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STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
3100 Port of Benton Blvd • Richland, WA 99352 • (509) 372-7950

March 17, 2005

RECEIVED
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EDMC

Mr. Roy J. Schepens, Manager
Office of River Protection
United States Department of Energy
P.O. Box 450, MSIN: H6-60
Richland, Washington 99352

Mr. Keith A. Klein, Manager
Richland Operations Office
United States Department of Energy
P.O. Box 550, MSIN: A7-50
Richland, Washington 99352

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

Mr. Roby D. Enge, Director
Environment, Safety, Health and Quality
Pacific Northwest National Laboratory
P.O. Box 999, MSIN: J2-38
Richland, Washington 99352

Mr. Richard H. Gurske, Director
Environmental Protection
Fluor Hanford, Inc.
P.O. Box 1000, MSIN: H8-12
Richland, Washington 99352

Mr. Thomas E. Logan, President
Bechtel Hanford, Inc.
3070 George Washington Way, MSIN: H0-30
Richland, Washington 99352

Mr. J.P. Henschel, Project Director
Bechtel National, Inc.
2435 Stevens Center Place
Richland, Washington 99352

Ms. Susan J. Eberlein, Vice President
Environmental Safety, Health, and Quality
CH2M Hill Hanford Group, Inc.
P.O. Box 1500, MSIN: H6-03
Richland, Washington 99352

Dear Ms. Eberlein and Messrs. Schepens, Hebdon, Gurske, Henschel, Klein, Enge, and Logan:

Re: United States Department of Energy Letter, Dated March 30, 2004, "Quarterly Notification of Class 1 Modifications to the Hanford Facility Resource Conservation and Recovery Act (RCRA) Permit (Quarter Ending March 2004)"

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



Ms. Eberlein and Messrs. Schepens, Hebdon, Gurske, Henschel, Klein, Enge, and Logan
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The approved/denied quarterly modifications include:

General Permit Conditions, Applicability Matrix, Attachment 3:

Page 2 of 5: Permit Condition II.A.2: Denied

Unclear – suggest re-wording. For example, units currently in Part III operate to unit specific contingency documentation and units in Part V and VI operate under the sitewide contingency plan.

Page 3 of 5: Permit Condition II.F.2.b: Denied

Ecology proposes – The Permittees shall evaluate resource protection wells subject to this Permit according to Sections 4.0 and 5.0 of the *Hanford Site Well Management Plan* (DOE/RL-2003-13, Rev.0) (Attachment 6) and the Policy on Remediation of Existing Wells and Acceptance Criteria for RCRA and CERCLA, July 1990 (Attachment 7), to determine if a well has a potential use, as a qualified well. The Permittees shall decommission or remediate unusable wells, wells that are not intended for future use, or wells that are an environmental, safety, or public health hazard according to the requirements of Chapter 18.104 Revised Code of Washington (RCW), Chapter 173-160 Washington Administrative Code (WAC), and Chapter 173-162 WAC, to ensure that the integrity of wells subject to this Permit is maintained. The time frame for this remediation will be specified in Parts III, IV, V, and/or VI of this Permit.

Note: If this wording is used, Ecology will change Attachment 6 and replace the document cited above with the current document being followed.

Page 4 of 5: Permit Condition II.F.2.d: Denied

Ecology proposes – For wells subject to this Permit, the Permittees shall achieve full compliance with Chapter 173-160 WAC and Chapter 18.104 RCW consistent with an Ecology-approved rolling five year risk-based prioritization schedule. This process shall be completed by the year 2012.

Page 5 of 5: Permit Attachment 3, Permit Condition II.O: Approved

Part VI, Chapter 1, 300 Area Process Trenches, Attachment 31:

Page 2 of 11: Hanford Facility RCRA Permit, VI.1: Denied
In re-write, text not finalized.

Page 3 of 11: Chapter 1.0: Approved

Page 4 of 11: Chapter 2.0: Denied
Condition 11.K.3 needs to be revised. Ecology will be revising this condition in the new permit.

Ms. Eberlein and Messrs. Schepens, Hebdon, Gurske, Henschel, Klein, Enge, and Logan
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Page 5 of 11: Chapter 4.0: Approved

Page 6 of 11: Chapter 5.0: Approved

Page 7 through 11: Chapter 8.0:

Section 8.1: Denied

In re-write, text not finalized.

Section 8.2: Denied

In re-write, text not finalized.

Section 8.3.1 and 8.3.2: Denied

In re-write, text not finalized.

Section 8.3.4 and 8.3.5: Denied

In re-write, text not finalized.

Table 8.1: Denied

In re-write, text not finalized.

General Information Portion (DOE/RL-91-28), List of Attachments and Attachment 33:

Page 2 of 31: List of Attachments: Approved

Page 3 through 6 of 31: Chapter 2.0:

Section 2.2.1.4: Denied

Ecology has reviewed the attached proposed modifications and for the most part does not have an objection to accepting them. However, Ecology would like to counter with the following minor edit/change in the last paragraph: "...identified floodplains is addressed in the unit-specific documentation and/or portion."

Section 2.3: Denied

This proposed modification proposes to default the seismic consideration to the unit-specific "documentation" (rather than in the unit-specific "portion" of the permit). It also proposes to delete the references to documents currently containing the seismic information. Ecology denies the proposed changes for the following reasons:

1. Ecology believes the proposed change is being made to address the permit format changes where Ecology will write permit text, rather than incorporate the entire Part B permit application and permit conditions for the "unit-specific portion of the permit".

As such, perhaps there is a better way to change this so that both permit formats can be accommodated. Ecology, for completeness, must at a minimum have the information in the Part B permit application. As such, recommends the following language: "...for Zone 2B will be made in the unit-specific documentation and/or portion." This type of language addresses both permitting formats (i.e., stand alone permit conditions that are based on a complete permit application and conditions attached to the Part B permit application). If Ecology has misunderstood the basis of the proposed change, please let us know.

2. The references are meaningful as they: (a) identify to the reader where the information may be found, and (b) they administratively document which references were used. In other words, Ecology feels that there is administrative value in citing references.

As for the citations according to Debbi Isom, Administrative Record: DOE/RW-0164 is a 1988 "Consultation Draft Site Characterization Plan". There may definitely be a more recent and better (not draft) document to reference/cite. While Ecology is opposed to deleting the reference/citation, Ecology is not opposed to changing the citation to a better one. Also, Ecology is unable to locate the second document referenced (NUREG-0892) in the Administrative Record, so we believe that a better cite/reference is needed here.

***Note:** The "Annual Hanford Seismic Report For FY 2004" (PNNL-14953-1) is an example of what may be a better cite/reference document.*

Section 2.4: Approved
Figure 2.6: Approved

Page 7 and 8 of 31: Chapter 6.0:

Section 6.1: Approved
Section 6.1.1: Denied

Posted warning signs are required in all areas regardless of status.

Page 9 thru 13 of 31: Chapter 8.0:

Section 8.0: Denied
Sentence structure is incomplete.

Section 8.1.1: Approved
Section 8.3: Approved
Section 8.4: Approved
Section 8.5: Approved

Page 14 thru 30 of 31: Chapter 12.0:

Table 12.1, I.C.3: Approved

Table 12.1, I.E.12.i: Approved
Table 12.1, II.I.1d and I.E.18: Approved
Table 12.1, II.I.1.e, and II.A: Approved
Table 12.1, I.E.19: Approved
Table 12.1, I.E.22: Approved
Table 12.1, II.S and II.G (HSWA): Approved
Table 12.1, II.F: Denied
Issue to be addressed with permit renewal.
Table 12.1, II.I.1.p: Denied
Issue to be addressed with permit renewal.
Table 12.1, II.I.2: Approved
Table 12.1, II.S: Approved
Table 12.1, II.W.1: Approved
Table 12.1, 40 CFR 264.73(B)(9): Approved
Table 12.1 II.Y.2.a.iv, and II.Y.2.b.iv: Approved
Table 12.1, II.Y.3.B: Approved
Table 12.1, Endnote: Approved
Table 12.1, Endnote 7: Approved

Page 31 of 31: Appendix 2A:
Appendix 2A: Approved

Part III, Chapter 4, Liquid Effluent Retention Facility and 200 Area Effluent Treatment Facility, Attachment 34

Page 2 of 4: Hanford Facility RCRA Permit, III.4: Approved

Page 3 of 4: Chapter 7.0:
Section 7.3.2.5.1: Approved

Page 4 of 4: Chapter 11.0:
Section 11.4: Approved

Part VI, Chapter 2, 183-H Solar Evaporation Basins, Attachment 37

Page 2 of 12: Hanford Facility RCRA Permit, VI.2: Denied

Page 3 of 12: Chapter 1.0:
Remove and replace Chapter 1.0 with attached Chapter 1.0: Approved

Ms. Eberlein and Messrs. Schepens, Hebdon, Gurske, Henschel, Klein, Enge, and Logan
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Page 4 of 12: Chapter 2.0:

Section 2.1 and 2.2: Denied

WAC 172-303-610 requires groundwater plan. Also, the Tri Party Agreement calls out closure under final status RCRA.

Page 5 thru 7 of 12: Chapter 4.0:

Section 4.0 and 4.1: Denied

This is an interim record of decision. Acceptable changes have been placed into draft permit.

Section 4.2: Denied

Retained for informational purposes and to have a complete description of the unit.

Section 4.3: Denied

Retained for informational purposes and to have a complete description of the unit. Chapter 3 has not yet been approved and may change with new permit.

Page 8 thru 10 of 12: Chapter 5.0:

Section 5.0: Denied

Insufficient information. This section will be updated in the new permit.

Section 5.1: Denied

This section will change to reflect unit specific requirements.

Section 5.2: Denied

This section will change to reflect unit specific requirements.

Page 11 of 12: Chapter 6.0:

Section 6.2: Approved

Page 12 of 12: Chapter 7.0:

Chapter 7.0: Remove and replace Chapter 7.0 with attached Chapter 7.0: Approved

Part IV, Chapter 2, 100-NR-2 Operable Unit, Attachment 47

Page 2 of 3

Hanford Facility RCRA Permit IV.2: Denied

This modification must be approved by the Director of Ecology and will be addressed in the new permit.

Page 3 of 3

Description of modification:

Attachment 47: Denied

This modification must be approved by the Director of Ecology and will be addressed in the new permit.

Ms. Eberlein and Messrs. Schepens, Hebdon, Gurske, Henschel, Klein, Enge, and Logan

March 17, 2005

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The United States Department of Energy and contractor staff are encouraged to discuss proposed Class 1 changes with Ecology's unit managers to clarify any questions or concerns. If you have any questions or comments regarding this letter, please contact me at (509) 372-7894.

Sincerely,



Greta P. Davis
Hanford Sitewide RCRA Permit Coordinator
Nuclear Waste Program

nc
Enclosures

cc/enc: Tony McKarns, USDOE
Mike Hughes, BHI
Roger Landon, BHI
Phil Miller, CH2M
Suzette Thompson, FH
Alice Ikenberry, PNNL
Stuart Harris, CTUIR
Gabriel Bohnee, NPT
Russell Jim, YN
Ken Niles, ODOE
Administrative Record
Environmental Portal

cc: Ro Vinson, PAC
Todd Martin, HAB

Hanford Facility RCRA Permit Modification Notification Forms

General Permit Conditions

Attachment 3, Permit Applicability Matrix

Page 1 of 5

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Page 2 of 5: Permit Condition II.A.2
Page 3 of 5: Permit Condition II.F.2.b:
Page 4 of 5: Permit Condition II.F.2.d
Page 5 of 5: Permit Attachment 3, Permit Condition II.O

Hanford Facility RCRA Permit Modification Notification Form				
Unit: Hanford Facility RCRA Permit	Permit Part & Chapter: Part II, General Conditions			
<p><u>Description of Modification:</u> Permit Condition II.A.2: II.A.2 The Permittees shall comply with the requirements of WAC 173-303-350(4), as provided in The Hanford Emergency Management Plan (Attachment 4). The Hanford Emergency Management Plan provides reference to the need for unit-specific contingency documentation included in Part III, V, and or VI of this Permit. <u>Part V and VI units contingency documentation is included in the Hanford Facility Operating Record, Unit-Specific files.</u></p> <div style="text-align: center; font-size: 2em; font-family: cursive; margin: 20px 0;"> <i>Denied</i> </div>				
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:	
<i>R. H. Gurske</i> R. H. Gurske	<i>Mary Jane</i> for J. B. Hebdon	<i>5-27-04</i> Date	G. P. Davis	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 II, General Conditions			
<p><u>Description of Modification:</u></p> <p>Permit Condition II.F.2.b:</p> <p>The Permittees shall evaluate resource protection wells subject to this Permit according to Sections 4.0 and 5.0 of the <i>Hanford Well Maintenance Inspection Plan</i> (Attachment 6) and the <i>Policy on Remediation of Existing Wells and Acceptance Criteria for RCRA and CERCLA</i>, June 1990 (Attachment 7), to determine if a well has a potential use as a qualified well. The Permittees shall abandon or remediate unusable wells according to the requirements of Chapter 18.104 RCW, Chapter 173-160 WAC, and Chapter 173-162 WAC to ensure that the integrity of wells subject to this Permit is maintained. The time frame for this <u>abandonment or remediation</u> will be <u>coordinated with the requirements in Permit Condition II.F.2.d</u> specified in Parts III, V, and/or VI of this Permit.</p> <div style="text-align: center; font-size: 2em; font-family: cursive; margin: 20px 0;"> Denied </div>				
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:	
<i>R.H. Gurske</i>	<i>Mary Jarvis</i>	<i>3-29-04</i>		
R. H. Gurske	Date	for J.B. Hebdon	Date	G. P. Davis
				Date

