

Hanford Facility RCRA Permit, Part V.5:

CHAPTER 5

**218-E-8 Borrow Pit Demolition Site
(Clean Closed, November 28, 1995)**

The 218-E-8 Borrow Pit Demolition Site (218 BPDS) unit was operated as an open burning/open detonation unit for dangerous wastes. This Chapter sets forth the closure requirements for this TSD unit.

This unit ~~was~~ has been Clean Closed on November 28, 1995, in accordance with the approved Closure Plan contained in Attachment 20, ~~that was retired during Revision 6~~ of this Permit.

Modification Class: ¹²³ Please check one of the Classes:	Class 1	Class ¹ 1	Class 2	Class 3
	X			

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

A. General Permit Provisions

1. Administrative and Informational changes.

Submitted by Co-Operator: <i>R. H. Gurske</i>	Reviewed by RL Program Office: <i>J. B. Hebdon</i>	Reviewed by Ecology: <i>PEE</i>	Reviewed by Ecology: <i>ALD</i>
R. H. Gurske	J. B. Hebdon	Date	L.E. Ruud
Date	Date	Date	Date

¹ Class 1 modifications requiring prior Agency approval.

² This is only an advanced notification of an intended Class ¹1, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.

³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to ¹1, if appropriate.

Hanford Facility RCRA Permit Modification Notification Form

Unit:
Hanford Facility RCRA Permit

Permit Part & Chapter:
Part V, Chapter 6

Description of Modification:

Hanford Facility RCRA Permit, Part V.6

CHAPTER 6

**200 West Area Ash Pit Demolition Site
 (Clean Closed, November 28, 1995)**

The 200 West Area Ash Pit Demolition Site (200 APDS) unit was operated as an open burning/open detonation unit for dangerous wastes. This Chapter sets forth the closure requirements for this TSD unit.

This unit ~~was~~ Clean Closed on November 28, 1995, in accordance with the approved Closure Plan contained in Attachment 21, that was retired during Revision 6 of this Permit

Modification Class: ¹²³

Please check one of the Classes:

Class 1	Class ¹ 1	Class 2	Class 3
X			

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

A. General Permit Provisions

1. Administrative and Informational changes.

Submitted by Co-Operator:	Reviewed by RL Program Office:	Reviewed by Ecology:	Reviewed by Ecology:
<i>R. H. Gurske</i> 10/30/02	<i>J. B. Hebdon</i> 11/14/02	<i>[Signature]</i> 12/10/02	<i>[Signature]</i> 11/20/02
R. H. Gurske Date	J. B. Hebdon Date	Date	L.E. Ruud Date

¹ Class 1 modifications requiring prior Agency approval.

² This is only an advanced notification of an intended Class ¹1, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.

³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to ¹1, if appropriate.

Hanford Facility RCRA Permit Modification Notification Form

Unit: Hanford Facility RCRA Permit	Permit Part & Chapter: Part V, Chapter 7
--	--

Description of Modification:

Hanford Facility RCRA Permit, Part V.7:

CHAPTER 7**2101-M Pond****(Clean Closed, November 28, 1995)**

The 2101-M Pond unit was operated as a disposal unit for potentially dangerous waste. This chapter sets forth closure requirements for this TSD unit.

This unit ~~was has been~~ Clean Closed on November 28, 1995, in accordance with the approved Closure Plan contained in Attachment 22, that was retired during Revision 6 of this Permit.

Modification Class: ¹²³ Please check one of the Classes:	Class 1	Class ¹ 1	Class 2	Class 3
	X			

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

A. General Permit Provisions

1. Administrative and Informational changes.

Submitted by Co-Operator: <i>R. H. Gurske</i> 10/02	Reviewed by RL Program Office: <i>J. B. Hebdon</i> 11/02	Reviewed by Ecology: <i>R. E. Ruud</i> 11/20/02	Reviewed by Ecology: <i>L. E. Ruud</i> 11/20/02
R. H. Gurske Date	J. B. Hebdon Date	R. E. Ruud Date	L. E. Ruud Date

¹ Class 1 modifications requiring prior Agency approval.² This is only an advanced notification of an intended Class ¹1, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to ¹1, if appropriate.

Hanford Facility RCRA Permit Modification Notification Form

Unit:
Hanford Facility RCRA Permit

Permit Part & Chapter:
Part V, Chapter 8

Description of Modification:

Hanford Facility RCRA Permit, Part V.8:

CHAPTER 8
216-B-3 Expansion Ponds
(Clean Closed, July 31, 1995)

The 216-B-3 Expansion Ponds unit was operated as a treatment and disposal unit for dangerous waste. This chapter sets forth the closure requirements for this TSD unit.

This unit ~~was~~ Clean Closed on July 31, 1995, in accordance with the approved Closure Plan contained in Attachment 23, that was retired during Revision 6 of this Permit.

Modification Class: ¹²³ Please check one of the Classes:	Class 1	Class ¹ 1	Class 2	Class 3
	X			

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

- A. General Permit Provisions
 1. Administrative and Informational changes.

Submitted by Co-Operator: R. H. Gurske Date: 10/02/02	Reviewed by RI Program Office: J. B. Hebdon Date: 10/16/02	Reviewed by Ecology: [Signature] Date: 11/20/02	Reviewed by Ecology: L.E. Ruud Date: 11/20/02
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¹ Class 1 modifications requiring prior Agency approval.

² This is only an advanced notification of an intended Class ¹1, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.

³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to ¹1, if appropriate.

Hanford Facility RCRA Permit Modification Notification Form

Unit:
Hanford Facility RCRA Permit

Permit Part & Chapter:
Part V, Chapter 9

Description of Modification:

Hanford Facility RCRA Permit, Part V.9:

CHAPTER 9

**Hanford Patrol Academy Demolition Site
(Clean Closed, November 28, 1995)**

The Hanford Patrol Academy Demolition Site (HPADS) unit was operated as an open burning/open detonation unit for dangerous waste. This Chapter sets forth the closure requirements for this TSD unit.

This unit ~~was~~ has been Clean Closed on November 28, 1995, in accordance with the approved Closure Plan contained in Attachment 24, that was retired during Revision 6 of this Permit.

Modification Class: ¹²³ Please check one of the Classes:	Class 1	Class ¹	Class 2	Class 3
	X			

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

- A. General Permit Provisions
 - 1. Administrative and Informational changes.

Submitted by Co-Operator: <i>R. Gurske</i> 10/20/02	Reviewed by RL Program Office: <i>J. B. Hebdon</i> 11/10/02	Reviewed by Ecology: <i>R. E. Ruud</i> 11/21/02	Reviewed by Ecology: <i>L. E. Ruud</i> 11/21/02
R. H. Gurske Date	J. B. Hebdon Date	Date	L.E. Ruud Date

¹ Class 1 modifications requiring prior Agency approval.

² This is only an advanced notification of an intended Class ¹, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.

³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to ¹, if appropriate.

Hanford Facility RCRA Permit Modification Notification Form

Unit:
Hanford Facility RCRA Permit

Permit Part & Chapter:
Part V, Chapter 10

Description of Modification:

Hanford Facility RCRA Permit, Part V.10:

CHAPTER 10
105-DR Large Sodium Fire Facility
(Partial Closure Plan Completed, October 1, 1996)

The Large Sodium Fire Facility (LSFF) was a research laboratory used to conduct experiments for studying the behavior of alkali metals. This facility was also used for the treatment of alkali metal dangerous wastes.

This unit completed the closure plan on October 1, 1996, in accordance with the approved Closure Plan contained in Attachment 25, that was retired during Revision 6 of this Permit.

Modification Class: ¹²³ Please check one of the Classes:	Class 1	Class ¹ 1	Class 2	Class 3
	X			

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

A. General Permit Provisions

1. Administrative and Informational changes.

Submitted by Co-Operator: <i>R. H. Gurske</i> 10/1/02	Reviewed by RL Program Office: <i>J. B. Hebdon</i> 11/10/02	Reviewed by Ecology: <i>R. J. ...</i> 12/10/02	Reviewed by Ecology: <i>L. E. Ruud</i> 11/20/02
R. H. Gurske Date	J. B. Hebdon Date	Date	L.E. Ruud Date

¹ Class 1 modifications requiring prior Agency approval.

