



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

August 10, 2005

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

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

Ms. Lori Huffman, Acting Director  
Regulatory Compliance and Analysis Division  
U.S. 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: J2-05  
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Ms. Lori Fritz, Director  
Environmental Protection  
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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 Meses. Huffman, Fritz, Eberlein and Messrs. Schepens, Klein, Enge, Logan, and Henschel:

- References: 1) U.S. Department of Energy (USDOE) Letter Dated July 7, 2005, "Quarterly Notification of Class 1 Modifications to the Hanford Facility Resource Conservation and Recovery Act (RCRA) Permit (Quarter ending June, 2005)"
- 2) USDOE Letter Dated July 11, 2005, "Class 1 Modifications to the Hanford Facility Resource Conservation and Recovery Act Permit for submittal of new Part A forms"

Enclosed are Modification Notification Forms indicating those modifications that Ecology has reviewed and approved or denied for the referenced quarterly Class 1 Modifications and new Part A form submittals.



**REFERENCE #1**

The approved/denied quarterly modifications include:

**General Permit Conditions**

**Page 2 of 6:**

Acronyms Approved

**Page 3 of 6:**

Permit Condition II.L. Approved

**Page 4 of 6:**

Permit Condition II.I.1.t Approved

**Page 5 of 6:**

Permit Condition II.P Approved

**Page 6 of 6:**

Permit Condition II.Z Approved

**DOE/RL-94-02, Hanford Emergency Management Plan**

**List of Attachments, Page 2 of 3:**

Attachment 4, Appendix C, Hanford Fire Department Equipment List Approved

**List of Attachments, Page 3 of 3:**

Attachment 4, Appendix C, Hanford Fire Department Equipment List Approved

**Liquid Effluent Retention Facility and 200 Area Effluent Treatment Facility**

**Page 2 of 5:**

Hanford Facility RCRA Permit, III.4 Approved

**Page 3 of 5:**

Chapter 11.0, Section 11.2.2 Approved

**Page 4 of 5:**

Chapter 11.0, Section 11.3.4.4 Approved

**Page 5 of 5:**

Chapter 11.0, Section 11.6 Approved

**325 Hazardous Waste Treatment Units**

**Page 2 of 31:**

Hanford Facility RCRA Permit, III.6                      Approved

**Page 3 of 31:**

Chapter 2.0, Figures 2.1, 2.2, and 2.3                      Approved

**Page 4 of 31:**

Chapter 2.0, Section 2.1.1                                      Approved

**Page 5 of 31:**

Chapter 2.0, Section 2.1.2                                      Approved

**Page 6 of 31:**

Chapter 3.0, Section 3.1                                        Approved

**Page 7 of 31:**

Chapter 3.0, Section 3.1.1                                      Approved

**Page 8 of 31:**

Chapter 3.0, Section 3.1.7                                      Approved

**Page 9 of 31:**

Chapter 3.0, Section 3.1.7.1                                    Approved

**Page 10 of 31:**

Chapter 3.0, Section 3.1.7.2                                    Approved

**Page 11 of 31:**

Chapter 3.0, Section 3.1.8                                      Approved

**Page 12 of 31:**

Chapter 3.0, Section 3.3                                        Approved

**Page 13 of 31:**

Chapter 3.0, Section 3.3.1                                      Approved

**Page 14 of 31:**

Chapter 3.0, Section 3.3.2                                      Approved

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Chapter 3.0, Section 3.3.3                      Approved

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Chapter 3.0, Section 3.3.4                      Approved

**Page 17 of 31:**  
Chapter 3.0, Section 3.3.5                      Approved

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Chapter 3.0, Section 3.3.6                      Approved

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Chapter 3.0, Section 3.4.1                      Approved

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Chapter 3.0, Section 3.4.2                      Approved

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Chapter 3.0, Section 3.6                        Approved

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Chapter 3.0, Table 3.1                         Approved

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Chapter 3.0, Table 3.2                         Approved

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Chapter 3.0, Table 3.3                         Approved