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Hanford Facility RCRA Permit Modification Notification Form				
Unit: Hanford Facility RCRA Permit	Permit Part & Chapter: Part II, General Conditions			
<p><u>Description of Modification:</u> Permit Condition II.F.2.d:</p> <p>For wells subject to this Permit, the Permittees shall achieve full compliance with Chapter 173-160 WAC and Chapter 18.104 RCW consistent with a rolling five (5) year schedule agreed to by Ecology and the Permittees. This process shall be completed by the year 2012.</p> <div style="text-align: center; font-size: 2em; font-family: cursive; margin: 20px 0;"> <i>Denial</i> </div>				
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:	
<i>R. H. Gurske</i> R. H. Gurske	<i>Mary Jones</i> for J. B. Hebdon		G. P. Davis	Date
Date	Date			

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Hanford Facility RCRA Permit Modification Notification Form

Unit: Hanford Facility RCRA Permit	Permit Part & Chapter: Part II, General Conditions
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Description of Modification:
Permit Attachment 3, Permit Condition II.O:

PART II									
CONDITION		CATEGORY							QUALIFIERS
PART	TITLE	A	B	C	D	E	F	G	
II.O.	GENERAL INSPECTION REQUIREMENTS								
II.O.1.					*	*	*	*	
II.O.1.a.					*				
II.O.1.b.					*				
II.O.1.c.					*				
II.O.1.d.					*				
II.O.2.					*	*	*	*	
II.O.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: <i>R. H. Gurske</i> 20 Feb 04 R. H. Gurske Date	Reviewed by RL Program Office <i>May Jacobs</i> 3-27-04 for J. B. Hebdon Date	Reviewed by Ecology: <i>J. P. Davis</i> 3-3-05 G. P. Davis Date
--	--	--

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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 Forms

Part VI, Chapter 1 and Attachment 31

300 Area Process Trenches

February 2004

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Page 11 of 11:	Attachment 31, Chapter 8.0, Table 8.1

Hanford Facility RCRA Permit Modification Notification Form

Unit: 300 Area Process Trenches	Permit Part & Chapter: Part VI, Chapter 1 and Attachment 31								
<u>Description of Modification:</u> Hanford Facility RCRA Permit, VI.1.									
VI.1.A. <u>COMPLIANCE WITH APPROVED MODIFIED CLOSURE PLAN</u> The Permittees shall comply with all requirements set forth in Attachment 31, including Conditions specified in VI.1.B. The Permittees shall also comply with all the requirements in the 300-FF-1 and 300-FF-5 Record of Decision. All sections, figures, and tables included in these portions are enforceable:									
ATTACHMENT 31									
Chapter 1.0	Part A, <u>Dangerous Waste Permit Form 3, Permit Application, Revision 5A</u> , from Class 1 Modification dated February 2004 for quarter ending June 30, 2002								
Chapter 2.0	<u>Introduction 300-FF-1 Proposed Plan Discussions and Effects on the 300-F-1 Phase III Feasibility Study and 300 Area Process Trenches Modified Closure/Postclosure Plan Introduction</u> , from Class 1 Modification dated February 2004 for quarter ending June 30, 2002								
Chapter 3.0	300 Area Process Trenches Groundwater Monitoring Plan, RCRA Final Status Compliance Monitoring Plan (i.e., WHC-SD-EN-AP-185)								
Chapter 4.0	Closure Contact, from Class 1 Modification dated February 2004								
Chapter 5.0	Certification of Postclosure, from Class 1 Modification dated February 2004								
Chapter 8.0	Postclosure, from Class 1 Modification dated February 2004 for quarter ending June 30, 2002								
VI.1.B. <u>AMENDMENTS TO THE APPROVED MODIFIED CLOSURE PLAN</u>									
VI.1.B.1.	Pursuant to <u>Permit Condition II.K.7, of the Hanford Facility Wide Permit</u> , the 300 Area Process Trenches (APT) closure shall be a Modified Closure in coordination with the Record of Decision (ROD) for 300-FF-1 and 300-FF-5. Sections of CERCLA documents (examples may include, but are not limited to, Remedial Design/Remedial Action CERCLA work plan, the Operation and Monitoring Work Plan, etc.), which satisfy requirements and Conditions of this Modified Closure Plan, will be reviewed and approved by Ecology.								
VI.1.B.2.	As stipulated through Attachment 31, Chapter 3.0 the RCRA Final Status Compliance Monitoring Plan (i.e., WHC-SD-EN-AP-185) Appendix IX, sampling shall not be required unless post-closure monitoring results indicate a need to do so.								
Modification Class: ¹²³	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>Class 1</td> <td>Class ¹1</td> <td>Class 2</td> <td>Class 3</td> </tr> <tr> <td style="text-align: center;">X</td> <td></td> <td></td> <td></td> </tr> </table>	Class 1	Class ¹ 1	Class 2	Class 3	X			
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:	Reviewed by RA Program Office:	Reviewed by Ecology:	Reviewed by Ecology:						
<i>M. B. Lackey</i>	<i>W. S. McCormick</i>	J. B. Price	G. P. Davis						
Date	Date	Date	Date						

¹Class 1 modifications requiring prior Agency approval.

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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:
300 Area Process Trenches

Permit Part & Chapter:
Part VI, Chapter 1 and Attachment 31

Description of Modification:

Chapter 1.0: Remove and replace Chapter 1.0 with attached Chapter 1.0.
Figures were marked *OFFICAL USE ONLY*.

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>M.B. Lackey</i> M. B. Lackey	Reviewed by RL Program Office: <i>M.S. McCormick</i> M. S. McCormick	Reviewed by Ecology: <i>J. B. Price</i> J. B. Price	Reviewed by Ecology: <i>G. P. Davis</i> G. P. Davis
Date: <i>1/1/04</i>	Date: <i>3-24-04</i>	Date: <i>3/4/05</i>	Date: <i>3-3-05</i>

¹Class 1 modifications requiring prior Agency approval.

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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:
300 Area Process Trenches

Permit Part & Chapter:
Part VI, Chapter 1 and Attachment 31

Description of Modification:

Chapter 2.0: Remove and replace Chapter 2.0 with attached Chapter 2.0.

Wanted

2.1 INTRODUCTION

The purpose of this addendum is to document the discussions and present the data and evaluations that have been developed after submittal of the 300-FF-1 Phase III Feasibility Study (FS) to the regulatory agencies for review. A number of issues were raised by the regulatory agencies that have been addressed over the past several months. Discussions of issues between the U.S. Environmental Protection Agency (EPA), the Washington State Department of Ecology (Ecology), and the U.S. Department of Energy (DOE) resulted in additional technical reviews of analytical data and site conditions that, in some cases, enhance or modify certain aspects within the 300-FF-1 Phase III FS and the 300 Area Process Trenches (300 APT) Modified Closure/Postclosure Plan. Rather than completely revising each document, this addendum is included which summarizes the discussions, data review, evaluations, and technical changes made. It supersedes related discussions in both documents and by inclusion in these documents is made part of the 300-FF-1, 300-FF-5, and 300 Area APT Administrative Records.

A listing of topics the addendum addresses is discussed in the next paragraph. The first item on that list is very important and warrants discussion in the introduction. A key conclusion resulting from using data collected prior to the Remedial Investigation (RI)/FS is that several chemical constituents are identified above regulatory standards for the 300 APT. The text in the 300 APT Modified Closure/Post Closure Plan currently indicates no chemical constituents are above ~~Model Toxics Control Act (MTC) Level Method C~~ levels prescribed by Permit Condition II.K.3 Industrial Soil Cleanup Values. This results in a substantial change to the conclusions made within the closure plan. Exceedance of this regulatory standard is a new regulatory driver to take cleanup action in the 300 APT in addition to the previously documented uranium risk driver. There were no changes to conclusions in the 300-FF-1 Phase III FS risk assessment using the older data. The magnitude of this change suggests that it is very important for reviewers to read this ~~Chapter addendum~~ as it supersedes some analyses in both the 300-FF-1 Phase III FS and the 300 APT Modified Closure/Postclosure Plan.

The key areas addressed in the addendum are (1) change in use of (SW-846) data collected prior to *Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)* characterization activities, (2) evaluation and use of additional ~~soil~~ ^{soil} data from the South Process Pond, (3) ~~development of a uranium cleanup standard,~~ (4) evaluation of a cost-efficient technique to meet ~~MTC C Industrial Soil Cleanup Values Method C~~ levels prescribed by Permit Condition II.K.3 (54) review of volume and cost estimates, (65) revision of remedial alternatives, and (76) establishing proposed preferred remedial alternatives.

Another topic that merits a brief discussion here is the combining of the 300-FF-1 and 300-FF-5 Operable Units Proposed Plans. During review of the separate 300-FF-1 and 300-FF-5 Proposed Plans, the regulators determined that the documents should be combined to create a more integrated approach. Therefore, the proposed plan has been written to combine information from both operable units. ~~Once the Public Comment Period is completed,~~ The remedial alternatives for both the operable units and the 300 APT ~~are will be presented in the Record of Decision. In addition, 300 APT specific permit conditions will be administratively incorporated into the site-wide 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: <i>M.B. Lackey</i>	Reviewed by RI Program Office: <i>M.B. McCormick</i>	Reviewed by Ecology: <i>J.B. Price</i>	Reviewed by Ecology: <i>G.P. Davis</i>
Date: <i>6/21/10</i>	Date: <i>3-24-04</i>	Date:	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: 300 Area Process Trenches	Permit Part & Chapter: Part VI, Chapter 1 and Attachment 31
--	--

Description of Modification:

Chapter 4.0: Added Chapter 4.0

4.0 CLOSURE CONTACT

The RL is the official contact for 300 Area Process Trenches during the postclosure period at the following address:

Director, Regulatory Compliance and Analysis Division
U.S. Department of Energy
Richland Operations Office
P.O. Box 550
Richland, Washington 99352
(509) 372-2400

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:	Reviewed by RL Program Office:	Reviewed by Ecology:	Reviewed by Ecology:
<i>M.B. Lackey</i> for <i>2/19/04</i>	<i>M.S. McCormick</i> <i>3/24/04</i>	<i>J.B. Price</i> <i>3/14/05</i>	<i>G.P. Davis</i> <i>3-3-05</i>
M. B. Lackey Date	M. S. McCormick Date	J. B. Price Date	G. P. Davis Date

¹Class 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: 300 Area Process Trenches	Permit Part & Chapter: Part VI, Chapter 1 and Attachment 31
---	---

Description of Modification:

Chapter 5.0: Added Chapter 5.0

5.0 CERTIFICATION OF POSTCLOSURE

No later than 60 days after completion of the postclosure care period, RL will submit to Ecology a certification of completion of postclosure care. RL and an independent registered professional engineer will sign this certification, stating that postclosure care for the unit was performed in accordance with the approved closure plan. The certification will be submitted by registered mail or an equivalent delivery service. Documentation supporting the independent registered professional engineer's certification will be supplied upon request of the regulatory authority.

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>M. B. Lackey</i>	Reviewed by RL Program Office: <i>M. S. McCormick</i>	Reviewed by Ecology: <i>J. B. Price</i>	Reviewed by Ecology: <i>G. P. Davis</i>
Date	Date	Date	Date
2/19/09	3-24-04	3/4/05	3-3-05

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: 300 Area Process Trenches	Permit Part & Chapter: Part VI, Chapter 1 and Attachment 31
---	---

Description of Modification:

Chapter 8.0, §8.1: Remove and replace Chapter 8.0 with attached Chapter 8.0.