² This is only an advanced notification of an intended Class ¹1, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.

³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to ¹1, if appropriate.

Hanford Facility RCRA Permit Modification Notification Form

Unit:
Hanford Facility RCRA Permit

Permit Part & Chapter:
Part V, Chapter 11

Description of Modification:

Hanford Facility RCRA Permit, Part V.11:

CHAPTER 11
304 Concretion Facility
(Clean Closed, January 21, 1996)

The 304 Concretion Facility (304 Facility) was used for the treatment of dangerous wastes produced during the fuel fabrication process. These wastes consist of beryllium/Zircalloy-2 chips and Zircalloy-2 chips and fines.

This Unit ~~was~~ has been Clean Closed on January 21, 1996, in accordance with the approved Closure Plan contained in Attachment 26, that was retired during Revision 6 of this Permit.

Modification Class: ¹²³ Please check one of the Classes:	Class 1	Class ¹ 1	Class 2	Class 3
	X			

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

- A. General Permit Provisions
 1. Administrative and Informational changes.

Submitted by Co-Operator: <i>R. Gurske</i> R. H. Gurske	Date: 10/20/02	Reviewed by RL Program Office: <i>J. B. Hebdon</i> J. B. Hebdon	Date: 10/20/02	Reviewed by Ecology: <i>P. G. [Signature]</i> P. G. [Signature]	Date: 11/20/02	Reviewed by Ecology: <i>L. E. Ruud</i> L. E. Ruud	Date: 11/20/02
---	-------------------	---	-------------------	---	-------------------	---	-------------------

¹ Class 1 modifications requiring prior Agency approval.

² This is only an advanced notification of an intended Class ¹1, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.

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Hanford Facility RCRA Permit Modification Notification Form

Unit:
Hanford Facility RCRA Permit

Permit Part & Chapter:
Part V, Chapter 12

Description of Modification:

Hanford Facility RCRA Permit, Part V.12:

CHAPTER 12

**4843 Alkali Metal Storage Facility Closure Plan
(Clean Closed, April 14, 1997)**

The 4843 Alkali Metal Storage Facility (4843 AMSF) is an inactive storage facility which is currently undergoing permanent closure activities. This TSD unit was operated as a storage unit for dangerous waste and alkali metals.

This unit ~~was~~ has been clean closed on April 14, 1997, in accordance with the approved closure plan contained in Attachment 29, that was retired during Revision 6 of this Permit.

Modification Class: ¹²³ Please check one of the Classes:	Class 1	Class ¹ 1	Class 2	Class 3
	X			

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

A. General Permit Provisions

1. Administrative and Informational changes.

Submitted by Co-Operator: <i>R. H. Gurske</i> 10/30/02	Reviewed by RL Program Office: <i>J. B. Hebdon</i> 10/14/02	Reviewed by Ecology: <i>[Signature]</i> 12/1/02	Reviewed by Ecology: <i>[Signature]</i> 11/20/02
R. H. Gurske Date	J. B. Hebdon Date	Date	L.E. Ruud Date

¹ Class 1 modifications requiring prior Agency approval.

² This is only an advanced notification of an intended Class ¹1, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.

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Hanford Facility RCRA Permit Modification Notification Form

Unit:
Hanford Facility RCRA Permit

Permit Part & Chapter:
Part V, Chapter 13

Description of Modification:

Hanford Facility RCRA Permit, Part V.13:

CHAPTER 13

**3718-F Alkali Metal Treatment and Storage Facility Closure Plan
(Clean Closed, August 4, 1998)**

The 3718-F Alkali Metal Treatment and Storage Facility was operated to treat and store alkali metal waste from the Fast Flux Test Facility, and from various laboratories that used alkali metals for experiments. Contaminated equipment was treated using water, methanol, isopropyl alcohol, or 2-butoxy ethanol. Bulk waste was treated by burning to eliminate the ignitability and reactive characteristics. After the burn treatment, the waste was neutralized with acid to a pH between 2 and 12.5.

This unit ~~was~~ Clean Closed on August 4, 1998, in accordance with the approved Closure Plan contained in Attachment 30, that was retired during Revision 6 of this Permit.

Modification Class: ¹²³	Class 1	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:	X			

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

A. General Permit Provisions

1. Administrative and Informational changes.

Submitted by Co-Operator:	Reviewed by M. Program Office:	Reviewed by Ecology:	Reviewed by Ecology:
<i>R. H. Gurske</i> 10/20/02	<i>J. B. Hebdon</i> 10/10/02	<i>[Signature]</i> 12/10/02	<i>[Signature]</i> 11/20/02
R. H. Gurske Date	J. B. Hebdon Date	Date	L.E. Ruud Date

¹ Class 1 modifications requiring prior Agency approval.

² This is only an advanced notification of an intended Class ¹1, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.

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Hanford Facility RCRA Permit Modification Notification Form

Unit:
Hanford Facility RCRA Permit

Permit Part & Chapter:
Part V, Chapter 15

Description of Modification:

Hanford Facility RCRA Permit, Part V.15:

CHAPTER 15
100 D Ponds
(Clean Closed, August 9, 1999)

The 100 D Ponds was operated as a liquid effluent disposal site for dangerous wastes. This unit ~~was~~ has been Clean Closed on August 9, 1999, in accordance with the approved Clean Closure Plan contained in Attachment 40, that was retired during Revision 6 of this Permit.

Modification Class: ¹²³

Please check one of the Classes:

Class 1

Class ¹1

Class 2

Class 3

X

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

A. General Permit Provisions

1. Administrative and Informational changes.

Submitted by Co-Operator:	Reviewed by RL Program Office:	Reviewed by Ecology:	Reviewed by Ecology:
R. H. Gurske 10/10/02	J. B. Hebdon 10/10/02	[Signature] 11/19/02	L. E. Ruud 11/20/02
R. H. Gurske	J. B. Hebdon		L. E. Ruud
Date	Date	Date	Date

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Hanford Facility RCRA Permit Modification Notification Form

Unit:
Hanford Facility RCRA Permit

Permit Part & Chapter:
Part V, Chapter 20

Description of Modification:

Hanford Facility RCRA Permit, Part V.20:

CHAPTER 20

300 Area Waste Acid Treatment System

(Partial Closure Plan Completed, December 3, 2001)

The 300 Area Waste Acid Treatment System (300 WATS) was a tank system that was used to treat and store nonrecoverable uranium-bearing waste acid from reactor fuel fabrication operations. Waste acid neutralization occurred in portions of what now is the 300 Area WATS before operation of the system as a *Resource Conservation and Recovery Act (RCRA) of 1976* unit. This Closure Plan details closure of RCRA components and areas, and of contamination resulting from RCRA operations. This unit consists of portions of four (4) buildings and two (2) tank farms: 334-A Building, 313 Building, 303-F Building, 333 Building, 334 (tank 4), and 311 Tank Farms (tanks 40 and 50).

This unit was Clean Closed on August 9, 1999, in accordance with the approved Closure Plan contained in Attachment 46, that was retired during Revision 6 of this Permit. Clean closure ~~has been~~ was given for structures above the ground using the visually verifiable clean debris rule and table in the *Ecology Guidance for Clean Closure of Dangerous Waste Facilities Publication #94-111* (August, 1994). Transition of WATS from EM-60 to EM-40 will be done to complete disposition of "unclosed" soils beneath the units to be cleaned in conjunction with the 300-FF-2 CERCLA OU remedial action and to complete WATS RCRA closure.