**Page 25 of 31:**  
Chapter 3.0, Section 3.11                      Approved

**Page 26 of 31:**  
Chapter 4.0, Section 4.2.1                      Approved

**Page 27 of 31:**  
Chapter 4.0, Section 4.2.1.1                    Approved

**Page 28 of 31:**  
Chapter 4.0, Section 4.2.1.2.3                Approved

**Page 29 of 31:**  
Chapter 4.0, Section 4.2.1.3                      Approved

**Page 30 of 31:**  
Chapter 6.0, Section 6.2.2                      Approved

**Page 31 of 31:**  
Chapter 7.0, Table 7.1                      Approved

**REFERENCE #2**

**Part III, Chapter 2**  
**305-B Storage Facility**

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

**Page 3 of 3:**  
Chapter 1.0, Part A                      Approved

**Part III, Chapter 3**  
**PUREX Storage Tunnels**

**Page 2 of 8:**  
Hanford Facility RCRA Permit, III.3                      Approved

**Page 3 of 8:**  
Chapter 1.0, Part A                      Approved

**Page 4 of 8:**  
Chapter 2.0, Figures 2.1, 2.2, 2.3, and 2.4                      Approved

**Page 5 of 8:**  
Chapter 2.0, Section 2.1                      Approved

**Page 6 of 8:**  
Chapter 2.0, Section 2.1.1                      Approved

**Page 7 of 8:**  
Chapter 2.0, Section 2.1.2                      Approved



Mses. Huffman, Fritz, Eberlein and Messrs. Schepens, Klein, Enge, Logan, and Henschel  
August 10, 2005  
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**Part VI, Chapter 2**  
**183-H Solar Evaporation Basins**

**Page 2 of 3:**  
Hanford Facility RCRA Permit, VI.2                      Approved

**Page 3 of 3:**  
Chapter 1.0, Part A    Approved

The USDOE 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

GD:nc  
Enclosures

cc/enc:            Tony McKarns, USDOE  
                      Zack Smith, USDOE  
                      Suzette Thompson, FH  
                      Stuart Harris, CTUIR  
                      Gabriel Bohnee, NPT  
                      Russell Jim, YN  
                      Ken Niles, ODOE  
                      Administrative Record: HF RCRA Permit  
                      Environmental Portal

cc:                Ro Vinson, PAC  
                      Todd Martin, HAB.

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Hanford Facility RCRA Permit Modification Notification Forms

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General Permit Conditions

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- Page 2 of 6: Acronyms
- Page 3 of 6: Permit Condition II.L
- Page 4 of 6: Permit Condition III.1.1.t
- Page 5 of 6: Permit Condition II.P
- Page 6 of 6: Permit Condition II.Z

Submitted by Co-Operator:

*Lori L. Fritz*

Lori L. Fritz

*6-27-05*

Date

Reviewed by RL Program Office:

*Lori A. Huffman*

Lori A. Huffman

*7-6-05*

Date

Hanford Facility RCRA Permit Modification Notification Form					
Unit: <b>General</b>	Permit Part & Chapter: <b>Acronyms</b>				
<u>Description of Modification:</u>					
<b>ACRONYMS</b>					
...					
EC	Emergency Coordinator				
<del>ECN</del>	<del>Engineering Change Notice</del>				
Ecology	Washington State Department of Ecology				
EPA	U.S. Environmental Protection Agency				
ERA	Expedited Response Action				
ERDF	Environmental Restoration and Disposal Facility				
ETF	200 Area Effluent Treatment Facility				
...					
<del>NCR</del>	<del>Non-conformance Report</del>				
...					
WAC 173-303-830 Modification Class <sup>12</sup>		Class 1	Class '1	Class 2	Class 3
Please mark the Modification Class:		X			
Enter relevant WAC 173-303-830, Appendix I Modification citation number: A.1					
Enter wording of WAC 173-303-830, Appendix I Modification citation: A.1. General Permit Provisions, Administrative and informational changes					
Modification Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (state reason for denial)		Reviewed by Ecology:			
Reason for denial:		 G. P. Davis      6/7/05 Date			

1 Class 1 modifications requiring prior Agency approval.

2 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 a Class '1, if appropriate.