8.1 INSPECTION AND ~~AND WELL MAINTENANCE~~ PLAN

~~This section describes compliance monitoring activities, security equipment, and inspections for well conditions during a period of modified closure compliance monitoring will be conducted in accordance with Permit Condition II.F.2.b. Table 8-1 lists the inspection items and the inspection frequency for the postclosure care period. These inspections may be implemented in checklist form. Such a checklist could specify entering checklist performance and results in the appropriate inspection logbook.~~

8.1.1 Security Control Devices

~~Each groundwater monitoring well has a locked cap to prevent unauthorized access and is surrounded by four steel guard posts for visibility to prevent damage from vehicles. The overall well condition, locks, guard posts, and pumps will be inspected during each sampling event. Problems and/or damage will be noted on well inspection forms for tracking of repairs.~~

8.1.2 Well Condition

~~Inspection of groundwater monitoring wells will be conducted pursuant to Permit Condition II.F and carried out under internal procedure BHI-EE-01 (BHI 1995) or equivalent guidance. This procedure calls for a surface inspection of a well at each sampling event. The procedure also calls for a subsurface inspection of the well at a minimum of every 3 to 5 years. This routine subsurface inspection may consist of pulling and inspecting the pump, brushing the inner walls of the casing and screen, and conducting a down-hole television survey.~~

Denied

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>M. B. Lackey</i>	Reviewed by RL Program Office: <i>M. S. McCormick</i>	Reviewed by Ecology:	Reviewed by Ecology:
Date	Date	Date	Date
2/19/04	3-24-04	J. B. Price	G. P. Davis

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:
300 Area Process Trenches

Permit Part & Chapter:
Part VI, Chapter 1 and Attachment 31

Description of Modification:

Chapter 8.0, §8.2: Remove and replace Chapter 8.0 with attached Chapter 8.0.

8.2 MAINTENANCE PLAN

This section provides a plan for maintenance of the unit during the compliance monitoring period required for modified closure. Elements of this maintenance plan include repair of security devices, and well replacement. The maintenance plan is based on observations made and recorded in the well inspection form during site inspections. Except where immediate action is required, maintenance action will be initiated within 90 days of inspection and discovery.

8.2.1 Repair of Security Control Devices

The responsible maintenance organization will be notified of any problems to the well locks or guard posts and/or problems noted in the well inspection form during inspections and/or well monitoring activities. Well repairs will be made as soon as possible after notification of damage. Repairs to the four steel guard posts at each monitoring well will be made before the following inspection period and tracked on well inspection forms to completion.

8.2.2 Well Replacement

Maintenance of groundwater monitoring wells will be carried out under internal procedure BHI EE 01 (BHI 1995) or equivalent guidance. This procedure covers correction of problems found during routine inspection or that manifest themselves at other times. If field maintenance procedures are inadequate to solve problems identified during site inspection, management will decide whether to repair or replace the well. Where monitoring well damage requires modification of the groundwater monitoring program, the monitoring plan will be amended in accordance with WAC 173-303-610 (8)(d).

8.23 PERSONNEL TRAINING

This section describes the training of personnel required to complete postclosure care requirements contained in this postclosure plan and the Permit. A brief description of how training will be designed to meet job tasks is presented below. This chapter constitutes the training plan required by Permit Condition II.C.1 and the description required by Permit Condition II.C.3.

8.2.1 General Training

Personnel accessing the TSD unit will meet the General Hanford Facility training requirements contained in DOE/RL-91-28, §8.1.

8.2.2 Groundwater Sampling Personnel

During postclosure of the 300 APT, sampling personnel will be responsible for the following:

- Reporting groundwater well security and maintenance issues
- Collecting groundwater level data
- Collecting, packaging, and shipping groundwater samples with chain of custody to field and full scale laboratories
- Sampling and monitoring equipment operation and maintenance.

Wanted

The training of the sampling personnel will receive either classroom instruction or on-the-job training. Sampling personnel will be trained to perform these duties in accordance with Hanford Facility analytical services quality assurance requirements. A person successfully completing the required training courses will be qualified as a groundwater sampler. All personnel will undergo training and at least an annual review for required courses.

This section describes the training of personnel required to maintain the 300 APT in a safe and secure manner during postclosure care as required by 40 CFR 265.16, WAC 173-303-330, and Condition II.C of the Hanford Facility Dangerous Waste 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: <i>M. B. Lackey</i> 2/19/04 M. B. Lackey Date	Reviewed by RL Program Office: <i>M. S. McCormick</i> 3-24-04 M. S. McCormick Date	Reviewed by Ecology: J. B. Price Date	Reviewed by Ecology: G. P. Davis 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: 300 Area Process Trenches	Permit Part & Chapter: Part VI, Chapter 1 and Attachment 31
---	---

Description of Modification:

Chapter 8.0, §8.3.1 and §8.3.2: Remove and replace Chapter 8.0 with attached Chapter 8.0.

8.3.1 Outline of the Training Program

~~This section outlines the introductory and continuing training programs necessary to conduct the postclosure activities at the 300 APT in a safe manner. This section also includes a brief description of how training will be designed to meet job tasks as required in 40 CFR 265.16(a).~~

~~Surveillance Personnel: The following outline provides information on classroom and on the job training that surveillance personnel will complete before conducting independent site surveillance at the 300 APT:~~

- ~~•Security inspections~~
- ~~•Location, integrity, and inspection of groundwater wells~~

8.3.2 Job Description

~~This section provides the job description(s) for postclosure activities at 300 APT as required by 40 CFR 265.16(d)(1) and WAC 173-303-330(2)(a).~~

~~Site Surveillance: Personnel with training in the following areas will conduct the inspections:~~

- ~~•Control devices~~
- ~~•Damage~~

~~Training Content, Frequency, and Techniques~~

~~The training of personnel requires the following job specific training areas, as appropriate.~~

- ~~•Emergency Preparedness Training: This training will include a review of emergency procedures that consists of listening to standard emergency signals, and reporting procedures.~~
- ~~•The RCRA Groundwater Monitoring Scope, Organization, and Quality Assurance Plan: This training will include the documentation requirements included in the chain of custody to the laboratory, how to correct mistakes made on field data sheets, and any applicable manifests or shipping orders required for shipping samples to the laboratory.~~
- ~~•Groundwater Field Sampling Procedures: This training will include pump description and operation of the three types of pumps (used by the field personnel), operational procedures for the generators and the pumps used to gather groundwater samples, and special requirements for collecting and packaging samples containing volatile organic materials that require acid preservatives or special filtering. Training will be given in the areas of preparation of field data records and chain of custody to the laboratory.~~
- ~~•Site Security Inspections: Personnel will be instructed on how to inspect for obvious signs of a security breach. Signs may include downed barricades.~~
- ~~•Location, Integrity, and Inspection of Groundwater Wells: Personnel will be shown the locations of the groundwater wells and instructed on how to inspect the cap and casing of each well to ensure that it is locked.~~

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>M.B. Lackey</i> 2/15/04	<i>M.S. McCormick</i> 3-24-04		
M. B. Lackey Date	M. S. McCormick Date	J. B. Price Date	G. P. Davis 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: 300 Area Process Trenches	Permit Part & Chapter: Part VI, Chapter 1 and Attachment 31
---	---

Description of Modification:

Chapter 8.0, §8.3.4 and §8.3.5: Remove and replace Chapter 8.0 with attached Chapter 8.0.

8.3.4 Training for Emergency Response

~~This section will demonstrate that personnel conducting postclosure activities at the 300 APT have been fully trained to respond effectively to emergencies and are familiar with emergency procedures and equipment. In addition, training on hazardous waste site operations will be provided in accordance with 29 CFR 1910.120.~~

~~•Response to Fires: The 300 APT will have no existing structures and may be covered with a soil cover. As such, there is no need for fire equipment. However, if personnel are at the unit when a brushfire breaks out, they will notify the Hanford Fire Department.~~

~~•Response to Groundwater Contamination: Based on the current groundwater monitoring program, groundwater contamination beneath the 300 APT does not constitute an emergency, nor will it become an emergency because of closure. Therefore, emergency response training in this regard is not warranted at this time.~~

8.3.5 Implementation of Training Program

~~Surveillance personnel will undergo the required training programs outlined in Section 8.5.1 as they pertain to monitoring requirements. Surveillance personnel will not be allowed to perform inspections at the 300 APT until the required training programs have been completed.~~

Denied

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:	Reviewed by RL Program Office:	Reviewed by Ecology:	Reviewed by Ecology:
2/19/04	3-24-04		
M. B. Lackey Date	M. S. McCormick Date	J. B. Price Date	G. P. Davis Date

¹Class 1 modifications requiring prior Agency approval.

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Hanford Facility RCRA Permit Modification Notification Form

Unit: 300 Area Process Trenches	Permit Part & Chapter: Part VI, Chapter 1 and Attachment 31
---	---

Description of Modification:

Chapter 8.0, Table 8.1: Remove and replace Chapter 8.0 with attached Chapter 8.0.

Table 8-1. Inspection Schedule for the 300 Area Process Trenches.

Inspection item	Inspection frequency
Security control devices: well caps, and locks	Quarterly
Well condition	Semiannually
Subsurface well condition	3 to 5 years

Denied

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>M. B. Lackey</i> 2/19/04	Reviewed by RI Program Office: <i>M. S. McCormick</i> 3-24-04	Reviewed by Ecology:	Reviewed by Ecology:
M. B. Lackey Date	M. S. McCormick Date	J. B. Price Date	G. P. Davis Date

¹Class 1 modifications requiring prior Agency approval.

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Hanford Facility RCRA Permit Modification Notification Forms

List of Attachments and Attachment 33

General Information Portion (DOE/RL-91-28)

February 2004

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Page 31 of 31:	Appendix 2A

Hanford Facility RCRA Permit Modification Notification Form

Unit: List of Attachments	Permit Part & Chapter: Attachment 33, General Information Portion
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Description of Modification:

Hanford Facility RCRA Permit, 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 33 Hanford Facility Dangerous Waste Permit Application General Information Portion, DOE/RL-91-28, Revision 76, and approved modifications

...

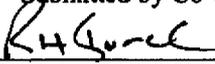
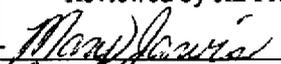
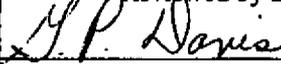
Modification Class: ¹²³	Class 1	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:	X			

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:
 R. H. Gurske	 3-29-04 <i>For</i> J. B. Hebdon	 3-3-05 G. P. Davis
Date	Date	Date

¹Class 1 modifications requiring prior Agency approval.

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Hanford Facility RCRA Permit Modification Notification Form

Unit: List of Attachments		Permit Part & Chapter: Attachment 33, General Information Portion			
<u>Description of Modification:</u> Chapter 2.0, §2.2.1.4: Remove and replace Chapter 2.0 with attached Chapter 2.0.					
2.2.1.4 Floodplain Area					
Three sources of potential flooding of the Hanford Facility are considered: (1) the Columbia River, (2) the Yakima River, and (3) storm-induced run-off in ephemeral streams draining the Hanford Facility. No perennial streams occur in the central part of the Hanford Facility. <u>However, Cold Creek is an intermittent or ephemeral stream that exists along Highway 240 during periods of extreme precipitation.</u>					
The Federal Emergency Management Agency has not prepared floodplain maps for the Columbia River through the Hanford Site. The flow of the Columbia River is largely controlled by several upstream dams that are designed to reduce major flood flows. Based on a U.S. Army Corps of Engineers study of the flooding potential of the Columbia River that considered historic data and water storage capacity of the dams on the Columbia River (COE 1969), the U.S. DOE Department of Energy (RLO-76-4) has estimated the probable maximum flood (Figure 2.78). The estimated probable maximum flood would have a larger floodplain than either the 100- or the 500-year floods.					
The 100-year floodplain for the Yakima River, as determined by the Federal Emergency Management Agency (FEMA 1980), is shown in Figure 2.89.					
The only other potential source of flooding of the Hanford Facility is run-off from a large precipitation event in the Cold Creek watershed. This event could result in flooding of the ephemeral Cold Creek. PNL (PNL 4219) has given an estimate of the probable maximum flood using conservative values of precipitation, infiltration, surface roughness, and topographic features. The 100-year flood is less than the probable maximum flood as shown in Figures 2.78 and 2.89.					
The location of individual 'operating' TSD units with respect to the identified floodplains is addressed in the unit-specific documentation portion. A map showing the location of all surface water intake and discharge structures for the Hanford Facility is provided in DOE/RL 91-28, Appendix 2A. In addition, this map shows the location of all potable and industrial groundwater wells that support the Hanford Facility.					
<i>Denied</i>					
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: <i>R. H. Gurske</i>		Reviewed by RL Program Office: <i>M. J. Hebdon 3-29-04</i>		Reviewed by Ecology:	
R. H. Gurske	Date	for J. B. Hebdon	Date	G. P. Davis	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: List of Attachments	Permit Part & Chapter: Attachment 33, General Information Portion
--	--

Description of Modification:

Chapter 2.0, §2.3: Remove and replace Chapter 2.0 with attached Chapter 2.0.

2.3 SEISMIC CONSIDERATION [B-3]

The Hanford Facility is located in Zone 2B as identified in the *Uniform Building Code* (ICBO 1991). For a proposed TSD unit or an expansion of an existing unit, a demonstration that the unit is designed to withstand the maximum horizontal acceleration of the "design earthquake" for Zone 2B will be made in the unit-specific documentation ~~Portion~~.