~~This unit is undergoing modified closure to the performance standards of the Dangerous Waste Regulations, Washington Administrative Code (WAC) 173-303-610, 173-303-640, and Permit Condition H.K with respect to all dangerous waste, materials, and media (i.e., soil) contaminated from RCRA operations of the WATS unit.~~

~~V.20.A. COMPLIANCE WITH APPROVED MODIFIED CLOSURE PLAN~~

~~The Permittees shall comply with all requirements set forth in Attachment 46, including Appendix 6A, Phased Closure Documentation (Phase 1 and 2) and Addendum (Phase 3). Enforceable portions of the plan are listed below; all subsections, figures, and tables included in these portions are also enforceable, unless otherwise stated. The Permittees shall also comply with all the requirements in the 300-FF-2 Record of Decision, Part A, Form 3, Permit Application, from Class 1 Modification for quarter ending March 31, 2002, Revision 5, October 1, 1996~~

- ~~Chapter 2.0 Facility Description~~
- ~~Chapter 6.0 Closure Strategy and Performance Standards~~
- ~~Chapter 7.0 Closure Activities~~
- ~~Chapter 8.0 Post-closure~~
- ~~Appendix 6A Phased Closure Documentation~~
- ~~Addendum to 6A Phase 3 Closure Documentation (INF 2814)~~

~~V.20.B AMENDMENTS TO THE APPROVED CLOSURE PLAN~~

~~V.20.B.a Phases one (1), two (2), and three (3), Decontamination and Inspection Plans shall be added in their entirety to the approved Closure Plan (DOE/RL 90-11, Revision 2, dated May 1999)~~

~~V.20.B.b The Permittee will review the modified closure option in five (5) years (January 2006). The purpose of the review will be to determine if this TSD can be clean closed.~~

~~V.20.B.c 300-FF-2 CERCLA OU Record of Decision. The Permittees shall comply with the above referenced document, which details the final status for complete disposition of "unclosed" soils beneath the units to be cleaned in conjunction with the 300-FF-2 OU remedial action and to complete WATS RCRA closure.~~

Modification Class: ¹²³

Class 1	Class ¹ 1	Class 2	Class 3
X			

Please check one of the Classes:

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

A. General Permit Provisions

1. Administrative and Informational changes.

Submitted by Co-Operator: <i>R. H. Gurske</i> 10/30/02	Reviewed by RL Program Office: <i>J. B. Hebdon</i> 10/30/02	Reviewed by Ecology: <i>F. J. [Signature]</i> 11/29/02	Reviewed by Ecology: <i>L. E. Ruud</i> 11/29/02
R. H. Gurske Date	J. B. Hebdon Date	Date	L. E. Ruud Date

¹ Class 1 modifications requiring prior Agency approval.

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**Hanford Facility RCRA Permit Modification Notification Forms
Part III, Chapter 2 and Attachment 18
305-B Storage Facility**

Page 1 of 17

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Hanford Facility RCRA Permit Modification Notification Form

Unit
305-B Storage Facility

Permit Part & Chapter:
Part III, Chapter 2 and Attachment 18

Description of Modification:

Hanford Facility RCRA Permit, Condition III.2.A:

III.2.A. COMPLIANCE WITH APPROVED PERMIT APPLICATION

The Permittees shall comply with all the requirements set forth in Attachment 18, including all Class 1 Modifications specified below, and the Amendments specified in Condition III.2.B. Enforceable portions of the permit application have been incorporated in Attachment 18 and are identified as follows: ~~are listed below;~~ All subsections, figures, and tables included in these portions are also enforceable, unless stated otherwise:

ATTACHMENT 18:

- ~~Chapter 1.0 Part A, Form 3, Permit Application, Revision 1C, from Class 1 Modification for quarter ending September 30, 2002~~ December 31, 2001
- ~~Chapter 2.0 Unit Description, from Class 1 modification for quarter ending September 30, 2002~~
- ~~Section 2.1.2 The 305-B Storage Unit, from Class 1 Modification for quarter ending March 31, 2001~~
- ~~Section 2.2.1 General Requirement, from Class 1 Mod for quarter ending March 31, 2001~~
- ~~Section 2.5 Performance Standard, from Class 1 Modification for quarter ending March 31, 2001~~
- ~~Section 2.6 Buffer Monitoring Zones, from Class 1 Modification for quarter ending March 31, 2001~~
- ~~Section 2.8 Manifest System, from Class 1 Modification for quarter ending March 31, 2001~~
- ~~Chapter 3.0 Waste Analysis Plan Characteristics, from Class 1 Modification for quarter ending September 30, 2002~~ March 31, 2003
- ~~Chapter 4.0 Process Information, from Class 1 Modification for quarter ending September 30, 2002~~ March 31, 2003
- ~~Chapter 6.0 Procedures to Prevent Hazards, from Class 1 Modification for quarter ending September 30, 2002~~ March 31, 2003
- ~~Chapter 7.0 Building Emergency Procedure, from Class 1 Modification for quarter ending September 30, 2002~~ June 30, 2003
- ~~Appendix 7A Building Emergency Plan for the 305-B Storage Facility, from Class 2 Modification dated June 30, 2000~~
- ~~Chapter 8.0 Personnel Training, from Class 1 Modification for quarter ending September 30, 2002~~ September 30, 2001
- ~~Chapter 11.0 Closure and Post-Closure Requirements, from Class 1 Modification for quarter ending September 30, 2002~~ September 30, 2000
- ~~Chapter 12.0 Reporting and Recordkeeping, from Class 1 Modification for quarter ending September 30, 2002~~ June 30, 1999
- ~~Chapter 13.0 Other Relevant Laws, from Class 1 Modification for quarter ending September 30, 2002~~
- ~~Section 13.8 Toxic Substances Control Act, from Class 1 Modification for quarter ending September 30, 2000~~
- ~~Section 13.9 Other Requirements, from Class 1 Modification for quarter ending September 30, 2000~~
- ~~Appendix 2A Hanford Site and 300-Area Topographic Maps, Plates 2-2 Through 2-9, from Class 1 Modification for quarter ending September 30, 2001~~

Modification Class: ¹²³	Class 1	Class ¹	Class 2	Class 3
Please check one of the Classes:	X			

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

A. General Permit Provisions

1. Administrative and Informational changes

Submitted by Co-Operator: <i>A.K. Ikenberry</i> A.K. Ikenberry	Reviewed by RL Program Office: <i>R.F. Christensen</i> R.F. Christensen	Reviewed by Ecology: <i>F. Jamison</i> F. Jamison	Reviewed by Ecology: <i>L.E. Ruud</i> L.E. Ruud
<i>9/14/02</i> Date	<i>9/20/02</i> Date	<i>11/5/02</i> Date	<i>11/20/02</i> Date

¹ Class 1 modifications requiring prior Agency approval.

² This is only an advanced notification of an intended Class ¹, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.

³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to ¹1, if appropriate.

Hanford Facility RCRA Permit Modification Notification Form

Unit:
305-B Storage Facility

Permit Part & Chapter:
Part III, Chapter 2 and Attachment 18

Description of Modification:

Chapters 2.0, 3.0, and 4.0:

In the following sections "procedure" was replaced with "activity":

- Section 2.5.3.1
- Section 3.2.2, paragraph 12
- Section 4.1.1.2, paragraphs 1 and 2

In the following sections "procedure" was replaced with "process":

- Section 3.2
- Section 3.2.2

In the following sections "procedure" was replaced with "will":

- Section 3.4.3, paragraph 3

In the following sections "procedure" was replaced with "methods":

- Section 3.4.3, paragraph 1

In the following sections "procedure" was replaced with "manuals":

- Section 4.1.1.2, paragraph 4

In the following sections "procedure" was replaced with "guidelines":

- Section 4.3.2, paragraph 1 and 3

Modification Class: ¹²³	Class 1	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:	X			

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

A. General Permit Provisions

1. Administrative and Informational changes

Submitted by Co-Operator:	Reviewed by RL Program Office:	Reviewed by Ecology:	Reviewed by Ecology:
<i>A.K. Ikenberry</i> 9-13/02	<i>R.F. Christensen</i> 9/20/02	<i>F. Jamison</i> 11/5/02	<i>L.E. Ruud</i> 11/20/02
A.K. Ikenberry Date	R.F. Christensen Date	F. Jamison Date	L.E. Ruud Date

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Hanford Facility RCRA Permit Modification Notification Form

Unit:
305-B Storage Facility

Permit Part & Chapter:
Part III, Chapter 2 and Attachment 18

Description of Modification:

Chapter 2.0, Section 2.1:

2.1 THE 305-B STORAGE FACILITY

The 305-B Storage Facility is a dangerous waste and RMW storage unit owned and operated by DOE and co-operated by PNNL. The unit is used for the collection, consolidation, packaging, storage, and preparation for transport and disposal of both dangerous waste and RMW. It is an integral part of the Hanford Site's waste management system.