<b>Hanford Facility RCRA Permit Modification Notification Form</b>					
Unit: <b>General</b>	Permit Part & Chapter: <b>Permit Condition II.L</b>				
<u>Description of Modification:</u>					
Permit Condition II.L:					
<b>II.L DESIGN AND OPERATION OF THE FACILITY</b>					
<b>II.L.1 Proper Design and Construction</b>					
The Permittees shall design, construct, maintain, and operate the Facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous substances to air, soil, ground water, or surface water, which could threaten human health, or the environment.					
<b>II.L.2 Design Changes, Nonconformance, and As-Built Drawings</b>					
<b>II.L.2.a</b> <del>After completing the Permit modification process in Permit Condition I.C.3,</del> The Permittees shall conduct all construction subject to this Permit in accordance with the approved designs, plans and specifications that are required by this Permit, unless authorized otherwise in Permit Conditions II.L.2.b or II.L.2.c. For purposes of Permit Conditions II.L.2.b and II.L.2.c, an Ecology construction inspector, or TSD unit manager, are designated representatives of Ecology.					
<b>II.L.2.b</b> During construction of a project subject to this Permit, changes to the approved designs, plans and specifications shall be formally documented with an <del>Engineering Change Notice (ECN)</del> . All <u>design change documentation ECNs</u> shall be maintained in the TSD unit-specific Operating Record and shall be made available to Ecology upon request or during the course of an inspection. The Permittees shall provide copies of <u>design change documentation ECNs</u> affecting any critical system to Ecology within five (5) working days of initiating the <u>design change documentation ECN</u> . Identification of critical systems shall be included by the Permittees in each TSD unit-specific dangerous waste Permit application, closure plan or Permit modification, as appropriate. Ecology will review an <u>design change documentation ECN</u> modifying a critical system, and inform the Permittees in writing within two (2) working days, whether the proposed <u>design change documentation ECN</u> , when issued, will require a Class 1, 2, or 3 Permit modification. If after two (2) working days Ecology has not responded, it will be deemed as acceptance of the <u>design change documentation ECN</u> by Ecology.					
<b>II.L.2.c</b> During construction of a project subject to this Permit, any work completed which does not meet or exceed the standards of the approved design, plans and specifications shall be formally documented with a <del>Nonconformance documentation Report (NCR)</del> . All <u>nonconformance documentation NCRs</u> shall be maintained in the TSD unit-specific Operating Record and shall be made available to Ecology upon request, or during the course of an inspection. The Permittees shall provide copies of <u>nonconformance documentation NCRs</u> affecting any critical system to Ecology within five (5) working days after identification of the nonconformance. Ecology will review a <u>nonconformance documentation NCR</u> affecting a critical system and inform the Permittees in writing, within two (2) working days, whether a Permit modification is required for any nonconformance, and whether prior approval is required from Ecology before work proceeds, which affects the nonconforming item. If Ecology does not respond within two (2) working days, it will be deemed as acceptance and no Permit modification will be required.					
<b>II.L.2.d</b> Upon completion of a construction project subject to this Permit, the Permittees shall produce as-built drawings of the project which incorporate the design and construction modifications resulting from all project <u>design change documentation ECNs</u> and <u>nonconformance documentation NCRs</u> , as well as modifications made pursuant to WAC 173-303-830. The Permittees shall place the drawings into the Operating Record within twelve (12) months of completing construction, or within an alternate period of time specified in a unit-specific Permit Condition in Part III or V of this Permit.					
<b>II.L.2.e Facility Compliance</b>					
The Permittees in receiving, storing, transferring, handling, treating, processing, and disposing of dangerous waste, shall design, operate, and/or maintain the Facility in compliance with all applicable federal, state, and local laws and regulations.					
WAC 173-303-830 Modification Class <sup>1 2</sup>		Class 1	Class 1	Class 2	Class 3
Please mark the Modification Class:		X			
Enter relevant WAC 173-303-830, Appendix I Modification citation number: A.1					
Enter wording of WAC 173-303-830, Appendix I Modification citation: A.1. General Permit Provisions, Administrative and informational changes					
Modification Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (state reason for denial)			Reviewed by Ecology:		
<u>Reason for denial:</u>			G. P. Davis <span style="float: right;">6/7/05</span> Date		

1 Class 1 modifications requiring prior Agency approval.

2 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 a Class 1, if appropriate.

Hanford Facility RCRA Permit Modification Notification Form					
Unit: <b>General</b>	Permit Part & Chapter: <b>Permit Condition II.I.1.t</b>				
<p><u>Description of Modification:</u></p> <p>Permit Condition II.I.1.t:</p> <p><b>II.I FACILITY OPERATING RECORD</b></p> <p>...</p> <p>II.I.1.t. All other reports as required by this Permit, including <u>design change documentation</u> <u>ECNs</u> and <u>nonconformance documentation</u> <u>NCRs</u>.</p>					
<p>WAC 173-303-830 Modification Class <sup>1 2</sup></p> <p>Please mark the Modification Class:</p>		Class 1	Class <sup>1</sup>	Class 2	Class 3
		X			
<p>Enter relevant WAC 173-303-830, Appendix I Modification citation number: A.1</p> <p>Enter wording of WAC 173-303-830, Appendix I Modification citation:</p> <p style="text-align: center;">A.1. General Permit Provisions, Administrative and informational changes</p>					
<p>Modification Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (state reason for denial)</p> <p><u>Reason for denial:</u></p>			<p>Reviewed by Ecology:</p> <p style="text-align: center;"><i>G.P. Davis</i> 6/7/05</p> <p style="text-align: center;">G. P Davis Date</p>		

1 Class 1 modifications requiring prior Agency approval.

2 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 a Class 11, if appropriate.