No active faults, or evidence of a fault that has had displacement during Holocene times, have been found on the Hanford Facility (~~DOE/RW-0164~~). The youngest faults recognized on the Hanford Facility occur on Gable Mountain, approximately 1.6 kilometers north of the 200 East Area, and 7.2 kilometers northeast of the 200 West Area. These faults are of Quaternary age and are considered 'capable' by the U.S. Nuclear Regulatory Commission (~~NUREG-0892~~).

Denied

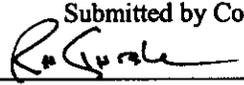
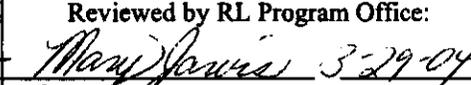
Modification Class: ¹²³	Class 1	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:	X			

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:
 R. H. Gurske	 for J. B. Hebdon	G. P. Davis
Date	Date	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: List of Attachments	Permit Part & Chapter: Attachment 33, General Information Portion
-------------------------------------	---

Description of Modification:

Chapter 2.0, §2.4: Remove and replace Chapter 2.0 with attached Chapter 2.0.

2.4 TRAFFIC INFORMATION [B-4]

The regional public highway network traversing the Hanford Site (Washington State Highways 24 and 240), nonrestricted access roadways (Route 10, and portions of Route 4S located south of the Wye Barricade), and restricted access roadways are shown in Figure 2.910.

Roadways east of the Yakima Barricade and north of the Wye Barricade, and within the 300 and 400 Areas, are restricted to authorized personnel only. Other U.S. ~~DOE~~Department of Energy roadways are subject to such restrictions or closure as the U.S. ~~DOE~~Department of Energy might require.

2.4.1 Hanford Site Roadways

Figure 2.910 shows the major roads throughout the Hanford Site. These roads are classified as either primary or secondary routes. The primary routes include Routes 4S, 10, 2S, 3, 6, and 11A, as well as various avenues within each area. The primary routes are constructed of bituminous asphalt (usually 5-centimeters thick, but the thickness of the asphalt layer will vary with each road) with an underlying aggregate base in accordance with U.S. Department of Transportation requirements. The secondary routes are constructed of layers of an oil and rock mixture with an underlying aggregate base. The aggregate base consists of various types and sizes of rock found onsite. The present load-bearing capacities of these roads are unknown; however, loads as large as 9.8 kilograms per square centimeter have been transported without observable damage to road surfaces. All roads originally were constructed to meet the requirements for the American Association of State Highway and Transportation Officials HS-20-44 load rating (AASHTO 1983). An HS-20-44 loading represents a two-axle tractor (front axle loading of 3,630 kilograms and rear axle loading of 14,500 kilograms) plus a single-axle trailer with a 14,500-kilogram axle loading.

2.4.2 Traffic Control Signs, Signals, and Procedures

Standard traffic control signs are used throughout the Hanford Site (e.g., octagonal stop signs, triangular yield signs). Speed limits are posted throughout the Hanford Site, and the maximum-posted speed is 88 kilometers per hour on major thoroughfares. Inside the various areas, posted speeds are reduced to a maximum of 56 kilometers per hour and held to speeds as low as 24 kilometers per hour.

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>	Reviewed by RL Program Office: <i>for J. B. Hebdon</i>	Reviewed by Ecology: <i>G. P. Davis</i>
Date: <i>02-04</i>	Date: <i>3-29-04</i>	Date: <i>3-3-05</i>

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: List of Attachments	Permit Part & Chapter: Attachment 33, General Information Portion
-------------------------------------	---

Description of Modification:

Chapter 2.0, Figure 2.6: Remove and replace Chapter 2.0 with attached Chapter 2.0.

Added *OFFICIAL USE ONLY* to figure.

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

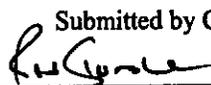
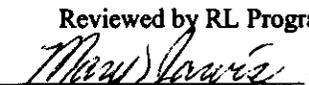
Submitted by Co-Operator:	Reviewed by RL Program Office:	Reviewed by Ecology:	
<i>R. H. Gurske</i> R. H. Gurske	<i>Mary Jane</i> for J. B. Hebdon	<i>G. P. Davis</i> G. P. Davis	
Date	Date	Date	
Feb 04	3-29-04	3-3-05	

¹Class 1 modifications requiring prior Agency approval.

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Hanford Facility RCRA Permit Modification Notification Form

Unit: List of Attachments	Permit Part & Chapter: Attachment 33, General Information Portion								
Description of Modification: Chapter 6.0, §6.1: Remove and replace Chapter 6.0 with attached Chapter 6.0.									
6.1 SECURITY [F-1] The following sections describe the security measures, equipment, and warning signs used to control entry to the Hanford Facility and to meet <u>Permit Condition II.M. of the HF RCRA Permit (DW Portion)</u> . Security information for individual TSD units is provided in the unit-specific <u>Portion of this permit application or, if appropriate, in unit-specific preclosure work plan, closure work plan, closure plan, closure/postclosure plan, or postclosure permit application documentation.</u>									
Modification Class: ^{12 3} Please check one of the Classes:	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Class 1</td> <td style="width: 25%;">Class ¹1</td> <td style="width: 25%;">Class 2</td> <td style="width: 25%;">Class 3</td> </tr> <tr> <td style="text-align: center;">X</td> <td></td> <td></td> <td></td> </tr> </table>	Class 1	Class ¹ 1	Class 2	Class 3	X			
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	Reviewed by RL Program Office:  for J. B. Hebdon	Reviewed by Ecology:  G. P. Davis							
Date	Date	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: List of Attachments	Permit Part & Chapter: Attachment 33, General Information Portion			
<p><u>Description of Modification:</u> Chapter 6.0, §6.1.1: Remove and replace Chapter 6.0 with attached Chapter 6.0. <i>Wenick</i></p> <p>6.1.1 Security Procedures and Equipment [F-1a]</p> <p>This section describes the 24-hour surveillance system, warning signs, and barriers used to provide security and control access to the Hanford Facility. WAC 173-303-310(2)(b), a 24-hour surveillance system, or WAC 173-303-310(2)(c), artificial or natural barriers, are met at the Hanford Facility level and are not the responsibility of the TSD unit. 'Final status Operating' TSD units contained in Part III of the HF RCRA Permit (DW Portion) may be required to comply with requirements in WAC 173-303-310(2)(c) based on established Part III Permit Conditions. A 24-hour surveillance system, warning signs, and artificial and natural barriers are used to provide security and control access to the Hanford Facility. The entire Hanford Facility is a controlled access area. The Hanford Facility maintains around-the-clock surveillance for protection of government property, classified information, and special nuclear materials. The Hanford Patrol maintains a continuous presence of protective force personnel to provide additional security.</p> <p>The majority of TSD units are located within, or near, the 200 Areas (refer to Hanford Facility Part A, DOE/RL-88-21 Chapter 1.0, Table 1-1, Appendix 2A). Vehicular access to roads leading to these areas is through controlled access points at the Yakima, Wye, and Rattlesnake Barricades (Refer to DOE/RL-91-28, Figure 2.9 and Appendix 2A, Location Maps Drawing H-6-958 in Appendix 2A), which are posted with restrictive signage. Perimeter fences, restrictive signage, and random protective force patrols are used to control access to the 300 Area. All personnel accessing locations on the Hanford Site (except for publicly accessible locations) must possess and display a U.S. DOE Department of Energy issued security identification badge indicating the appropriate authorization. All personnel entering or exiting the Hanford Site are subject to random security badge inspections by protective force personnel to validate access authorization. All vehicles and hand-carried items entering or exiting the Hanford Site are subject to random <u>security badge inspections and searches</u> by protective force personnel to <u>validate access authorization and preclude the unauthorized introduction of prohibited/controlled articles, or the unauthorized removal of government or contractor assets.</u> Additional means to bar entry or control access (e.g., fences, locked entry doors) are discussed in unit-specific the Unit Specific Portion of this permit application or, if appropriate, in unit-specific pre-closure work plan, closure work plan, closure plan, closure/postclosure plan, or postclosure permit application documentation.</p> <p>'Final status Operating' TSD units in Part III of the HF RCRA Permit (DW Portion) must comply with the requirements found in WAC 173-303-310(2)(a) regarding the placement of signs. Security information for <u>'final status operating'</u> TSD units regarding the placement of signs is provided in the unit-specific <u>documentation portion of this permit application.</u> Security information for non-operating TSD units incorporated into Part III, Part V, or Part VI of the HF RCRA Permit (DW Portion) regarding the placement of signs are is determined on a case-by-case basis. Security information for non-operating TSD units may be documented in unit-specific pre-closure work plan, closure work plan, closure plan, closure/postclosure plan, or postclosure permit application documentation, as appropriate.</p> <p>Signs are, or will be, posted at area boundaries within the Hanford Site stating NO TRESPASSING. SECURITY BADGES REQUIRED BEYOND THIS POINT. AUTHORIZED VEHICLES ONLY. PUBLIC ACCESS PROHIBITED (or an equivalent legend). In addition, warning signs stating DANGER--UNAUTHORIZED PERSONNEL KEEP OUT (or an equivalent legend) are, or will be, posted at <u>'final status operating'</u> TSD units or at active portions of operating TSD units within the Hanford Facility. These signs are, or will be, written in English, legible from a distance of 7.6 meters, and visible from all angles of approach.</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: <i>R. H. Gurske</i>	Reviewed by RL Program Office: <i>for J.B. Hebdon</i>	Reviewed by Ecology: <i>G. P. Davis</i>		
R. H. Gurske	Date	Date	G. P. Davis	Date

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Hanford Facility RCRA Permit Modification Notification Form

Unit:
List of Attachments

Permit Part & Chapter:
Attachment 33, General Information Portion

Description of Modification:

Chapter 8.0, §8.0: Remove and replace Chapter 8.0 with attached Chapter 8.0.

8.0 PERSONNEL TRAINING [H]

This chapter addresses the provisions identified in Section H of Ecology's permit application guidance (Ecology 1987 and 1996). This chapter focuses on a description of the training programs implemented to meet the requirements of Hanford Facility RCRA Permit (Permit) Condition II.C. (Personnel Training) of the HF RCRA Permit (DW Portion).

This chapter discusses personnel training requirements based on WAC 173-303 and the HF RCRA Permit (DW Portion). In accordance with WAC 173-303-806(4)(a)(xii), the Hanford Facility Dangerous Waste Part B Permit Applications must contain two items: (1) *an outline of both the introductory and continuing training programs by owners or operators to prepare persons to operate or maintain the TSD facility in a safe manner as required to demonstrate compliance with WAC 173-303-330* and (2) *a brief description of how training will be designed to meet actual job tasks in accordance with the requirements in WAC 173-303-330(1)(d)*. The HF RCRA Permit, (DW portion) Condition II.C (Personnel Training) contains training requirements applicable to Hanford Facility personnel and non-Facility personnel.

The general facility training information contained in this chapter need not be duplicated in the unit-specific documentation ~~Portion of the Hanford Facility Dangerous Waste Permit Application~~, but could be cross-referenced, as appropriate. Pertinent information also can be cross-referenced, if appropriate, in ~~preclosure work plan, closure work plan, closure plan, closure/postclosure plan, or postclosure permit application unit-specific~~ documentation. In other cases, unit-specific training documentation could be contained in the Hanford Facility operating record or not required at all based on the appropriateness of such requirements at units 'undergoing closure', or units being 'disposed through other options'.