The 305-B Storage Facility is a one-story frame and masonry building with basement constructed in the early 1950s, with an attached two-story-high metal and concrete building constructed in January 1978, referred to in this document as the "high bay." The unit is located within the 300 Area, as shown in Figure 2-1, and was formerly used for engineering research and development. Unit upgrades were completed in 1983 to meet requirements for storage of dangerous waste and RMW. Waste storage under interim status began in March 1989.

A variety of small volume chemical wastes are generated by PNNL's research laboratory activities under contract to DOE. These wastes are brought to the 305-B Storage Facility and segregated by compatibility for storage in the unit until enough waste is accumulated to fill a labpack or bulking container, usually a 30- to 55-gallon drum. When a sufficient number of shipping containers of waste have accumulated, they are manifested for shipment, generally to permitted off-site recycling, treatment or disposal facilities.

Dangerous wastes are stored in the high bay. The high bay has been equipped with a secondary containment system to facilitate storage of containerized wastes. In addition, four storage "cells" have been constructed within the high bay area for segregated storage of incompatible waste streams. Each of the cells is approximately 14' x 14', enclosed by 4' high concrete block walls; each cell has its own separate secondary containment system. Drum-quantity storage for incompatible wastes has also been provided in separate areas of the high bay.

Radioactive mixed waste (RMW) is stored in the basement of the original wing of the building in an area approximately 18' x 32'. The RMW area is also equipped with a secondary containment berm to prevent migration of spilled wastes. Flammable RMW cannot be stored below grade (per Uniform Fire Code) and is stored in an independent area on the first floor of the original wing in individual secondary containment structures.

The 305-B Storage Facility is equipped with a heating, ventilation and air conditioning (HVAC) system to provide relatively constant temperatures during storage of dangerous wastes. The first floor of the older building and the high bay are served by a dual-compressor heat pump system for both heating and air conditioning. The basement area is served by a separate electric heating and evaporative cooling combined system. These systems are adequate to maintain interior temperatures in the range of 50-85°F during normal ambient temperatures of 10-110°F.

In addition, the unit utilizes a local exhaust system for "bulking" as described in Attachment 18, Chapter 4.0, Section 4.1.1.2. This system is located in the flammable liquid bulking module. Local exhaust of 3300 CFM is provided during bulking operations. Another, smaller ventilation system, referred to as the "elephant trunk ventilation system," is located in the high bay storage cell areas for occasional bulking of solids or nonflammable liquids not requiring use of the flammable liquid bulking module. This system has a ventilation capacity of 1550 CFM. A smaller, laboratory-style fume hood has also been installed on the south wall of the high bay for compatibility testing and small-volume waste work.

A simplified building layout is shown in Figure 2-2. Individual storage cells are described in Attachment 18, Chapter 4.0, Section 4.1.

Modification Class: ¹²³

Please check one of the Classes:

Class 1

Class¹1

Class 2

Class 3

X

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

A. General Permit Provisions

1. Administrative and Informational changes

Submitted by Co-Operator:	Reviewed by RL Program Office:	Reviewed by Ecology:	Reviewed by Ecology:
<i>A.K. Ikenberry</i> 9-10-02	<i>R.F. Christensen</i> 9/20/02	<i>F. Jamison</i> 11/15/02	<i>L.E. Ruud</i> 11/20/02
A.K. Ikenberry	R.F. Christensen	F. Jamison	L.E. Ruud
Date	Date	Date	Date

¹ Class 1 modifications requiring prior Agency approval.

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Hanford Facility RCRA Permit Modification Notification Form

Unit:
305-B Storage Facility

Permit Part & Chapter:
Part III, Chapter 2 and Attachment 18

Description of Modification:

Chapter 2.0, Section 2.5.1:

2.5.1 Procedures for Receiving Shipments

The 305-B operations staff arranges all shipment into the 305-B Storage Facility. Once approval has been reached through the waste operations staff, transportation will be arranged or coordinated by waste operations.

If transport will be over public roadways or highways, a Uniform Hazardous Waste Manifest will be prepared. The shipment will be compared to the manifest upon arrival at the 305-B Storage Facility. If any discrepancies are noted refer to Section 2.5.2. If the shipment is accepted the manifest will be signed, drums counted, and placed into a proper storage location within the facility. The shipment will then be entered in the electronic database noting the date of receipt and storage location. If generated from a non-PNNL facility, a copy of the manifest will be returned to the generating facility within 30-days of receipt at the 305-B Storage Facility. All PNNL copies of the manifest will be kept in the operating record at the 305-B Storage Facility.

The following are procedures used prior to transport of wastes to the 305-B Storage Facility. First, the generator must submit a Chemical Disposal/Recycle Request form to the Waste Management Section. An example of a Chemical Disposal/Recycle Request form is shown in Figure 2-5. This request form is then reviewed and either approved or rejected. Typical causes of rejection include missing or insufficient information in any of the data fields, or lack of specific information on waste composition. Waste information required to treat, store, or dispose of the waste is noted in Figure 2-5. Upon approval, the Waste Management Section reviews the form to determine the dangerous waste designation, waste compatibility class for storage, and containerization and labeling requirements.

The waste is then inspected at the generating unit by the Waste Management Section to verify the information contained on the request form, such as number, sizes, and types of containers, location of waste, etc., and to check for proper containerization of waste. If discrepancies are noted during the inspection, the waste will not be picked up by the Waste Management Section. Typical discrepancies include waste not as described on request form or lack of supporting data to verify waste characteristics. In such cases, deficiencies will be explained to the generating unit responsible person, who will then be responsible for correcting them.

If the waste is found to be acceptable for transport, Waste Management staff will check to ensure required labels are in place, and transport (or arrange for transport of) the waste to 305-B Storage Facility. If transport will be over public roadways or highways, a Uniform Hazardous Waste Manifest will be prepared identifying PNNL as the transporter and 305-B Storage Facility as the receiving TSD unit. A copy of all such manifests is returned to the generating unit within 30 days of receipt at 305-B Storage Facility. A copy of the manifest is also retained at 305-B Storage Facility.

Please check one of the Classes:	Class 1	Class ¹ 1	Class 2	Class 3
	X			

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

B. General Permit Provisions

1. Administrative and Informational changes

Submitted by Co-Operator: <i>A.K. Ikenberry</i> A.K. Ikenberry	Reviewed by RL Program Office: <i>R.F. Christensen</i> R.F. Christensen	Reviewed by Ecology: <i>F. Jamison</i> F. Jamison	Reviewed by Ecology: <i>L.E. Ruud</i> L.E. Ruud
9/17/02 Date	9/20/02 Date	11/5/02 Date	11/20/02 Date

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Hanford Facility RCRA Permit Modification Notification Form

Unit:
305-B Storage Facility

Permit Part & Chapter:
Part III, Chapter 2 and Attachment 18

Description of Modification:

Chapter 3.0, Section 3.1:

3.1 CHEMICAL, BIOLOGICAL, AND PHYSICAL ANALYSIS [C-1]

The dangerous waste and RMW stored at 305-B Storage Facility can be categorized as originating from five basic sources:

- Listed Waste from specific and nonspecific sources
- Discarded commercial chemical products
- Waste from research activities using radioactive isotopes
- Waste from chemicals synthesized or created in research laboratories
- Discarded commercial products exhibiting dangerous waste characteristics and/or criteria.