<b>Hanford Facility RCRA Permit Modification Notification Form</b>				
Unit: <b>General</b>	Permit Part & Chapter: <b>Permit Condition II.P</b>			
<u>Description of Modification:</u>				
Permit Condition II.P:				
<b>II.P MANIFEST SYSTEM</b>				
II.P.1 The Permittees shall comply with the manifest requirements of WAC 173-303-370 for waste received from off-site and WAC 173-303-180 for waste shipped off-site.				
II.P.2 Transportation of dangerous wastes along <del>roadways State Highways 240, 24, and 243, and Route 4 South (Stevens Drive) south of the Wye Barricade</del> , if such routes are not closed to general public access at the time of <del>transport/shipment</del> , <u>can</u> shall be manifested pursuant to <u>an alternate tracking system as allowed by WAC 173-303-180(6) Condition II.P.1</u> . The alternate tracking system can be a <u>paper system or an electronic system</u> . The roadways addressed by this condition are a public or private right-of-way within or along the border of contiguous property where the movement is under control of the USDOE. The alternate tracking system shall consist of documentation between the offering Hanford Facility location and the receiving Hanford Facility location containing the following information:				
II.P.2.a Hanford Facility offeror name, location, and telephone number:				
II.P.2.b Hanford Facility receiver name, location, and telephone number:				
II.P.2.c Description of waste:				
II.P.2.d Number and type of containers:				
II.P.2.e Total quantity of waste:				
II.P.2.f Unit volume/weight:				
II.P.2.g Dangerous waste number(s) or U.S. Department of Transportation hazard class; and				
II.P.2.h Special handling instructions including emergency contacts.				
II.P.3 The Hanford Facility offeror and receiver shall resolve any discrepancies of information found related to Permit Conditions II.P.2.a through II.P.2.h.				
II.P.4 If the discrepancies cannot be resolved at the Hanford Facility receiving location, a new Hanford Facility receiver location will be agreed upon, or the dangerous waste will be returned to the offeror location. The documentation accompanying the movement of dangerous waste will be updated to reflect the new receiving location.				
WAC 173-303-830 Modification Class <sup>1 2</sup>				
Please mark the Modification Class:				
	Class 1	Class <sup>1</sup> 1	Class 2	Class 3
	X			
Enter relevant WAC 173-303-830, Appendix I Modification citation number: A.1				
Enter wording of WAC 173-303-830, Appendix I Modification citation:				
A.1. General Permit Provisions, Administrative and informational changes				
Modification Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (state reason for denial)			Reviewed by Ecology:	
Reason for denial:			<div style="text-align: center;"> </div>	
			<div style="display: flex; justify-content: space-between;"> <span>G. P Davis</span> <span>6-29-05</span> </div>	
			<div style="display: flex; justify-content: space-between;"> <span></span> <span>Date</span> </div>	

1 Class 1 modifications requiring prior Agency approval.

2 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 a Class <sup>1</sup>1, if appropriate.

<b>Hanford Facility RCRA Permit Modification Notification Form</b>														
Unit: <b>General</b>	Permit Part & Chapter: <b>Permit Condition II.H</b>													
<p><u>Description of Modification:</u>                      Permit Condition II.Z:  <b>II.Z. Waste Minimization</b></p>														
II.Z.1	<u>In accordance with WAC 173-303-380(1)(g), and Section 3005(h) of RCRA, 42 U.S.C. 6925(h), the Permittee must place a certification in the operating record, unit-specific file on an annual basis that:</u>													
II.Z.1.a	<u>A program is in place to reduce the volume and toxicity of hazardous waste generated to the degree determined by the Permittee to be economically practicable; and,</u>													
II.Z.1.b	<u>The proposed method of treatment, storage or disposal is that practicable method currently available to the Permittee, which minimizes the present and future threat to human health and the environment.</u>													
II.Z.2	<u>The Permittee shall maintain each such certification of waste minimization in the operating record as required by Permit Condition II.I.1.</u>													
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 60%; padding: 5px;">WAC 173-303-830 Modification Class <sup>12</sup></td> <td style="width: 10%; padding: 5px;">Class 1</td> <td style="width: 10%; padding: 5px;">Class '1</td> <td style="width: 10%; padding: 5px;">Class 2</td> <td style="width: 10%; padding: 5px;">Class 3</td> </tr> <tr> <td style="padding: 5px;">Please mark the Modification Class:</td> <td style="text-align: center; padding: 5px;">X</td> <td></td> <td></td> <td></td> </tr> </table>					WAC 173-303-830 Modification Class <sup>12</sup>	Class 1	Class '1	Class 2	Class 3	Please mark the Modification Class:	X			
WAC 173-303-830 Modification Class <sup>12</sup>	Class 1	Class '1	Class 2	Class 3										
Please mark the Modification Class:	X													
Enter relevant WAC 173-303-830, Appendix I Modification citation number: Enter wording of WAC 173-303-830, Appendix I Modification citation: A.1. General Permit Provisions, Administrative and informational changes														
Modification Approved: <input checked="" type="checkbox"/> Yes. <input type="checkbox"/> No (state reason for denial) Reason for denial:			Reviewed by Ecology: <div style="text-align: center;">                      G. P. Davis                 </div> <div style="text-align: right;">                     6/7/05                      Date                 </div>											

1 Class 1 modifications requiring prior Agency approval.

2 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 a Class '1, if appropriate.