Amend

Modification Class: ¹²³

Please check one of the Classes:

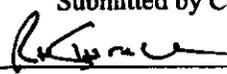
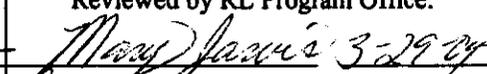
Class 1	Class ¹ 1	Class 2	Class 3
X			

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

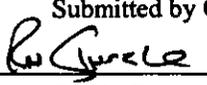
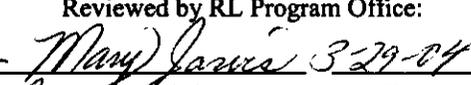
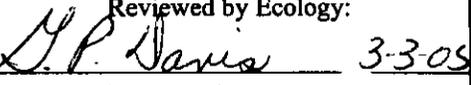
Submitted by Co-Operator:  R. H. Gurske		Reviewed by RL Program Office:  for J. B. Hebdon		Reviewed by Ecology: G. P. Davis	
Date		Date		Date	

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Hanford Facility RCRA Permit Modification Notification Form

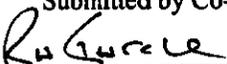
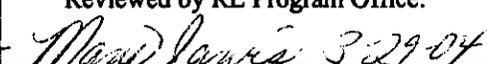
Unit: List of Attachments	Permit Part & Chapter: Attachment 33, General Information Portion								
Description of Modification: Chapter 8.0, §8.1.1: Remove and replace Chapter 8.0 with attached Chapter 8.0.									
8.1.1 Introductory Training Introductory training includes general Hanford Facility training and TSD unit-specific training. General Hanford Facility training is described in DOE/RL-91-28, Section 58.1, and is provided in accordance with the HF RCRA Permit (DW Portion) , Condition II.C.2. TSD unit-specific training is provided to Hanford Facility personnel allowing those personnel to work unescorted, and in some cases, is required for escorted access. Hanford Facility personnel cannot perform a task for which they are not properly trained, except to gain required experience while under the direct supervision of a supervisor or coworker who is properly trained. Hanford Facility personnel must be trained within 6 months after their employment at or assignment to the Hanford Facility, or to a new job title/position at the Hanford Facility, whichever is later. <u>General Hanford Facility Training: Permit Condition II.C.2. of the HF RCRA Permit (DW Portion)</u> requires Hanford Facility personnel to receive general facility training within 6 months of hire. This training provides an orientation on dangerous waste management activities being conducted on the Hanford Facility and includes the following: <ul style="list-style-type: none"> • Description of emergency signals and appropriate personnel response • Identification of contacts for information regarding dangerous waste management activities • Introduction to waste minimization concepts • Identification of contact(s) for emergencies involving dangerous waste • Familiarization with the applicable portions of the <i>Hanford Emergency Management Plan</i> (<u>Permit Attachment 4 of the HF RCRA Permit (DW Portion)</u>). Each Permittee has access to a general facility training module that meets the requirements listed for <u>Permit Condition II.C.2. of the HF RCRA Permit (DW Portion)</u> . <u>Permit Condition II.C.4. of the HF RCRA Permit (DW Portion)</u> requires the Permittees to provide the necessary training to non-Facility personnel (i.e., visitors, subcontractors) as appropriate for the locations and activities undertaken. At a minimum, this training describes dangerous waste management hazards on the Hanford Facility. <u>Contingency Plan training:</u> Hanford Facility personnel receive training on applicable portions of the <i>Hanford Emergency Management Plan</i> (<u>Permit Attachment 4 of the HF RCRA Permit (DW Portion)</u>) in general Hanford Facility training. In addition, Hanford Facility personnel receive training on content of the description of actions contained in contingency plan documentation in DOE/RL-91-28, Chapter 7.0 and Appendix 7A and applicable unit-specific documentation to be able to effectively respond to emergencies. <u>Emergency Coordinator training:</u> Hanford Facility personnel who perform emergency coordinator duties in WAC 173-303-360 (e.g., Building Emergency Director) in the Hanford Incident Command System receive training on implementation of the contingency plan and fulfilling the position within the Hanford Incident Command System. These Hanford Facility personnel must also become thoroughly familiar with applicable contingency plan documentation, operations, activities, location, and properties of all waste handled, location of all records, and the unit/building layout. <u>Operations training:</u> Dangerous waste management operations training (e.g., waste designation training, shippers training) is determined on a unit-by-unit basis and shall consider the type of waste management unit (e.g., container management unit) and the type of activities performed at the waste management unit (e.g., sampling). For example, training provided for management of dangerous waste in containers is different than the training provided for management of dangerous waste in a tank system. Common training required for compliance within similar waste management units can be provided in general training and supplemented at the TSD unit. Training provided for TSD unit-specific operations is identified in the training plan documentation based on: (1) whether a general training course exists, (2) the training needs to ensure waste management unit compliance with WAC 173-303, and (3) training commitments agreed to with Ecology.									
Modification Class: ¹²³	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Class 1</td> <td style="width: 25%;">Class ¹1</td> <td style="width: 25%;">Class 2</td> <td style="width: 25%;">Class 3</td> </tr> <tr> <td style="text-align: center;">X</td> <td></td> <td></td> <td></td> </tr> </table>	Class 1	Class ¹ 1	Class 2	Class 3	X			
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:  R. H. Gurske	Reviewed by RL Program Office:  For J. B. Hebdon	Reviewed by Ecology:  G. P. Davis							
Date	Date	Date							

¹Class 1 modifications requiring prior Agency approval.

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Hanford Facility RCRA Permit Modification Notification Form

Unit: List of Attachments	Permit Part & Chapter: Attachment 33, General Information Portion			
<u>Description of Modification:</u> Chapter 8.0, §8.3: Remove and replace Chapter 8.0 with attached Chapter 8.0.				
8.3 TREATMENT, STORAGE, AND/OR DISPOSAL UNIT-SPECIFIC TRAINING				
In accordance with HF RCRA Permit (DW Portion) , Condition II.C.3, the unit-specific documentation portion of this permit application or, if appropriate, in pre-closure work plan, closure work plan, closure plan, closure/postclosure plan, or postclosure permit application documentation contains a description of the training plan. The training plan ensures that personnel training is conducted as required by WAC 173-303-330, as specified in Permit Condition II.C.1 of the HF RCRA Permit (DW Portion) . The training plan contributes to the assurance that TSD units are operated and maintained in accordance with requirements of the EPA, Ecology, and DOE-RL.				
Training plan documentation is maintained outside of the Hanford Facility Dangerous Waste Part B Permit Application and the HF RCRA Permit . Therefore, changes made to the training plan documentation are not subject to the HF RCRA Permit modification process . However, the training plan documentation is prepared to comply with WAC 173-303-330(2).				
Documentation prepared to meet the training plan consists of hard copy and/or electronic media as provided by HF RCRA Permit (DW Portion) , Condition II.C.1. The training plan documentation consists of one or more documents and/or a training database with all the components identified in the core document.				
The Hanford Site contractors are responsible for developing and administering the courses required by the training programs, and for establishing formal retraining dates for these courses. The TSD unit management is responsible for identifying TSD unit- and job-specific training requirements for TSD unit personnel and for ensuring personnel complete the appropriate training.				
In administering certain training courses, a retraining date could be set by TSD unit management. The formal retraining date is a date (day/month/year) counting from the most recent initial training date or another baseline date established for the training. The formal retraining date remains the same each year regardless of when retraining is completed. Retraining is to occur within 30 days of the formal retraining date. While it is preferable to complete retraining within the 30 days before the formal retraining date, managers have the ability to authorize personnel for 30 days beyond the formal retraining date, thus allowing a 60-day window in which to satisfy the retraining requirements.				
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:  R. H. Gurske	Date pfe04	Reviewed by RL Program Office:  For J. B. Hebdon	Date 3-29-04	Reviewed by Ecology:  G. P. Davis
	Date		Date	Date 3-3-05

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Hanford Facility RCRA Permit Modification Notification Form

Unit: List of Attachments	Permit Part & Chapter: Attachment 33, General Information Portion
-------------------------------------	---

Description of Modification:

Chapter 8.0, §8.4: Remove and replace Chapter 8.0 with attached Chapter 8.0.

8.4 TRAINING RECORDS

As specified in Permit Condition II.C.1. ~~of the HF RCRA Permit (DW Portion)~~, each Hanford Facility Permittee maintains documentation in accordance with WAC 173-303-330(2) and (3). Training records could be maintained in hard copy form or by using electronic data storage. At a minimum, training records will consist of course attendance rosters correlating the training received with the personnel who were in attendance. Training records are maintained in accordance with the requirements of the *Privacy Act of 1974*. Training records for personnel are available for inspection purposes through 59 FR 17091, which gives federal, state, and local government officers 'routine use' access to training records where a regulatory program being implemented is applicable to a DOE or contractor program. ~~Further discussion of the maintenance of Hanford Facility and TSD unit specific personnel training records is included in Chapter 12.0, Section 12.1.20.~~

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>Mary Jarvis 3-29-04</i>	Reviewed by Ecology: <i>G. P. Davis</i>
R. H. Gurske Date	for J.B. Hebdon Date	G. P. Davis 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: List of Attachments	Permit Part & Chapter: Attachment 33, General Information Portion			
<u>Description of Modification:</u> Chapter 8.0, §8.5: Remove and replace Chapter 8.0 with attached Chapter 8.0.				
8.5 TRAINING DIRECTOR				
<p>One person does not function as the training director on the Hanford Facility. A TSD unit manager has overall responsibility for all training required by WAC 173-303-330 and Permit Condition II.C. of the HF RCRA Permit (DW Portion) at the TSD unit under this manager's control. To meet requirements of a training director in WAC 173-303-330(1)(a), the position is shared among TSD unit personnel, central training organization personnel, and other support organization personnel. A TSD unit manager can access training resources and experts from many different areas on a variety of subject matters rather than relying on the knowledge of a limited number of persons. This shared responsibility ensures the identification of the appropriate training requirements and that the Hanford Facility dangerous waste training programs for each Permittee meet all applicable dangerous waste management requirements.</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: <i>R. H. Gurske</i>	Reviewed by RL Program Office: <i>Mary Lewis 3-29-04</i> for J. B. Heddon	Reviewed by Ecology: <i>G. P. Davis 3-3-05</i>		
R. H. Gurske	Date	G. P. Davis	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: List of Attachments	Permit Part & Chapter: Attachment 33, General Information Portion
--	--

Description of Modification:

Chapter 12.0, Table 12.1, I.C.3: Remove and replace Chapter 12.0 with attached Chapter 12.0.

Table 12.1. Reports and Records.

HF-RCRA-Permit Condition ¹	Records and/or Reports (Chapter 12.0 section containing description)		Hanford Facility Operating Record		Type of submittal		
			General Information File ²	Unit-Specific File ³	Verbal ^{4,2}	Transmittal letter ⁵ (not certified)	Certified package
I.C.3	Quarterly Notification of Class 1 Modification notification (12.1.1)	Unit		✓		✓	
		Facility	✓				
	Class 2 modifications with or without temporary authorization (12.1.1)	Unit		✓		✓	
		Facility	✓				
	Class 3 modifications with or without temporary authorization (12.1.1)	Unit		✓		✓	
		Facility	✓				

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> <i>12/20/04</i>	Reviewed by RL Program Office: <i>Mary Lewis</i> <i>3-28-04</i>	Reviewed by Ecology: <i>G. P. Davis</i> <i>3-3-05</i>
R. H. Gurske Date	<i>J. B. Hebdon</i> Date	G. P. Davis 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: List of Attachments	Permit Part & Chapter: Attachment 33, General Information Portion
--	--

Description of Modification:

Chapter 12.0, Table 12.1, I.E.12.i: Remove and replace Chapter 12.0 with attached Chapter 12.0.

Table 12.1. Reports and Records.

Permit Condition ¹	Records and/or Reports (Chapter 12.0 section containing description)	Unit	Hanford Facility Operating Record		Type of submittal		
			General Information File	Unit-Specific File	Verbal ²	Transmittal letter (not certified)	Certified package
I.E.12.i	Certification of construction or modifications (12.1.4)	Unit		✓			✓ ^{2B}

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:
<i>R. H. Gurske</i> R. H. Gurske	<i>Mary James 3-29-04</i> for J. B. Hebdon	<i>J. P. Davis 3-3-05</i> G. P. Davis
Date	Date	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: List of Attachments	Permit Part & Chapter: Attachment 33, General Information Portion
--	--

Description of Modification:

Chapter 12.0, Table 12.1, II.I.1.d and I.E.18: Remove and replace Chapter 12.0 with attached Chapter 12.0.

Table 12.1. Reports and Records.

Permit Condition ¹	Records and/or Reports (Chapter 12.0 section containing description)	Hanford Facility Operating Record		Type of submittal		
		General Information File	Unit-Specific File	Verbal ²	Transmittal letter (not certified)	Certified package
II I d I.E.18	Unmanifested waste reports (12.1.18)	Unit	✓		✓ ^{4,9}	
		Facility	✓			

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. Gurske</i> 19 Feb 04	Reviewed by RL Program Office: <i>Mary Jarvie</i> 3-27-04 for J.B. Hebdon	Reviewed by Ecology: <i>G.P. Davis</i> 3-3-05
R. H. Gurske Date	Date	G. P. Davis 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: List of Attachments	Permit Part & Chapter: Attachment 33, General Information Portion
--	--

Description of Modification:

Chapter 12.0, Table 12.1, II.I.1.e, and II.A: Remove and replace Chapter 12.0 with attached Chapter 12.0.

Table 12.1. Reports and Records.

Permit Condition ¹	Records and/or Reports (Chapter 12.0 section containing description)		Hanford Facility Operating Record		Type of submittal		
			General Information File	Unit-Specific File	Verbal ²	Transmittal letter (not certified)	Certified package
II.I.1.e II.A (all)	Hanford Emergency Management Plan and incident records (12.1.19)	Unit			✓	✓	✓ ⁶ (II.A.1. only)

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:
<i>RH Gurske</i> <i>pfeloa</i>	<i>Mary Jane</i> <i>3-29-04</i>	<i>G.P. Davis</i> <i>3-3-05</i>
R. H. Gurske Date	for J. B. Hebdon Date	G. P. Davis 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: List of Attachments	Permit Part & Chapter: Attachment 33, General Information Portion
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Description of Modification:

Chapter 12.0, Table 12.1, I.E.19: Remove and replace Chapter 12.0 with attached Chapter 12.0.