Each of these waste categories is discussed below, including waste descriptions, hazard characteristics, and bases for hazard designations. This information includes that which must be known to treat, store, or dispose of the waste, as required under WAC 173-303-806(4)(a)(ii).

Listed Waste from Specific and Nonspecific Sources. Waste from specific and nonspecific sources consist of those listed waste identified in WAC 173-303-9904. Attachment 18, Chapter 1.0, Part A, Form 3, identifies the waste from this category with their estimated annual management quantities.

Halogenated and nonhalogenated solvents are in the form of spent solvents. Degreasing solvents (F001), as well as spent halogenated solvents (F002), are used primarily in research although some commercial applications do exist (e.g., printing, duplicating). Spent non-halogenated solvents (F003, F004, and F005) also come primarily from research laboratories, although some is generated through maintenance applications. Manufacturing activities are not performed at Hanford; therefore, dangerous waste from specific sources (WAC 173-303-9904 "K" Waste) typically are not generated at PNNL. However, small quantities of K-listed waste have been generated from treatability studies and sample characterization activities at PNNL from time to time and could be stored at 305-B Storage Facility. W001 state source waste (PCB electrical equipment waste) has been generated in limited amounts in the past and could be stored at 305-B Storage Facility if other generation activities occur.

F-listed waste is designated on the basis of process knowledge (i.e., information from container labels or material safety data sheets), or by sampling. Sampling is performed if the generating unit does not have sufficient information to document the composition and characteristics of the waste. The waste generator is responsible for specifying the characteristics of the waste on the basis of knowledge of the chemical products used (i.e., information supplied by the manufacturer) and the process generating the waste. These listed waste are all designated as dangerous waste (DW) or extremely hazardous waste (EHW) based on the criteria given in WAC 173-303-100. ~~Waste F027 is designated as an LDR waste under 40 CFR 268.31 (dioxin-containing waste).~~

~~Waste code W001 is assigned to wastes meeting the criteria given in WAC 173-303-9904 and not exempted by WAC 173-303-071(3)(e).~~

Modification Class: ¹²³	Class 1	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:	X			

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

C. General Permit Provisions

1. Administrative and Informational changes

Submitted by Co-Operator:	Reviewed by RL Program Office:	Reviewed by Ecology:	Reviewed by Ecology:
<i>A.K. Ikenberry</i> 9/17/02	<i>R.F. Christensen</i> 9/24/02	<i>F. Jamison</i> 11/5/02	<i>L.E. Ruud</i> 11/20/02
A.K. Ikenberry Date	R.F. Christensen Date	F. Jamison Date	L.E. Ruud Date

¹ Class 1 modifications requiring prior Agency approval.

² This is only an advanced notification of an intended Class ¹1, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.

³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to ¹1, if appropriate.

Hanford Facility RCRA Permit Modification Notification Form

Unit:
305-B Storage Facility

Permit Part & Chapter:
Part III, Chapter 2 and Attachment 18

Description of Modification:

Chapter 3.0, Section 3.1:

Discarded Chemical Products Exhibiting Dangerous Waste Characteristics and/or Criteria. Many discarded chemical products handled in 305-B Storage Facility are not listed in WAC 173-303-9903 and are still considered dangerous waste since they exhibit at least one dangerous waste characteristic and/or criterion (WAC 173-303-090 and WAC 173-303-100). These wastes are included with those listed in the Attachment 18, Chapter 1.0, Part A, Form 3, under waste codes D001 through D043, WT01, WT02, WP01, WP02, and WP03. ~~These containers typically consist of glass and polyethylene jars or bottles and metal cans that have a maximum volume of 4 liters.~~

Modification Class: ¹²³	Class 1	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:	X			

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

A. General Permit Provisions

1. Administrative and Informational changes

Submitted by Co-Operator:	Reviewed by RL Program Office:	Reviewed by Ecology:	Reviewed by Ecology:
<i>A.K. Ikenberry</i> 9-19-02	<i>R.F. Christensen</i> 9/20/02	<i>F. Jamison</i> 11/5/02	<i>L.E. Ruud</i> 11/20/02
A.K. Ikenberry Date	R.F. Christensen Date	F. Jamison Date	L.E. Ruud Date

¹ Class 1 modifications requiring prior Agency approval.

² This is only an advanced notification of an intended Class ¹1, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.

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Hanford Facility RCRA Permit Modification Notification Form

Unit:
305-B Storage Facility

Permit Part & Chapter:
Part III, Chapter 2 and Attachment 18

Description of Modification:

Chapter 3.0, Section 3.2.2:

Notification for Storing of Waste: The waste analysis process begins when the waste management organization is notified of the presence of a chemical or mixed waste. This notification is accomplished by the generating unit completing and transmitting a electronic Disposal Request. The form describes the volume and chemical composition of waste in each waste container for disposal. Hazard and compatibility information are obtained for each item on the disposal request form to ensure the safety of the waste management organization staff that collect and transport the waste and to ensure safe and appropriate storage in 305-B Storage Facility.

The compatibility and hazard class are determined using reference material that may include, Condensed Chemical Dictionary, Merck Index, 49 CFR, NIOSH, Sigma-Aldrich or any other reference material that is applicable. The priority of hazard designation for those substances with multiple hazards or for mixtures is the same used by the DOT in 49 CFR 173.2. (DOT-2000) as shown below:

- 1) ~~Radioactive material~~
- 2) ~~Poison A~~
- 3) ~~Flammable gas~~
- 4) ~~Nonflammable gas~~
- 5) ~~Flammable liquid~~
- 6) ~~Oxidizer~~
- 7) ~~Flammable solid~~
- 8) ~~Corrosive material (liquid)~~
- 9) ~~Poison B~~
- 10) ~~Corrosive material (solid)~~
- 11) ~~Irritating materials~~
- 12) ~~Combustible liquid (exceeding 110 gal)~~
- 13) ~~Other Regulated Material (ORM)-B~~
- 14) ~~ORM-A~~
- 15) ~~Combustible liquid (less than 110 gal)~~
- 16) ~~ORM-E~~

Disposal Requests and other information used for determining waste designations and compatibility must meet four distinct needs of the dangerous waste manager and sample collector. They must enable each to:

- Identify those waste which are designated dangerous in accordance with WAC 173-303 and whether those waste are DW or EHW
- Determine whether the waste is restricted from land disposal under 40 CFR 268 or WAC 173-303-140 and, as whether it, complies with applicable treatment standards under 40 CFR 268 or WAC 173-303-140
- Identify and verify specific morphological characteristics of waste in solid or solution form

Outline how to safely handle, transport, analyze, store, and dispose of the waste product or sample.

Modification Class: ¹²³	Class 1	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:	X			

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

A. General Permit Provisions

1. Administrative and Informational changes

Submitted by Co-Operator: <i>A.K. Ikenberry</i> A.K. Ikenberry	Reviewed by RL Program Office: <i>R.F. Christensen</i> R.F. Christensen	Reviewed by Ecology: <i>F. Jamison</i> F. Jamison	Reviewed by Ecology: <i>L.E. Ruud</i> L.E. Ruud
9/14/02 Date	9/20/02 Date	11/5/02 Date	11/20/02 Date

¹ Class 1 modifications requiring prior Agency approval.

² This is only an advanced notification of an intended Class ¹1, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.

³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to ¹1, if appropriate.