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**Hanford Facility RCRA Permit Modification Notification Forms**

**List of Attachments, Attachment 4  
DOE/RL-94-02, Hanford Emergency Management Plan**

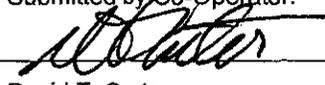
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Page 2 of 3: Attachment 4, Appendix C, Hanford Fire Department Equipment List

Page 3 of 3: Attachment 4, Appendix C, Hanford Fire Department Equipment List

Submitted by Co-Operator:

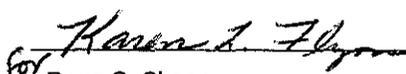


David T. Carter

5-18-05

Date

Reviewed by RL Program Office:



for Doug S. Shoop

5/25/05

Date

Hanford Facility RCRA Permit Modification Notification Form				
Unit: <b>List of Attachments</b>		Permit Part & Chapter: <b>Attachment 4</b>		
Description of Modification: Attachment 4, Appendix C, Hanford Fire Department Equipment List				
EQUIPMENT	DESCRIPTION	*NORMALLY LOCATED		
Engines 4 pumpers 3 ladders 1 aerial ladder	Examples of equipment contained on engines: <ul style="list-style-type: none"> <li>• 1,500-2,000 gal/min (5,678.1-7,570.8 L/min) pump;</li> <li>• 300-500 gal (1,135.6-1,892.7 L) water tank;</li> <li>• 1 – 85’ aerial ladder platform;</li> <li>• 3 – telescoping 65’-75’ ladder trucks with nozzle; and</li> <li>• Jaws of Life.</li> </ul>	1 pumper at each station <u>91, 92, 93, and 94</u> 1 ladder at Station 91 1 ladder at Station 93 1 ladder at Station 94 Aerial at Station 92		
Brush Fire Trucks 6 each	Examples of equipment contained on brush fire trucks: <ul style="list-style-type: none"> <li>• 500 gal/min (1,892.7 L/min) pump;</li> <li>• <u>1,500 gal (5,678.1 L)-2,500 gal (9463.5 L)</u> water tank;</li> <li>• 6x6 with <u>2,000 gal (7,570.8 L)-2,500 gal (9463.5 L)</u> porti-tank; and</li> <li>• hose, nozzles, fittings, and tools.</li> </ul>	1 at Station 91 2 at Station 92 2 at Station 93 1 at Station 94		
Water Tenders 1 each	Examples of equipment contained on water tenders: <ul style="list-style-type: none"> <li>• 1000 gal/min (3785.4 L/min) pump;</li> <li>• 2 - 2,500 gal (9463.5 L) porti-tanks;</li> <li>• 4,500 gal (17,034.3 L) water tank; and</li> <li>• hose, nozzles, fittings, and tools.</li> </ul>	Station 92		
Grass Fire Units 4 each	Examples of equipment contained on grass fire units: <ul style="list-style-type: none"> <li>• 100 gal/min (378.5 L/min) pump;</li> <li>• 250 - 400 gal (946.3 – 1514.2 L) water tank;</li> <li>• 4-wheel drive; and</li> <li>• hose, nozzles, fittings, and tools.</li> </ul>	1 at each station		
Ambulances 6 each	Examples of equipment contained on ambulances: <ul style="list-style-type: none"> <li>• life support systems; and</li> <li>• medical and emergency response supplies.</li> </ul>	1 at Station 91 2 at Station 92 <del>2</del> 1 at Station 93 <del>1</del> 2 at Station 94		
Command Vehicles 3 each	Contains communications equipment and protective equipment for commander.	Station 92		
WAC 173-303-830 Modification Class <sup>1 2</sup>		Class 1	Class 1	Class 2
Please mark the Modification Class:		X		
Enter relevant WAC 173-303-830, Appendix I Modification citation number: B.6.b. Enter wording of WAC 173-303-830, Appendix I Modification citation: B.6.b General Facility Standards, Contingency plan: Replacement with functionally equivalent equipment, upgrade, or relocate emergency equipment listed.				
Modification Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (state reason for denial) Reason for denial:		Reviewed by Ecology: <i>G. P. Davis</i> 7-25-05 G. P. Davis Date		

<sup>1</sup> Class 1 modifications requiring prior Agency approval.

<sup>2</sup>This status may status 3 then the proposed modification should automatically be given a Class Appendix I 830-303-173<sup>1</sup> If the proposed modification does not match any modification listed in WAC 1 or down graded to a Class maintained by the Department of Ecology be 1, if appropriate.