Table 12.1. Reports and Records.

Permit Condition ¹	Records and/or Reports (Chapter 12.0 section containing description)	Hanford Facility Operating Record		Type of submittal		
		General Information File	Unit-Specific File	Verbal ²	Transmittal letter (not certified)	Certified package
I.E.19	Annual Noncompliance Report (12.1.25)	Facility	✓		✓	

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:
<i>R. H. Gurske</i>	<i>Mary Jane</i> 3-29-04	<i>G. P. Davis</i> 3-3-05
R. H. Gurske	for J. B. Heddon	G. P. Davis
Date	Date	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: List of Attachments	Permit Part & Chapter: Attachment 33, General Information Portion
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Description of Modification:

Chapter 12.0, Table 12.1, I.E.22: Remove and replace Chapter 12.0 with attached Chapter 12.0.

Table 12.1. Reports and Records.

Permit Condition ¹	Records and/or Reports (Chapter 12.0 section containing description)		Hanford Facility Operating Record		Type of submittal		
			General Information File	Unit-Specific File	Verbal ²	Transmittal letter (not certified)	Certified package
I.E.22	Annual Dangerous Waste Report (12.1.25)	Facility	✓				✓ ⁵⁶
	Annual Hanford Site Environmental Permitting Status Report						

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>	Reviewed by RL Program Office: <i>Mary Jarvie 3-29-04</i>	Reviewed by Ecology: <i>G. P. Davis 3-3-05</i>
R. H. Gurske	Date <i>for J. B. Hebdon</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: List of Attachments	Permit Part & Chapter: Attachment 33, General Information Portion
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Description of Modification:

Chapter 12.0, Table 12.1, II.S and II.G (HSWA): Remove and replace Chapter 12.0 with attached Chapter 12.0.

Table 12.1. Reports and Records.

Permit Condition ¹	Records and/or Reports (Chapter 12.0 section containing description)	Hanford Facility Operating Record		Type of submittal		
		General Information File	Unit-Specific File	Verbal ²	Transmittal letter (not certified)	Certified package
II.S II.G (HSWA Portion)	Annual Land Disposal Restrictions Report				✓	

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:
<i>R. H. Gurske</i> R. H. Gurske	<i>Mary Jarvis</i> for J. B. Hebdon	<i>G. P. Davis</i> G. P. Davis
Date	Date	Date
<i>7/26/04</i>	<i>3-29-04</i>	<i>3/30</i>

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: List of Attachments	Permit Part & Chapter: Attachment 33, General Information Portion
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Description of Modification:

Chapter 12.0, Table 12.1, II.F: Remove and replace Chapter 12.0 with attached Chapter 12.0.

Table 12.1. Reports and Records.

Permit Condition ¹	Records and/or Reports (Chapter 12.0 section containing description)	Hanford Facility Operating Record		Type of submittal		
		General Information File	Unit-Specific File	Verbal ²	Transmittal letter (not certified)	Certified package
II F 2-a	Groundwater monitoring records (12.1.26, 12.1.34)	Unit	✓		✓	
II F 2-e		Facility	✓			

Denied

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:
<i>R. H. Gurske</i> <i>19 Feb 04</i>	<i>Mary Jane</i> <i>3-29-04</i>	
R. H. Gurske Date	<i>P.O. J. B. Hebdon</i> Date	G. P. Davis 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: List of Attachments	Permit Part & Chapter: Attachment 33, General Information Portion
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Description of Modification:

Chapter 12.0, Table 12.1, II.I.1.p: Remove and replace Chapter 12.0 with attached Chapter 12.0.

Table 12.1. Reports and Records.

Permit Condition ¹	Records and/or Reports (Chapter 12.0 section containing description)		Hanford Facility Operating Record		Type of submittal		
			General Information File	Unit-Specific File	Verbal ²	Transmittal letter (not certified)	Certified package
II.I.1.p	Groundwater corrective action (12.1.27)	Unit Facility	✓	✓		✓	

Denied

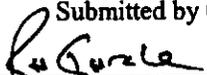
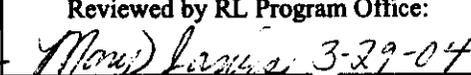
Modification Class: ¹²³	Class 1	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:	X			

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:
 R. H. Gurske	 for J. B. Hebdon	G. P. Davis
Date	Date	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: List of Attachments	Permit Part & Chapter: Attachment 33, General Information Portion
---	---

Description of Modification:

Chapter 12.0, Table 12.1, II.I.2: Remove and replace Chapter 12.0 with attached Chapter 12.0.

Table 12.1. Reports and Records.

Permit Condition ¹	Records and/or Reports (Chapter 12.0 section containing description)	Hanford Facility Operating Record		Type of submittal		
		General Information File	Unit-Specific File	Verbal ²	Transmittal letter (not certified)	Certified package
II.I.2	Facility	✓				

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:	Reviewed by RL Program Office:	Reviewed by Ecology:
<i>R. H. Gurske</i>	<i>Mary J. Harris</i>	<i>G. P. Davis</i>
R. H. Gurske	for J. B. Hebdon	G. P. Davis
Date	Date	Date

¹Class 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:

Permit Part & Chapter:

List of Attachments

Attachment 33, General Information Portion

Description of Modification:

Chapter 12.0, Table 12.1, I.I.S: Remove and replace Chapter 12.0 with attached Chapter 12.0.

Table 12.1. Reports and Records.

Permit Condition ¹	Records and/or Reports (Chapter 12.0 section containing description)		Hanford Facility Operating Record		Type of submittal		
			General Information File	Unit-Specific File	Verbal ²	Transmittal letter (not certified)	Certified package
I.I.S I.I.G (HSWA Portion)	Land disposal restrictions records (12.1.389)	Unit		✓		✓	

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

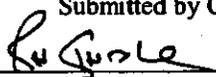
A. General Permit Provisions

1. Administrative and informational changes

Submitted by Co-Operator:

Reviewed by RL Program Office:

Reviewed by Ecology:



R. H. Gurske



Date

 3-29-04

for B. Hebdon

Date



G. P. Davis

3-3-05

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: List of Attachments	Permit Part & Chapter: Attachment 33, General Information Portion
--	--

Description of Modification:

Chapter 12.0, Table 12.1, II.W.1: Remove and replace Chapter 12.0 with attached Chapter 12.0.

Table 12.1. Reports and Records.

Permit Condition ¹	Records and/or Reports (Chapter 12.0 section containing description)	Hanford Facility Operating Record		Type of submittal		
		General Information File	Unit-Specific File	Verbal ²	Transmittal letter (not certified)	Certified package
II.W.1	Other permit compliance documentation (12.1.40+)	Unit	✓			
		Facility	✓			
	<u>Annual Hanford Site Environmental Permitting Status Report</u>	Facility	✓			

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> 19 Feb 04	Reviewed by RL Program Office: <i>Mary Jane</i> 3-29-04 for J. B. Hebdon	Reviewed by Ecology: <i>G. P. Davis</i> 3-3-05
R. H. Gurske	Date	G. P. Davis
	Date	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:
List of Attachments**

**Permit Part & Chapter:
Attachment 33, General Information Portion**

Description of Modification:

Chapter 12.0, Table 12.1, 40 CFR 264.73(B)(9): Remove and replace Chapter 12.0 with attached Chapter 12.0.

Table 12.1. Reports and Records.

Permit Condition ¹	Records and/or Reports (Chapter 12.0 section containing description)		Hanford Facility Operating Record		Type of submittal		
			General Information File	Unit-Specific File	Verbal ²	Transmittal letter (not certified)	Certified package
40 CFR 264.73(B)(9) H.F. (HSWA Portion)	Waste minimization/pollution prevention(12.1.423)	Unit		✓			

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>Maryanna 3-29-04</i>	Reviewed by Ecology: <i>G. P. Davis 3-3-05</i>
R. H. Gurske	for J. B. Hebdon	G. P. Davis
Date	Date	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:
List of Attachments

Permit Part & Chapter:
Attachment 33, General Information Portion

Description of Modification:

Chapter 12.0, Table 12.1 II.Y.2.a.iv, and II.Y.2.b.iv: Remove and replace Chapter 12.0 with attached Chapter 12.0.

Table 12.1. Reports and Records.

Permit Condition ¹	Records and/or Reports (Chapter 12.0 section containing description)	Hanford Facility Operating Record		Type of submittal		
		General Information File	Unit-Specific File	Verbal ²	Transmittal letter (not certified)	Certified package
II.Y.2.a.iv II.Y.2.b.iv	<u>Corrective Action (12.1.43)</u> <u>Unit</u>		✓			

Modification Class: ¹²³

Please check one of the Classes:

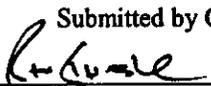
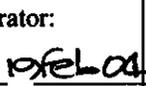
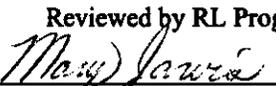
Class 1	Class ¹ 1	Class 2	Class 3
X			

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:	
			3-29-04		3-3-05
R. H. Gurske	Date	J. B. Hebdon	Date	G. P. Davis	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: List of Attachments	Permit Part & Chapter: Attachment 33, General Information Portion
--	--

Description of Modification:

Chapter 12.0, Table 12.1, II.Y.3.B: Remove and replace Chapter 12.0 with attached Chapter 12.0.

Table 12.1. Reports and Records.

Permit Condition ¹	Records and/or Reports (Chapter 12.0 section containing description)		Hanford Facility Operating Record		Type of submittal		
			General Information File	Unit-Specific File	Verbal ²	Transmittal letter (not certified)	Certified package
<u>II.Y.3.b</u>	<u>Solid Waste Management</u> <u>Unit notification (12.1.43)</u>	<u>Unit</u>		✓	✓	✓	

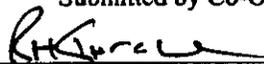
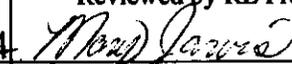
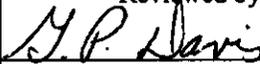
Modification Class: ¹²³	Class 1	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:	X			

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:  R. H. Gurske	Reviewed by RL Program Office:  J. B. Hebdon	Reviewed by Ecology:  G. P. Davis
Date	Date	Date
3-29-04	3-29-04	3-3-05

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.

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Hanford Facility RCRA Permit Modification Notification Form

Unit: List of Attachments	Permit Part & Chapter: Attachment 33, General Information Portion								
Description of Modification: Chapter 12.0, Table 12.1, Endnote: Remove and replace Chapter 12.0 with attached Chapter 12.0.									
¹ HF RCRA Permit (DW Portion) Condition, unless otherwise noted. ² Hanford Facility Operating Record, General Information file. ³ Hanford Facility Operating Record, Unit Specific file. ⁵ Not certified; submittal by transmittal letter. ⁷ Miscellaneous support records and reports. ²⁴ Verbal reporting in accordance with time frames noted in the specified conditions. ³⁸ Certified by a registered professional engineer [e.g., in accordance with WAC 173-303-810(14)(a)(i)] (refer to Attachment 33, Chapter 4.0, Section 4.13.4)} ⁴⁹ Certification in accordance with Specific language preprinted on Washington State Department of Ecology's TSD Facility Unmanifested Dangerous Waste Report, Form 6, provides certification in accordance with WAC 173-303-390(1) and WAC 173-303-390(1)(f). ⁵⁶ Certified by Permittees in accordance with WAC 173-303-810(12). ⁶¹⁰ Certified by a registered professional engineer [e.g., in accordance with WAC 173-303-610(6) or WAC 173-303-610(11)]									
Modification Class: ¹²³ Please check one of the Classes:	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Class 1</td> <td style="width: 25%;">Class ¹1</td> <td style="width: 25%;">Class 2</td> <td style="width: 25%;">Class 3</td> </tr> <tr> <td style="text-align: center;">X</td> <td></td> <td></td> <td></td> </tr> </table>	Class 1	Class ¹ 1	Class 2	Class 3	X			
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> R. H. Gurske	Reviewed by RL Program Office: <i>Mary Jarvis 3-29-04</i> for J. B. Hebdon	Reviewed by Ecology: <i>G. P. Davis 3-3-05</i> G. P. Davis							
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.

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Hanford Facility RCRA Permit Modification Notification Form

Unit: List of Attachments	Permit Part & Chapter: Attachment 33, General Information Portion
-------------------------------------	---

Description of Modification:

Chapter 12.0, Table 12.1, Endnote 7: Remove and replace Chapter 12.0 with attached Chapter 12.0.