Hanford Facility RCRA Permit Modification Notification Form

Unit:
305-B Storage Facility

Permit Part & Chapter:
Part III, Chapter 2 and Attachment 18

Description of Modification:

Chapter 3.0, Section 3.2.2:

Labeling and Marking. After inspection of the waste at the generating unit, the approved waste are assigned a unique computer identification number and hazard classification. ~~The waste containers are then marked and labeled in compliance with WAC 173-303-190 (DOT marking and labeling), and Washington "Hazardous Waste" markings.~~ Waste meeting Washington dangerous waste criteria under WAC 173-303-090 or 173-303-100 are marked "Toxic" (for waste designated WT01 or WT02), and/or "Persistent" (for waste designated WP01, WP02, or WP03), in accordance with WAC 173-303-630(3). In addition, each waste container is labeled with a list of constituents and major risk(s) or an appropriate hazard description. The containers are also labeled indicating ~~compatibility group and cell location~~, and with a unique computer-generated identification number created by the tracking system described below. This computerized information helps the waste handlers ensure safe handling, storage, retrieval and transportation of dangerous waste.

Transportation. The labeled containers are transported to 305-B Storage Facility by PNNL staff trained in applicable DOT requirements and emergency response. Waste is transported using a truck or light utility vehicle. For transport on roads accessible to the public, the vehicles are placarded in compliance with DOT regulations and documented in compliance with WAC 173-303-180, Hanford Facility Permit Conditions II.P. and/or II.Q as applicable.

Waste Handling, Storage, and Tracking at 305-B Storage Facility. Waste received at 305-B Storage Facility is put into 14 separate hazard classifications based on building and fire code restrictions for that type of facility:

1. Non-flammable RMW
2. Oxidizers
3. Acids, (organic and inorganic)
4. Poison
5. Caustics
6. Flammable Solids
7. Non-Regulated
8. Miscellaneous
9. Washington State only waste (e.g., sodium chloride, sodium bicarbonate)
10. Flammable and combustible liquids
11. Flammable and combustible RMW
12. Compressed gases and aerosols
13. Special Case waste (organic peroxides, explosives, etc.)
14. Recycle

Modification Class: ¹²³

Please check one of the Classes:

Class 1	Class ¹	Class 2	Class 3
X			

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

A. General Permit Provisions

1. Administrative and Informational changes

Submitted by Co-Operator:	Reviewed by RL Program Office:	Reviewed by Ecology:	Reviewed by Ecology:
<i>A.K. Ikenberry</i> 9-18-02 A.K. Ikenberry Date	<i>R.F. Christensen</i> 9/20/02 R.F. Christensen Date	<i>F. Jamison</i> 11/5/02 F. Jamison Date	<i>L.E. Ruud</i> 11/20/02 L.E. Ruud Date

¹ Class 1 modifications requiring prior Agency approval.

² This is only an advanced notification of an intended Class ¹, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.

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Hanford Facility RCRA Permit Modification Notification Form

Unit:
305-B Storage Facility

Permit Part & Chapter:
Part III, Chapter 2 and Attachment 18

Description of Modification:

Chapter 3.0, Section 3.2.2:

Recordkeeping and Inventory Control. A computer tracking system has been developed to ensure that complete records of current inventory, packaging, and shipping data are maintained. Records of the initial waste disposal request form, waste analysis results if required, waste designation, and shipping manifest are maintained. As waste are received for disposal, the containers are labeled with the information described in the Labeling and Marking section above, including a unique computer identification number. ~~This number is also written on the disposal request form. The label information is then entered into the computerized database, along with the storage location within 305-B Storage Facility.~~

The endpoint of the process for most waste is proper packaging and transport of the waste to an approved recycler or treatment/disposal facility. Some commercial chemical products, however, are redistributed to other Hanford Site contractors, as described in Section 10.4. Final computer verification of the history and ultimate disposal of each waste container is entered when the material is shipped from the 305-B Storage Facility.

Current waste quantities in inventory are periodically verified and reported to the Unit Operations Supervisor. The inventory is checked by hazard class and provides a measure of current inventory versus established limits.

If it is determined that 305-B Storage Facility inventory is within 5 percent of the limit for a given hazard classification, additional waste of that hazard class is not accepted into 305-B Storage Facility until the inventory has been reduced. Exceptions must be approved by the unit operating supervisor.

Modification Class: ¹²³	Class 1	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:	X			

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

A. General Permit Provisions

1. Administrative and Informational changes

Submitted by Co-Operator: <i>A.K. Ikenberry</i> 9/18/02	Reviewed by RL Program Office: <i>R.F. Christensen</i> 9/20/02	Reviewed by Ecology: <i>F. Jamison</i> 11/15/02	Reviewed by Ecology: <i>L.E. Ruud</i> 11/20/02
A.K. Ikenberry Date	R.F. Christensen Date	F. Jamison Date	L.E. Ruud Date

¹ Class 1 modifications requiring prior Agency approval.

² This is only an advanced notification of an intended Class ¹1, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.

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Hanford Facility RCRA Permit Modification Notification Form

Unit:
305-B Storage Facility

Permit Part & Chapter:
Part III, Chapter 2 and Attachment 18

Description of Modification:

Chapter 3.0, Section 3.3.1:

If the sample data observed meets the parameters specified in its documentation, confirmation of designation is complete and the waste may be accepted. If not, the waste is rejected and returned to the generating unit for additional characterization. The waste will be required to be resubmitted with a revised Disposal Request following the additional characterization activity.

When mathematically possible, the Permittees shall perform confirmation on an equal number of Category I and Category II containers.

Category II. If a representative sample is not easily obtained (for example, discarded machinery or shop rags), or if the waste is a labpack or discarded laboratory reagent container, the following steps will be performed:

- a. Visually verify the waste. Examine each selected container to ensure that it matches the data provided on the Disposal Request form(s) provided to document the waste. Labpacks and combination packages that are accepted from non-PNNL generators must be removed from the outer container. If the waste matches the description specified in its documentation, confirmation of designation is complete and the waste may be accepted. If not, the waste is rejected and returned to the generating unit, and the generating unit revises and resubmits the documentation to reflect the actual contents. If necessary, the waste shall be re-designated utilizing the designation methods identified in WAC 173-303-070 through 173-303-100."

Wastes must be analyzed using the Toxicity Characteristic Leaching Procedure (TCLP) in accordance with Appendix II of 40 CFR 261, as amended, in order to provide sufficient information for proper management and for decisions regarding LDR pursuant to 40 CFR 268.

Modification Class: ¹²³	Class 1	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:	X			

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

- A. General Permit Provisions
 - 1. Administrative and Informational changes

Submitted by Co-Operator: <i>Alex Ikenberry</i>	Reviewed by RL Program Office: <i>R.F. Christensen</i>	Reviewed by Ecology: <i>F. Jamison</i>	Reviewed by Ecology: <i>L.E. Ruud</i>
<i>9-17-02</i> Date	<i>9/20/02</i> Date	<i>11/5/02</i> Date	<i>11/20/02</i> Date
A.K. Ikenberry	R.F. Christensen	F. Jamison	L.E. Ruud

¹ Class 1 modifications requiring prior Agency approval.

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Hanford Facility RCRA Permit Modification Notification Form

Unit
305-B Storage Facility

Permit Part & Chapter:
Part III, Chapter 2 and Attachment 18

Description of Modification:

Chapter 3.0, Section 3.3.1:

Category I. If a waste, which easily yields a representative sample is received, a representative sample will be taken from the waste containers selected. If more than one phase is present, each phase must be tested individually. The following field tests will be performed as appropriate for the waste stream:

- Reactivity - HAZCAT™-oxidizer, cyanide, and sulfide tests. These tests will not be performed on materials known to be organic peroxides, ethers, and/or water reactive compounds.
- Flashpoint/explosivity - by HAZCAT™ flammability procedure, explosive atmosphere meter¹, or a closed cup flashpoint measurement instrument¹.
- pH - by pH meter¹ or pH paper (SW-846-9041)². This test will not be performed on non- aqueous materials.
- Halogenated organic compounds—by Chlor-D-Test™ kits.

Volatile organic compounds - by photo or flame ionization tester¹, by gas chromatography with or without mass spectrometry, or by melting point and/or boiling point determination.