<b>Hanford Facility RCRA Permit Modification Notification Form</b>					
Unit: <b>List of Attachments</b>	Permit Part & Chapter: <b>Attachment 4</b>				
<u>Description of Modification:</u> Attachment 4, Appendix C, Hanford Fire Department Equipment List					
EQUIPMENT	DESCRIPTION	*NORMALLY LOCATED			
Mobile Incident Command Vehicle 1 each	Examples of equipment contained on mobile incident command vehicle: <ul style="list-style-type: none"> <li>• communications equipment;</li> <li>• radio communications in Tri-County area;</li> <li>• cell phones (including satellite);</li> <li>• 10,000 watt generator; and</li> <li>• copier, fax.</li> </ul>	Station 92			
Attack Vehicles 1 each	Examples of equipment contained on attack vehicles: <ul style="list-style-type: none"> <li>• 450 lb (204.1 kg) of purple-K;</li> <li>• 300 gal (1,133.6 L) aqueous film-forming foam concentrate;</li> <li>• 300 gal (1,135.6 L) of aqueous film-forming foam pre-mix solution; and</li> <li>• hose, nozzles, fittings, and tools.</li> </ul>	Station 91			
Hazardous Materials Vehicle 2 each	Examples of equipment contained on hazardous materials vehicle: <ul style="list-style-type: none"> <li>• protective clothing for Hazardous Materials Response Team;</li> <li>• breathing apparatus for Hazardous Materials Response Team;</li> <li>• diking, plugging, and damming equipment;</li> <li>• detection instruments for Hazardous Materials Response Team;</li> <li>• tools for plugging and repairing leaking containers;</li> <li>• overpack containers for leaking containers;</li> <li>• command module with material safety data sheets, software, and portable meteorological station; and</li> <li>• tools and communications devices necessary to provide communications during emergency response activities.</li> </ul>	1 at Station 92 1 at Station 93			
Metal Fire Response Vehicle 1 each	Examples of equipment contained on metal fire response vehicle: <ul style="list-style-type: none"> <li>• equipment for response to special metals fire;</li> <li>• 500 lb (226.8 kg) of extinguishing powder; and</li> <li>• 1,000 lb (453.6 kg) of carbon microspheroids.</li> </ul>	Station 94			
<u>Rescue Truck</u> 1 each	<u>Examples of equipment contained on rescue truck:</u> <ul style="list-style-type: none"> <li>• <u>heavy and light rescue;</u></li> <li>• <u>water rescue;</u></li> <li>• <u>hi/lo angle rescue; and</u></li> <li>• <u>trench rescue.</u></li> </ul>	Station 92			
Mobile Air Vehicle 1 each	Examples of equipment contained on mobile air vehicle: <ul style="list-style-type: none"> <li>• mobile air compressor, recharges self-contained breathing apparatus cylinders; and</li> <li>• tools and fittings for operation of vehicle and spare cylinders.</li> </ul>	Station 91			
*The Hanford Fire Department Chief has the authority to: 1) direct the placement of equipment as needed to control emergency events; and 2) take proactive action and assign different vehicle locations based on conditions such as fuel moisture content, area fire history, work in progress, or other conditions that could arise.					
WAC 173-303-830 Modification Class <sup>1 2</sup>		Class 1	Class 1	Class 2	Class 3
Please mark the Modification Class:		X			
Enter relevant WAC 173-303-830, Appendix I Modification citation number: B.6.b					
Enter wording of WAC 173-303-830, Appendix I Modification citation:					
B.6.b General Facility Standards, Contingency plan: Replacement with functionally equivalent equipment, upgrade, or relocate emergency equipment listed.					
Modification Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (state reason for denial)		Reviewed by Ecology:			
Reason for denial:		 G. P. Davis			
		7-25-05 Date			

<sup>1</sup> Class 1 modifications requiring prior Agency approval.

<sup>2</sup> This status may <sup>3</sup> then the proposed modification should automatically be given a Class <sup>4</sup> Appendix I 830-303-173 If the proposed modification does not match any modification listed in WAC <sup>5</sup> or down graded to a Class, maintained by the Department of Ecology <sup>6</sup> 1, if appropriate.

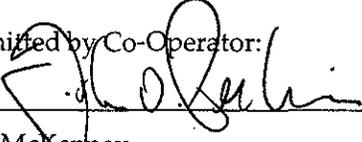
**Hanford Facility RCRA Permit Modification Notification Forms**

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

**Index**

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Page 3 of 5:    Chapter 11.0, §11.2.2  
Page 4 of 5:    Chapter 11.0, §11.3.4.4  
Page 5 of 5:    Chapter 11.0, §11.6

Submitted by Co-Operator:

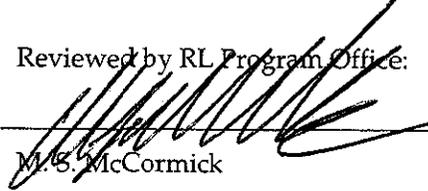


D. E. McKerney

6-22-05

Date

Reviewed by RL Program Office:



M. S. McCormick

6/28/05

Date

**Hanford Facility RCRA Permit Modification Notification Form**

Unit:  
**LERF & 200 Area ETF**

Permit Part & Chapter:  
**Part III, Chapter 4 and Attachment 34**

Description of Modification:

Hanford Facility RCRA Permit, III.4:

**CHAPTER 4**

**Liquid Effluent Retention Facility and 200 Area Effluent Treatment Facility**

This Chapter sets forth the operating Conditions for the Liquid Effluent Retention Facility (LERF) and the Effluent Treatment Facility (ETF).