Deleted endnote 7, Miscellaneous support records and reports from Table 12.1 for the following sections: §I.E.11, §I.E.12.i, §I.E.13, §I.E.14, §II.L.1.r, §II.J.1, §II.J.3, §II.K.6, §II.L.2.d, §II.N.2/§II.N.3, §II.W.1, and §II.X.1

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>	Reviewed by RL Program Office: <i>Mary Jarvie 3-29-04</i>	Reviewed by Ecology: <i>M. P. Davis 3-3-05</i>
R. H. Gurske Date	for J. B. Hebdon Date	G. P. Davis 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: List of Attachments	Permit Part & Chapter: Attachment 33, General Information Portion
-------------------------------------	---

Description of Modification:

Appendix 2A: Remove and replace Appendix 2A with attached Appendix 2A.
Updated maps.

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>	Reviewed by RL Program Office: <i>for J.B. Heddon</i>	Reviewed by Ecology: <i>G. P. Davis</i>
Date <i>3-29-04</i>	Date <i>3-29-04</i>	Date <i>3-3-05</i>

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 Forms
Part III, Chapter 4 and Attachment 34
Liquid Effluent Retention Facility and 200 Area Effluent Treatment Facility

February 2004

Page 1 of 4

Index

Page 2 of 4: Hanford Facility RCRA Permit, III.4
Page 3 of 4: Chapter 7.0, §7.3.2.5.1
Page 4 of 4: Chapter 11.0, §11.4

Hanford Facility RCRA Permit Modification Notification Form

Unit: Liquid Effluent Retention Facility & 200 Area Effluent Treatment Facility	Permit Part & Chapter: Part III, Chapter 4 and Attachment 34
---	--

Description of Modification:

Chapter 7.0, §7.3.2.5.1: Remove and replace Chapter 7.0 with attached Chapter 7.0.

7.3.2.5.1 Damaged, or Unacceptable Shipments

During the course of receiving an onsite transfer of dangerous and/or mixed waste at ETF/LERF an unanticipated event could be discovered resulting in a conformance issue concerning the waste. Damaged or unacceptable shipments resulting from onsite transfers are not subject to WAC 173-303-370 however conformance issues must be resolved in order to maintain proper records.

The following actions are taken to resolve the conformance issue:

- Operations management is notified of the damaged or unacceptable waste to be received.
- If the conformance issue results in a spill or release, actions described in Section 7.3.2.5 are taken.
- The generating organization is notified of the conformance issue.

An operations representative, in conjunction with the generating organization, determines the course of action to resolve the conformance issue.

In accordance with WAC 173-303-350(3)(b), when an offsite shipment of dangerous waste arrives at the ETF and the shipment is unacceptable for receipt, the damaged shipment should not be moved.

If a damaged shipment or transfer results in a spill or otherwise presents a hazard, the following action is performed in addition to the actions identified in Section 7.3.2.5 of this plan:

Notify the organization generating the waste of the damaged shipment or transfer, and request any information necessary to assist in responding to the spill or hazard that is presented.

Modification Class: ^{1 2 3}	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. Wilde</i> 2-19-04 R. T. Wilde Date	Reviewed by RL Program Office: <i>M. S. McCormick</i> 2-26-04 M. S. McCormick Date	Reviewed by Ecology: <i>F. Jamison</i> 3-3-05 F. Jamison Date	Reviewed by Ecology: <i>E. R. Skinnarland</i> 3-3-05 E. R. Skinnarland 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: Liquid Effluent Retention Facility & 200 Area Effluent Treatment Facility	Permit Part & Chapter: Part III, Chapter 4 and Attachment 34
---	--

Description of Modification:

Chapter 11.0, §11.4: Remove and replace Chapter 11.0 with attached Chapter 11.0.

11.4 MAXIMUM WASTE INVENTORY [I-1c]

~~The maximum waste inventory for ETF/LERF is found in Attachment 34, Chapter 1.0. Each LERF basin is designed to store 24,605,000 liters. The maximum aqueous waste inventory for the three basins is 73,815,000 liters.~~

~~The ETF is constructed to treat and store aqueous waste streams. The treated effluent is stored in three verification tanks until it is determined if the effluent meets required standards. The summation of the three verification tanks is 7,608,654 liters. A secondary waste is generated during operation of the ETF. This secondary waste consists of mixed waste generated and containerized during the operation of the ETF and nonradioactive dangerous waste such as chemicals used in the various processes. The maximum waste inventory for the container storage of the secondary waste is 147,630 liters.~~

Modification Class: ^{1,2,3}	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. Wilde</i> 2-19-04	<i>M. S. McCormick</i> 2-26-04	<i>F. Jamison</i> 3-3-05	<i>E. R. Skinnarland</i> 3-3-05
R. T. Wilde Date	M. S. McCormick Date	F. Jamison Date	E. R. Skinnarland Date

¹ Class 1 modifications requiring prior Agency approval.

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Hanford Facility RCRA Permit Modification Notification Forms

Part VI, Chapter 2 and Attachment 37

183-H Solar Evaporation Basins

February 2004

Page 1 of 12

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Page 5 of 12:	Attachment 37, Chapter 4.0, §4.0 and §4.1
Page 6 of 12:	Attachment 37, Chapter 4.0, §4.2
Page 7 of 12:	Attachment 37, Chapter 4.0, §4.3
Page 8 of 12:	Attachment 37, Chapter 5.0
Page 9 of 12:	Attachment 37, Chapter 5.0, §5.1
Page 10 of 12:	Attachment 37, Chapter 5.0, §5.2
Page 11 of 12:	Attachment 37, Chapter 6.0, §6.2
Page 12 of 12:	Attachment 37, Chapter 7.0

Hanford Facility RCRA Permit Modification Notification Form

Unit: 183-H Solar Evaporation Basins	Permit Part & Chapter: Part VI, Chapter 2 and Attachment 37
---	--

Description of Modification:

Hanford Facility RCRA Permit, VI.2

Denied

CHAPTER 2

183-H Solar Evaporation Basins

The 183-H Solar Evaporation Basins (Basins) comprise an inactive TSD unit that is undergoing postclosure activities. This TSD unit was operated as an evaporation treatment unit for dangerous wastes.

VI.2.A. COMPLIANCE WITH APPROVED MODIFIED CLOSURE PLAN

The Permittees shall comply with all requirements set forth in Attachment 37, including Conditions specified in VI.2.B. All sections, figures, and tables included in these portions are enforceable:

ATTACHMENT 37

- Chapter 1.0 Part A, Dangerous Waste Permit Form 3, Revision 4A, from Class 1 Modification dated February 2004 for quarter ending June 30, 2002
- Chapter 2.0 Modified Post-Closure Institutional Controls and Post-Closure-Periodic Assessments, from Class 1 Modification dated February 2004 for quarter ending June 30, 2002
- Chapter 3.0 Ground Water Monitoring During Post-Closure, from Class 1 Modification for quarter ending June 30, 2002
- Chapter 4.0 Corrective Action Plan, from Class 1 Modification dated February 2004 for quarter ending June 30, 2002
- Chapter 5.0 Personnel Training During Post-Closure, from Class 1 Modification dated February 2004 for quarter ending June 30, 2002
- Chapter 6.0 Security, from Class 1 Modification dated February 2004 for quarter ending June 30, 2002
- Chapter 7.0 Closure Contact, from Class 1 Modification dated February 2004 for quarter ending June 30, 2002
- Chapter 8.0 Certification of Post-Closure, from Class 1 Modification dated February 2004 for quarter ending June 30, 2002

VI.2.B. AMENDMENTS TO THE APPROVED POST-CLOSURE PLAN

VI.2.B.1. The Permittee will review the modified closure option in five (5) years (February 28, 2008~~3~~). The purpose of the review will be to determine if this TSD unit can be clean closed.

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>M. B. Lackey</i>	Reviewed by RL Program Office: <i>M. S. McCormick</i>	Reviewed by Ecology: <i>J. B. Price</i>	Reviewed by Ecology: <i>G. P. Davis</i>
Date: <i>2/15/04</i>	Date: <i>3/24/04</i>	Date:	Date:

¹Class 1 modifications requiring prior Agency approval.

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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: 183-H Solar Evaporation Basins	Permit Part & Chapter: Part VI, Chapter 2 and Attachment 37
--	---

Description of Modification:

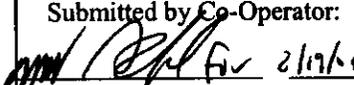
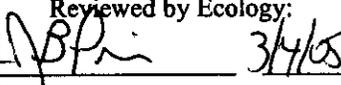
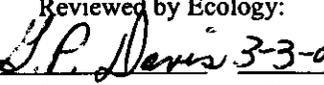
Chapter 1.0: Remove and replace Chapter 1.0 with attached Chapter 1.0.
 Figures were marked *OFFICAL USE ONLY*.

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:  M. B. Lackey	Date: 2/17/05	Reviewed by RI Program Office:  M. S. McCormick	Date: 7-29-04	Reviewed by Ecology:  J. B. Price	Date: 3/4/05	Reviewed by Ecology:  G. P. Davis	Date: 3-3-05
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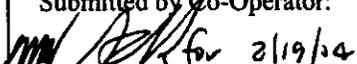
¹Class 1 modifications requiring prior Agency approval.

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Hanford Facility RCRA Permit Modification Notification Form

Unit: 183-H Solar Evaporation Basins	Permit Part & Chapter: Part VI, Chapter 2 and Attachment 37
Description of Modification: Chapter 2.0, §2.1 and 2.2: Remove and replace Chapter 2.0 with attached Chapter 2.0.	
2.1 INSTITUTIONAL CONTROLS No direct exposure contamination remains at 183-H. The extent of contamination remaining at the time of closure of this unit extended from deep vadose zone soils (4.6 m [15 ft] below the bottom of the basin structure) to and including saturated soils and groundwater. Therefore, no measures are required to limit or prohibit activities at the surface. For example, fences or barriers are not required for maintaining access restrictions. Institutional controls are required to be maintained in order to ensure that groundwater is not used as a drinking water or irrigation source. Because RL will maintain control over this site for the foreseeable future and potentially until the groundwater is remediated, it is not anticipated that additional actions will be required to limit controls over groundwater usage. <u>Appropriate deed restrictions will be made.</u> Should groundwater use restrictions be required after RL relinquishment of the area, appropriate deed restrictions will be made.	
2.2 PERIODIC ASSESSMENTS Periodic assessments are required by Permit Condition II.K.3.b as an element of integrated closure under Permit Condition II.K.7 for 183-H Solar Evaporation Basins. The first periodic assessment will take place after a period of five years from the completion of closure (July 28, 2001). As allowed by WAC 173-340-410, a compliance monitoring plan for protection and confirmation monitoring during the five-year period may be combined with other plans. Protection and confirmation sampling of groundwater will be achieved through implementation of <u>an integrated</u> the dangerous waste final status groundwater monitoring program plan . No soil remediation is anticipated to occur during the five-year period. Should subsequent assessment periods be required which include soil remediation activities, a compliance monitoring plan will be combined with the CERCLA Operation and Maintenance Plan for the 100-HR-1 Operable Unit.	
<div style="font-size: 2em; font-family: cursive; transform: rotate(-10deg); opacity: 0.5;"> <i>Denied</i> </div>	

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:  M. B. Lackey	Reviewed by RI Program Office:  M. S. McCormick	Reviewed by Ecology: J. B. Price	Reviewed by Ecology: G. P. Davis	
Date 2/19/04	Date 3-24-04	Date	Date	

¹Class 1 modifications requiring prior Agency approval.

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Hanford Facility RCRA Permit Modification Notification Form

Unit: 183-H Solar Evaporation Basins	Permit Part & Chapter: Part VI, Chapter 2 and Attachment 37
--	---

Description of Modification:

Chapter 4.0, §4.0 and §4.1: Remove and replace Chapter 4.0 with attached Chapter 4.0.

4.0 CORRECTIVE ACTION PLAN

Corrective action with regard to residual contamination in the soil and groundwater associated with the 183-H Solar Evaporation Basins has already started. A significant amount of contaminated soil has been excavated from beneath the former concrete basins and has been moved to the ERDF, in accordance with the 183-H Closure Plan contained in the Permit (Ecology 1994) and the action memorandum for disposal of 183-H concrete and soils (DOE-RL et al. 1996). Soil removal was completed at 183-H Solar Evaporation Basins on May 7, 1997. Groundwater remediation under the CERCLA record of decision (ROD) for the 100-HR-3 Operable Unit (EPA 1996) began in July 1997 with the startup of a pumping well network and ion exchange treatment system that will remove chromium and some co-contaminants.

4.1 SOIL COLUMN CORRECTIVE ACTION

The majority of soil column contamination has been removed as described in Section 1.2. Nitrate and fluoride remain in the soil column above groundwater protection standards between the bottom of the excavation (6.1 m [20 ft] below grade) and the water table (approximately 4.6 m [15 ft] vertical area), under the former Basin 1. Clean backfill has been added to minimize infiltration of moisture. Institutional controls are in place to prevent human activities that might enhance soil moisture (e.g., irrigation). Final disposition of remaining nitrate and fluoride in the soil underlying the former 183-H facility will be addressed in a final feasibility study and ROD for the 100 HR-1 Operable Unit.