Modification Class: ¹²³

Please check one of the Classes:

Class 1	Class ¹ 1	Class 2	Class 3
X			

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

A. General Permit Provisions

1. Administrative and Informational changes

Submitted by Co-Operator:	Reviewed by RL Program Office:	Reviewed by Ecology:	Reviewed by Ecology:
<i>A.K. Ikenberry</i> 9/17/02	<i>R.F. Christensen</i> 9/20/02	<i>F. Jamison</i> 11/5/02	<i>L.E. Ruud</i> 11/20/02
A.K. Ikenberry Date	R.F. Christensen Date	F. Jamison Date	L.E. Ruud Date

¹ These instruments are field calibrated or checked for accuracy daily when in use.

² The pH paper must have a distinct color change every 0.5 pH units and each batch of paper must be calibrated against certified pH buffers, or by comparison with a pH meter calibrated with certified pH buffers.

¹ Class 1 modifications requiring prior Agency approval.

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Hanford Facility RCRA Permit Modification Notification Form

Unit:
305-B Storage Facility

Permit Part & Chapter:
Part III, Chapter 2 and Attachment 18

Description of Modification:

Chapter 3.0, Section 3.3.2:

3.3.2. Criteria and Rational for Parameter Selection

Waste-testing methods, parameters and the rationale for these parameters are summarized in Table 3-1. Waste testing methods and references to these methods are as specified in WAC 173-303-110(3) or approved by Ecology in accordance with WAC 173-303-110(5). These methods are summarized in Table 3-1. All methods are specified in *Chemical Testing Methods*, WDOE 83-13 (Ecology 1983) and/or *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods*, EPA SW-846 (EPA 1986).

Testing parameters for each type of waste were selected to obtain data sufficient to designate the waste properly under WAC 173-303-070, meet requirements for Land Disposal Restrictions, and to manage the waste properly. If information on the source of the waste is available, then all parameters might not be required, e.g., exclusion of testing for pesticides from a metal-machining operation.

Some of the parameters that are considered for waste received at the 305-B Storage Facility are as follows.

- Physical description – used to determine the general characteristics of the waste. This facilitates subjective comparison of the sampled waste with previous waste descriptions or samples. Also, a physical description is used to verify the observational presence or absence of free liquids.
- pH – used to identify the pH and corrosive nature of an aqueous or solid waste, to aid in establishing compatibility strategies, and to indicate if the waste is acceptable for treatment and/or storage in the 325 HWTUs.
- Cyanide – used to indicate whether the waste produces hydrogen cyanide upon acidification below pH 2.
- Sulfide screen – used to indicate if the waste produces hydrogen sulfide upon acidification below pH 2.
- Halogenated hydrocarbon content screen – used to indicate whether chlorinated hydrocarbons or polychlorinated biphenyls (PCBs) are present in waste and to determine if the waste needs to be managed in accordance with the regulations prescribed in the *Toxic Substance Control Act of 1976*.
- Ignitability – used to identify waste that must be managed and protected from sources of ignition or open flame.

HAZCAT™ Testing tests – used to determine waste characteristics and verify generator knowledge. The testing procedures for each HAZCAT™ test are included in the HAZCAT™ appropriate test kit.

Modification Class: ¹²³	Class 1	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:	X			

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830. Appendix I citation

A. General Permit Provisions

1. Administrative and Informational changes

Submitted by Co-Operator: <i>A.K. Ikenberry</i> 9/1/02 A.K. Ikenberry Date	Reviewed by RL Program Office: <i>R.F. Christensen</i> 9/20/02 R.F. Christensen Date	Reviewed by Ecology: <i>F. Jamison</i> 11/20/02 F. Jamison Date	Reviewed by Ecology: <i>L.E. Ruud</i> 11/20/02 L.E. Ruud Date
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¹ Class 1 modifications requiring prior Agency approval.

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Hanford Facility RCRA Permit Modification Notification Form

Unit:
305-B Storage Facility

Permit Part & Chapter:
Part III, Chapter 2 and Attachment 18

Description of Modification:

Chapter 3.0, Section 3.7.1:

3.7.1. Procedures for Receiving Waste From off-site Generators

Most of the waste stored at 305-B Storage Facility is generated on the Hanford Site and/or by PNNL research programs within the 300 Area. Additional requirements for waste generated outside the 300 Area include proper manifesting (if appropriate) to 305-B Storage Facility and proper packaging for transport over public roadways. Although PNNL waste generated outside of the 300 Area is considered to be generated offsite since it may be transported to 305-B Storage Facility on roads accessible to the public, it is under the same administrative controls as waste that are generated onsite (i.e., in the 300 Area).

The generator is responsible for identifying waste composition accurately and PNNL waste operations will arrange ing for the transport of the waste. The 305-B Storage Facility maintains a copy of any pertinent operating record in accordance with WAC 173-303 and the time frames described in Attachment 33, Chapter 12 of the Hanford Facility RCRA Permit, Dangerous Waste Portion, General Information Portion.) The waste-tracking methods are as follows.

Modification Class: ¹²³	Class 1	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:	X			
Relevant WAC 173-303-830, Appendix I Modification: A.1.				
<u>Enter wording of the modification from WAC 173-303-830, Appendix I citation</u>				
A. General Permit Provisions				
1. Administrative and Informational changes				
Submitted by Co-Operator:	Reviewed by RL Program Office:	Reviewed by Ecology:	Reviewed by Ecology:	
<i>A.K. Ikenberry</i> 9/17/02	<i>R.F. Christensen</i> 9/17/02	<i>F. Jamison</i> 11/20/02	<i>L.E. Ruud</i> 11/20/02	
A.K. Ikenberry	R.F. Christensen	F. Jamison	L.E. Ruud	Date

¹ Class 1 modifications requiring prior Agency approval.

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Hanford Facility RCRA Permit Modification Notification Form					
Unit: 305-B Storage Facility		Permit Part & Chapter: Part III, Chapter 2 and Attachment 18			
<u>Description of Modification:</u> Chapter 3.0, Table 3-1:					
Cyanides	Cyanide screen HAZCAT™	Ensure that waste matches that described on waste acceptance documentation; ensure compliance with WAC 173-303-395(1)(b)			
Sulfides	Sulfide screen HAZCAT™	Ensure that waste matches that described on waste acceptance documentation; ensure compliance with WAC 173-303-395(1)(b)			
Modification Class: ¹²³		Class 1	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:		X			
Relevant WAC 173-303-830, Appendix I Modification: A.1.					
<u>Enter wording of the modification from WAC 173-303-830, Appendix I citation</u>					
A. General Permit Provisions					
1. Administrative and Informational changes					
Submitted by Co-Operator:	Reviewed by RL Program Office:	Reviewed by Ecology:	Reviewed by Ecology:		
<i>A.K. Ikenberry</i> 9-2-02	<i>R.F. Christensen</i> 9/2/02	<i>F. Jamison</i> 11/5/02	<i>L.E. Ruud</i> 11/20/02		
A.K. Ikenberry Date	R.F. Christensen Date	F. Jamison Date	L.E. Ruud Date		

¹ Class 1 modifications requiring prior Agency approval.

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Hanford Facility RCRA Permit Modification Notification Form

Unit:
305-B Storage Facility

Permit Part & Chapter:
Part III, Chapter 2 and Attachment 18

Description of Modification:

Chapter 4.0, Section 4.1.1.8:

4.1.1.8 Removal of Liquids from Containment System

Upon discovery of liquid accumulation in the containment resulting from a spill or other release, the BED must be contacted in accordance with the 305-B Storage Facility contingency plan (Attachment 18, Chapter 7.0). The BED may determine that the contingency plan should be implemented. If the incident is minor, and the BED approves, removal of the liquids will commence immediately following a safety evaluation. Appropriate protective clothing and respiratory protection will be worn during removal activities; a PNNL industrial hygienist may be contacted to determine appropriate personnel protection requirements and any other safety requirements that may be required, such as chemical testing or air monitoring. In addition, ventilation of the spill-impacted area may be performed if determined to be safe and if appropriate monitoring of the air discharge(s) is performed.