**III.4.A COMPLIANCE WITH APPROVED PERMIT APPLICATION**

The Permittees shall comply with all requirements set forth in Attachment 34, including the Amendments specified in Condition III.4.B, if any exist. Enforceable portions of the application are listed below; all subsections, figures, and tables included in these portions are also enforceable, unless stated otherwise:

ATTACHMENT 34:

- Chapter 1.0 Part A Dangerous Waste Permit, Revision 0, from Class 1 modification dated May 2005
  - Chapter 2.0 Unit Description from Class 1 modification dated March 2003
  - Chapter 3.0 Waste Analysis Plan, from Class 1 modification dated August 2004
  - Chapter 4.0 Process Information, from Class 1 modification dated December 31, 2004
  - Chapter 5.0 Ground Water Monitoring (PNNL-11620 and WHC-SD-EN-AP-024), from Class 1 modification dated March 2003
  - Chapter 6.0 Procedures to Prevent Hazards, from Class 1 modification dated December 31, 2003
  - Chapter 7.0 Contingency Plan, from Class 1 modification dated August 2004
  - Chapter 8.0 Personnel Training, from Class 1 modification dated March 2003
  - Chapter 11.0 Closure and Financial Assurance, from Class 1 modification dated June 30, 2005
  - Chapter 12.0 Reporting and Recordkeeping, from Class 1 modification dated August 2004
  - Chapter 13.0 Other Federal and State Laws, from Class 1 modification dated August 2004
- III.4.B. AMENDMENTS TO THE APPROVED PERMIT APPLICATION**
- III.4.B.1. Interim status Groundwater Monitoring Plan for the 200 East Area Liquid Effluent Treatment Facility, WHC-SD-EN-AP-024**

WAC 173-303-830 Modification Class <sup>1 2</sup> Please mark the Modification Class:	Class 1	Class 1	Class 2	Class 3
	X			

Enter relevant WAC 173-303-830, Appendix I Modification citation number: A.1

Enter wording of WAC 173-303-830, Appendix I Modification citation:

A.1. General Permit Provisions, Administrative and informational changes

Modification Approved:  Yes  No (state reason for denial)

Reason for denial:

Reviewed by Ecology:

*G. P. Davis* 7-25-05  
G. P Davis Date

<sup>1</sup> Class 1 modifications requiring prior Agency approval.

<sup>2</sup> 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 a Class<sup>1</sup>, if appropriate.

### Hanford Facility RCRA Permit Modification Notification Form

Unit:  
**LERF & 200 Area ETF**

Permit Part & Chapter:  
**Part III, Chapter 4 and Attachment 34**

Description of Modification:

Remove and replace Chapter 11.0 with the attached Chapter 11.0 dated June 30, 2005.  
Chapter 11.0, §11.2.2:

**11.2.2 Closure Standards for Internal and External Piping**

The internal and external piping of both LERF and ETF will be flushed and drained as part of closure. For piping where the contaminated surfaces can be inspected, an inspection will be performed to see if the piping meets the clean debris surface standard in 40 CFR 268.45 incorporated by reference and can be declared non-dangerous in accordance with WAC 173-303-071(3)(qq). The rinsate will be sampled and analyzed. Results less than designation limits for the constituents of concern will be accepted as indicating that the piping is clean with respect to dangerous waste or dangerous waste residues. If the rinsate designates as a dangerous waste, the piping will be flushed again. If it is not possible to inspect the contaminated surfaces or meet the clean debris surface closure performance standard, the particular piping of concern will be removed, designated, and disposed of accordingly.

Dangerous and/or mixed-waste materials generated during closure activities will be managed in accordance with WAC 173-303-610(5). Removal of any dangerous wastes or dangerous constituents during partial or final closure will be handled in accordance with applicable requirements of WAC 173-303-610(5).

WAC 173-303-830 Modification Class <sup>1 2</sup>

Please mark the Modification Class:

Class 1	Class <sup>1</sup>	Class 2	Class 3
X			

Enter relevant WAC 173-303-830, Appendix I Modification citation number: A.1

Enter wording of WAC 173-303-830, Appendix I Modification citation:

A.1. General Permit Provisions, Administrative and informational changes

Modification Approved:  Yes  No (state reason for denial)

Reason for denial:

Reviewed by Ecology:

*G. P. Davis* 7-25-05  
G. P. Davis Date

<sup>1</sup> Class 1 modifications requiring prior Agency approval.