Denied

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>M. B. Lackey</i> for <i>2/19/04</i>	Reviewed by RL Program Office: <i>M. S. McCormick</i> <i>3-24-04</i>	Reviewed by Ecology:	Reviewed by Ecology:
M. B. Lackey Date	M. S. McCormick Date	J. B. Price Date	G. P. Davis Date

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Hanford Facility RCRA Permit Modification Notification Form

Unit: 183-H Solar Evaporation Basins	Permit Part & Chapter: Part VI, Chapter 2 and Attachment 37
--	---

Description of Modification:

Chapter 4.0, §4.2: Remove and replace Chapter 4.0 with attached Chapter 4.0.

4.2 GROUNDWATER CORRECTIVE ACTION

Groundwater contamination from 183-H waste is still present in groundwater near the former 183-H Basins. Corrective action to remove hexavalent chromium is being undertaken as an interim remedial measure for the entire 100-HR-3 Groundwater Operable Unit. The treatment methodology will remove hexavalent chromium from groundwater, and some nitrate, ~~technetium-99, and uranium~~. Whether or not fluoride will be retained by the Dowex 21K will retain fluoride resin has not yet been demonstrated, but the resin is expected to do so. Final disposition of groundwater contamination from all sources in the 100-H Area will be addressed in a final feasibility study and ROD for the 100-HR-3 Operable Unit, should the CERCLA IRM action not remediate all contamination.

Denied

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>M. B. Lackey</i>	Reviewed by RL Program Office: <i>M. S. McCormick</i>	Reviewed by Ecology:	Reviewed by Ecology:
Date: <i>2/17/04</i>	Date: <i>3-24-04</i>	Date:	Date:
M. B. Lackey	M. S. McCormick	J. B. Price	G. P. Davis

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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: 183-H Solar Evaporation Basins	Permit Part & Chapter: Part VI, Chapter 2 and Attachment 37
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Description of Modification:

Chapter 4.0, §4.3: Remove and replace Chapter 4.0 with attached Chapter 4.0.

4.3 REMEDIATION EXPECTATIONS DURING THE INTERIM REMEDIAL MEASURE

The interim remedial measure for chromium is designed to remove hexavalent chromium from groundwater using an ion exchange resin. The resin is expected to ~~also remove some nitrate, and fluoride, technetium-99, and uranium (strontium-90 will not be removed)~~ although hexavalent chromium will be removed preferentially. Determining how well the ion exchange resin will perform in removing these co-contaminants and 183-H waste indicators is an objective of the IRM performance monitoring program.

Selection of final remediation alternatives for the soil column associated with the 183-H Solar Evaporation Basins TSD unit and the underlying groundwater will be done after completion of final feasibility studies for the 100-HR-1 and 100-HR-3 Operable Units. Information gained during the pump-and-treat remediation activities for chromium in groundwater will play a prominent role in guiding the final RODs for these operable units. ~~Also~~ In addition, groundwater monitoring data obtained under Attachment 37 Chapter 3.0 ~~the RCRA program (Hartman 1997)~~, the CERCLA remedial investigation (Peterson and Raidl 1996), and the CERCLA interim remedial measure (DOE-RL 1997) will be used in a focused feasibility study to help identify the optimal final remediation alternative.

Denied

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>M. B. Lackey</i> 2/19/04	Reviewed by RI/Program Office: <i>M. S. McCormick</i> 3-24-04	Reviewed by Ecology:	Reviewed by Ecology:
M. B. Lackey	M. S. McCormick	J. B. Price	G. P. Davis
Date	Date	Date	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: 183-H Solar Evaporation Basins	Permit Part & Chapter: Part VI, Chapter 2 and Attachment 37			
<p><u>Description of Modification:</u> Chapter 5.0: Remove and replace Chapter 5.0 with attached Chapter 5.0.</p> <p style="text-align: center;">5.0 PERSONNEL TRAINING DURING POSTCLOSURE</p> <p>This section describes the training of the groundwater sampling and analysis task leader and sampling personnel required to complete postclosure care requirements as contained in this postclosure plan <u>and the Permit. A brief description of how training will be designed to meet job tasks is presented below. This chapter constitutes the training plan required by Permit Condition II.C.1 and the description required by Permit Condition II.C.3.</u></p> <div style="text-align: center; font-size: 2em; font-family: cursive; margin: 20px 0;"> <u>Amended</u> </div>				
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: <i>M. B. Lackey</i> 2/17/04 M. B. Lackey Date	Reviewed by RL Program Office: <i>M. S. McCormick</i> 3-24-04 M. S. McCormick Date	Reviewed by Ecology: J. B. Price Date	Reviewed by Ecology: G. P. Davis 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.

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Hanford Facility RCRA Permit Modification Notification Form

Unit: 183-H Solar Evaporation Basins	Permit Part & Chapter: Part VI, Chapter 2 and Attachment 37
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Description of Modification:

Chapter 5.0, §5.1: Remove and replace Chapter 5.0 with attached Chapter 5.0.

5.1 GENERAL TRAINING

Personnel accessing the TSD unit will meet the General Hanford Facility training requirements contained in DOE/RL-91-28, §8.1.

Denied

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>M. B. Lackey</i> for ² 1/19/04	Reviewed by RL Program Office: <i>M. S. McCormick</i> 3-24-04	Reviewed by Ecology:	Reviewed by Ecology:
M. B. Lackey Date	M. S. McCormick Date	J. B. Price Date	G. P. Davis Date

¹Class 1 modifications requiring prior Agency approval.

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Hanford Facility RCRA Permit Modification Notification Form

Unit: 183-H Solar Evaporation Basins	Permit Part & Chapter: Part VI, Chapter 2 and Attachment 37
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Description of Modification:

Chapter 5.0, §5.2: Remove and replace Chapter 5.0 with attached Chapter 5.0.

5.2 GROUNDWATER SAMPLING PERSONNEL

~~During postclosure of the 183-H Solar Evaporation Basins, The sampling personnel and analysis task leader or delegate and samplers will be responsible for the following:~~

- ~~Reporting Monitoring and recordkeeping on groundwater well security and maintenance issues~~
- Network design changes and coordination of sampling
- Collecting groundwater level data
- Collecting, packaging, and shipping groundwater samples with chain of custody to field and full scale offsite laboratories
- Sampling and monitoring equipment operation and maintenance
- ~~Providing sample chain of custody to the laboratory~~

The training of the ~~sampling and analysis task leader and sampling personnel~~ will receive either classroom instruction or on-the-job training. Sampling ~~and analysis personnel~~ will be trained to perform these duties in accordance with Hanford Facility analytical services quality assurance requirements. A person successfully completing the required training courses will be qualified as a groundwater sampler ~~and/or task leader~~. All personnel will undergo training and at least an annual review for required course.

Denied

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>M. B. Lackey</i> for <i>3/19/09</i>	Reviewed by RL Program Office: <i>M. S. McCormick</i> <i>3-24-09</i>	Reviewed by Ecology:	Reviewed by Ecology:
M. B. Lackey Date	M. S. McCormick Date	J. B. Price Date	G. P. Davis 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: 183-H Solar Evaporation Basins	Permit Part & Chapter: Part VI, Chapter 2 and Attachment 37
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Description of Modification:

Chapter 6.0, §6.2: Remove and replace Chapter 6.0 with attached Chapter 6.0.
Chapter was marked *OFFICAL USE ONLY*.

6.0 SECURITY

6.1 24-HOUR SURVEILLANCE SYSTEM

The 100 Area will remain an area controlled by RL for the foreseeable future. These areas will be under 24-hour surveillance by Hanford Patrol protective force personnel.

6.2 BARRIER, MEANS TO CONTROL ENTRY, AND WARNING SIGNS

No direct exposure hazards remain at 183-H Solar Evaporation Basins. However, roadways to the unit and site access will remain administratively restricted to use by authorized personnel only. Posted federal warning signs restrict access to the 100-H Area from the Columbia River.

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 C6-Operator: <i>M. B. Lackey</i> 2/19/04 M. B. Lackey Date	Reviewed by RL Program Office: <i>M. S. McCormick</i> 3-24-04 M. S. McCormick Date	Reviewed by Ecology: <i>J. B. Price</i> 3/11/05 J. B. Price Date	Reviewed by Ecology: <i>G. P. Davis</i> 3-3-05 G. P. Davis Date
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Hanford Facility RCRA Permit Modification Notification Form

Unit: 183-H Solar Evaporation Basins	Permit Part & Chapter: Part VI, Chapter 2 and Attachment 37
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Description of Modification:

Chapter 7.0: Remove and replace Chapter 7.0 with attached Chapter 7.0.

7.0 CLOSURE CONTACT

The RL is the official contact for 183-H Solar Evaporation Basins during the postclosure period at the following address:

Director, Regulatory Compliance and Analysis Division
 U.S. Department of Energy
 Richland Operations Office
 P.O. Box 550
 Richland, Washington 99352
(509) 372-2400

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>M. B. Lackey</i> M. B. Lackey	Date: 2/19/04	Reviewed by RL Program Office: <i>M. S. McCormick</i> M. S. McCormick	Date: 3-24-04	Reviewed by Ecology: <i>J. B. Price</i> J. B. Price	Date: 3/4/05	Reviewed by Ecology: <i>G. P. Davis</i> G. P. Davis	Date: 3-3-05
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Hanford Facility RCRA Permit Modification Notification Forms

**100-NR-2 Operable Unit
Part IV, Chapter 2**

February 2004

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Index

Page 2 of 3: Permit IV.1

Page 3 of 3: Permit Attachment 47

Hanford Facility RCRA Permit Modification Notification Form

Unit: 100-NR-2 Operable Unit	Permit Part & Chapter: Part IV, Chapter 2
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Description of Modification:

Hanford Facility RCRA Permit IV.2:

**CHAPTER 2
100-NR-2 Operable Unit**

The 100-NR-2 Operable Unit (OU) is the ground water ~~Operable Unit~~ below 100-NR-1-OU Operable Unit (Part IV Chapter 1). ~~This chapter has been retired with Revision 6 of this Permit, which has been contaminated as a result of past intentional disposal operations and unintentional spills of hazardous substances. As prescribed by Conditions II.V. of this Permit, this Chapter sets forth the corrective action requirements for the 100-NR-2 OU.~~

IV.2.A — COMPLIANCE WITH APPROVED CORRECTIVE MEASURES STUDY

The Permittees shall comply with all requirements set forth in Attachment 47, the ~~Corrective Measures Study (CMS) for the 100-NR-2 Operable Units, DOE/RL 95-111, Revision 0. Enforceable portions of the CMS are listed below; all subsections, figures, and tables included in these portions are also enforceable, unless stated otherwise:~~

- ~~Section 7.0 — Comparative Analysis of Remedial Alternatives~~
- ~~Section 9.0 — Recommended Corrective Measures~~
- ~~Section 9.1 — RCRA Correction Action Performance Standards~~
- ~~Section 9.3 — Corrective Measure for the 100-NR-2 Operable Unit~~
- ~~Section 9.3.1 — Recommended Action and Justification~~
- ~~Section 9.3.2 — Cleanup Standards for the 100-NR-2 Operable Unit~~
- ~~Section 9.3.3 — Cost~~
- ~~Section 9.3.4 — Schedule~~
- ~~Section 9.3.5 — Training~~
- ~~Appendix A — Applicable or Relevant and Appropriate Requirements~~
- ~~Appendix G — Cost Estimates~~

Denied

IV.2.B. — COMPLIANCE WITH APPROVED ENGINEERING EVALUATION/COST ANALYSIS

The Permittees shall comply with all requirements set forth in Attachment 48, the ~~Engineering Evaluation/Cost Analysis for the 100-N Area Ancillary Facilities and Integration Plan (EE/CA), DOE/RL 97-22, Rev. 1. Enforceable portions of the EE/CA are listed below; all subsections, figures, and tables included in these portions are also enforceable, unless stated otherwise:~~

- ~~Section 2.2.1.5 — Remedial Unit Five — Description of the SWMU's~~
- ~~Section 5.2 — Compliance with ARARS~~
- ~~Section 5.10 — Other Considerations~~
- ~~Section 6.0 — Recommended Alternative~~
- ~~Table 2-1 — Suspected Contaminants in 100-N Area Ancillary Facilities~~
- ~~Table 5-1 — Summary of Estimated Costs for Alternatives Two, Three, and Four~~
- ~~Appendix A — Integration Plan for Decontamination and Demolition and Remedial Action in the 100-N Area~~

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 DOE Program Office:	Reviewed by Ecology:	Reviewed by Ecology:	
 M.S. McCormick Date <u>3-24-04</u>	J. B. Price Date _____	G. P. Davis Date _____	

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