Spills are normally contained either within the storage cabinet, within the cell, or within a secondary containment trench or berm as described in Section 4.1.1.5. In any case, spilled material will be recovered to the extent possible by pumping recovered liquids with a pump made of nonreactive materials (either steel or PVC) to intact containers selected in accordance with the container criteria in WAC 173-303-190 selection procedure in Section 4.1.1.1. Nonrecoverable liquids will be absorbed with an appropriate absorbent (after appropriate chemical reaction to neutralize reactivity in the case of reactive waste, or neutralization in the case of corrosive materials); refer to Table 6.2 for list of available materials for this purpose. The absorbent material will then be recovered and placed in a container selected in accordance with Section 4.1.1.1, using nonsparking shovels in the case of ignitable waste. The floor, cabinets and any other impacted containers may be cleaned with dry rags, soap and water, or a compatible solvent if necessary to remove external contamination. Contaminated rags and other cleanup material will be disposed of in an appropriate manner. Verification sampling shall be carried out in accordance with Section 11.1.4.4. (Methods for sampling and testing to demonstrate success of decontamination).

Modification Class: ¹²³	Class 1	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:	X			
Relevant WAC 173-303-830, Appendix I Modification: A.1.				
<u>Enter wording of the modification from WAC 173-303-830, Appendix I citation</u>				
B. General Permit Provisions				
1. Administrative and Informational changes				
Submitted by Co-Operator:	Reviewed by RL Program Office:	Reviewed by Ecology:	Reviewed by Ecology:	
<i>Ann Ikenberry</i> 9-17-02	<i>R.F. Christensen</i> 9/18/02	<i>F. Jamison</i> 11/19/02	<i>L.E. Ruud</i> 11/20/02	
A.K. Ikenberry	R.F. Christensen	F. Jamison	L.E. Ruud	Date

¹ Class 1 modifications requiring prior Agency approval.

² This is only an advanced notification of an intended Class ¹1, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.

³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to ¹1, if appropriate.

Hanford Facility RCRA Permit Modification Notification Form					
Unit: 305-B Storage Facility		Permit Part & Chapter: Part III, Chapter 2 and Attachment 18			
<p><u>Description of Modification:</u> Chapter 6.0, Section 6.4.1: 6.4.1 Unloading Operations</p> <p>Procedures have been developed at 305-B Storage Facility to prevent hazards and minimize the potential for breakage, punctures, or the accidental opening of containers during waste unloading. All waste unloading is performed inside the 305-B Storage Facility. The large bay door is opened and the appropriate transporting vehicle (usually a pickup truck) is driven inside. As described in Section 4.1.1.3, the unloading area has secondary containment. By unloading all waste inside the fully contained facility, spills during unloading operations will be contained. Procedures for unloading and transferring waste to storage areas have been designed to minimize hazards. All waste is inspected prior to shipment to 305-B Storage Facility to ensure that they are in appropriate containers and that the containers are in good condition. Inspection of containers prior to acceptance at 305-B Storage Facility minimizes the potential for spills during unloading operations. The potential for spills during waste handling is minimized through the use of appropriate container handling equipment. Large waste items such as drums of nonflammable RMW are lowered into the basement of the facility for storage using an overhead crane or winch assembly. The containers are immediately transported, via a hand lift, into the appropriate storage location. Forklifts may also be used to unload heavy waste items. Small waste items can be unloaded by hand. Each small waste item is removed from the secondary containment unit in which it was transported (i.e., plastic storage tub) and placed in the appropriate storage location.</p>					
Modification Class: ¹²³		Class 1	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:		X			
Relevant WAC 173-303-830, Appendix I Modification: A.1.					
<u>Enter wording of the modification from WAC 173-303-830, Appendix I citation</u>					
A. General Permit Provisions					
1. Administrative and Informational changes					
Submitted by Co-Operator:	Reviewed by RL Program Office:	Reviewed by Ecology:	Reviewed by Ecology:		
<i>A.K. Ikenberty</i> 9/17/02	<i>R.F. Christensen</i> 9/17/02	<i>F. Jamison</i> 11/20/02	<i>L.E. Ruud</i> 11/20/02		
A.K. Ikenberty	R.F. Christensen	F. Jamison	L.E. Ruud	Date	

¹ Class 1 modifications requiring prior Agency approval.

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Hanford Facility RCRA Permit Modification Notification Forms

Part III, Chapter 3 and Attachment 28

PUREX Storage Tunnels

Page 1 of 2

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Page 2 of 2: Hanford Facility RCRA Permit, III.3

Hanford Facility RCRA Permit Modification Notification Form

Unit:
PUREX Storage Tunnels

Permit Part & Chapter:
Part III, Chapter 3 and Attachment 28

Description of Modification:

Hanford Facility RCRA Permit, III.3.:

CHAPTER 3
PUREX Storage Tunnels

The PUREX Storage Tunnels are mixed waste storage units consisting of two underground railroad tunnels: Tunnel Number 1, designated 218-E-14, and Tunnel Number 2, designated 218-E-15. This Chapter sets forth the operating Conditions for this TSD unit.

III.3.A

COMPLIANCE WITH APPROVED PERMIT APPLICATION

The Permittees shall comply with all requirements set forth in Attachment 28, including all Class 1 Modifications specified below, and the Amendments specified in Condition III.3.B, if any exist. Enforceable portions of the permit application have been incorporated in Attachment 28 and are identified as follows, are listed below; a All subsections, figures, and tables included in these portions are also enforceable, unless stated otherwise:

ATTACHMENT 28:

- Chapter 1.0 Part A, Form 3, Permit Application, Revision 5BA, from Class 1 Modification from quarter ending September 30, 2002⁹
- Chapter 2.0 Unit Description, from Class 1 Modification for quarter ending September 30, 2002
- Section 2.1 The PUREX Storage Tunnels Description
- Section 2.2 Topographic Map, including Class 1 Modifications from quarter ending June 30, 1997
- Chapter 3.0 Waste Analysis Plan, from Class 1 Modification for quarter ending September 30, 2002
- Chapter 4.0 Process Information, from Class 1 Modification for quarter ending September 30, 2002
- Chapter 6.0 Procedures to Prevent Hazards, from Class 1 Modification for quarter ending September 30, 2002
- Chapter 7.0 Contingency Plan, dated May 1998, from Class 1 Modification for quarter ending September 30, 2002^{March 31, 2000}
- Chapter 8.0 Personnel Training, from Class 1 Modification for quarter ending September 30, 2002
- Chapter 10.0 Waste Minimization, from Class 1 Modification for quarter ending September 30, 2002
- Chapter 11.0 Closure and Financial Assurance, from Class 1 Modification for quarter ending September 30, 2002
- Chapter 12.0 Reporting and Recordkeeping, from Class 1 Modification for quarter ending September 30, 2002
- Chapter 13.0 Other Federal and State Laws, from Class 1 Modification for quarter ending September 30, 2002
- Appendix 2A Topographic Map
- Appendix 3A Waste Analysis Plan for PUREX Storage Tunnels
- Appendix 4A Engineering Drawings, including Class 1 Modifications from quarter ending December 31, 1998
- Appendix 7A Unit Specific Contingency Plan for the 218-E-14 and 218-E-15 Storage Tunnels, from Class 1 Modification for quarter ending March 31, 2000

Modification Class: ¹²³	Class 1	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:	X			

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

A. General Permit Provisions

1. Administrative and informational changes

Submitted by Co-Operator: <i>J. Oguin</i> 9/18/02 C. J. Oguin Date	Reviewed by RL Program Office: <i>P. Valcich</i> 9/26/02 P. J. Valcich Date	Reviewed by Ecology: <i>R. Bond</i> 11/13/02 R. Bond Date	Reviewed by Ecology: <i>L. E. Ruud</i> 11/20/02 L. E. Ruud Date
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¹Class 1 modifications requiring prior Agency approval.

² This is only an advanced notification of an intended Class ¹1, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.

³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to ¹1, if appropriate.