<sup>2</sup> 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 a Class<sup>1</sup>, if appropriate.

**Hanford Facility RCRA Permit Modification Notification Form**

Unit:  
**LERF & 200 Area ETF**

Permit Part & Chapter:  
**Part III, Chapter 4 and Attachment 34**

Description of Modification:

Remove and replace Chapter 11.0 with the attached Chapter 11.0 dated June 30, 2005.  
Chapter 11.0, §11.3.4.4:

**11.3.4.4 Internal and External Piping and Ancillary Equipment**

The internal piping and ancillary equipment for both LERF and ETF will be flushed and drained as part of closure. For piping where the contaminated surfaces can be inspected, an inspection will be performed to see if the piping meets the clean debris surface standard in 40 CFR 268.45 and can be declared non-dangerous rinsed and the rinsate will be sampled and analyzed for constituents of concern. The rinsate will be designated and disposed of appropriately. If the rinsate does not designate based on the concentrations of the constituents of concern, the internal piping will be blanketed to ensure that the tanks are isolated and the piping will be considered clean with respect to RCRA. If the rinsate designates as a dangerous waste, the piping will be flushed again. If necessary, the piping will be rinsed with a decontamination solution before sampling and analyses. If it is not possible to meet the clean debris surface closure standard or the piping cannot be inspected, portions of the internal piping will be removed, designated, and disposed of accordingly. The ancillary equipment will be removed, designated, and disposed of accordingly.

External piping (transfer lines) and ancillary equipment associated with between the 242-A Evaporator and LERF and between LERF and ETF consist of below grade and above grade piping. Below grade piping will be dispositioned at closure consistent with the practices for below grade piping in the 200 Areas at the time of closure. For above grade piping, it will be dispositioned consistent with the provisions for internal piping flushed and the rinsate analyzed for constituents of concern. If the rinsate designates as a dangerous waste, the piping will be flushed again. If necessary, the piping will be rinsed with a decontamination solution before sampling and analyses. If it is not possible to meet the clean closure standard, the piping will be removed and disposed of accordingly. If the rinsate does not designate, the piping will be considered clean and will remain in place.

If the rinsate designates as dangerous waste, rinsate from the external piping and LERF internal piping will be processed through ETF. Rinsate from closure of the ETF that cannot be treated at ETF will be managed in accordance with WAC 173-303-610(5) transferred to another TSD unit. Detail regarding the process for rinsing any internal and external piping and ancillary equipment will be provided in the closure plan in accordance with WAC 173-303-610(3)(a)(v) upon modification as stated in Section 11.6.

Dangerous and/or mixed-waste materials generated during closure activities will be managed in accordance with WAC 173-303-610(5). Removal of any dangerous wastes or dangerous constituents during partial or final closure will be handled in accordance with applicable requirements of WAC 173-303-610(5).

WAC 173-303-830 Modification Class <sup>1 2</sup>

Please mark the Modification Class:

Class 1	Class '1	Class 2	Class 3
X			

Enter relevant WAC 173-303-830, Appendix I Modification citation number: A.1

Enter wording of WAC 173-303-830, Appendix I Modification citation:

A.1. General Permit Provisions, Administrative and informational changes

Modification Approved:  Yes  No (state reason for denial)  
Reason for denial:

Reviewed by Ecology:

*G. P. Davis* 7-25-05  
G. P Davis Date

<sup>1</sup> Class 1 modifications requiring prior Agency approval.

<sup>2</sup> 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 a Class<sup>1</sup>, if appropriate.

<b>Hanford Facility RCRA Permit Modification Notification Form</b>														
Unit: <b>LERF &amp; 200 Area ETF</b>	Permit Part & Chapter: <b>Part III, Chapter 4 and Attachment 34</b>													
<p><u>Description of Modification:</u> Remove and replace Chapter 11.0 with the attached Chapter 11.0 dated June 30, 2005. Chapter 11.0, §11.6:</p> <p><b>11.6 SCHEDULE FOR CLOSURE [(I-1f)]</b></p> <p>Closure of LERF and ETF is not anticipated to occur within the next 30 years. The actual year of closure will depend on the time required for current waste to be processed and what role the LERF and ETF will play in processing additional waste generated during future activities in the 200 Areas. Other factors affecting the year of closure include changes in operational requirements, lifetime extension upgrades, and unforeseen factors. When a definite closure date is established, a revised closure plan will be submitted to Ecology.</p> <p>The activities required to complete closure are planned to be accomplished within 180 days <u>in accordance with WAC 173-303-610(4)(b)</u>. Should a modified schedule be necessary, a revised schedule will be presented and agreed to before closure <u>in accordance with WAC 173-303-610(4)(c)</u>.</p>														
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 55%; padding: 5px;">WAC 173-303-830 Modification Class <sup>12</sup></td> <td style="width: 10%; padding: 5px;">Class 1</td> <td style="width: 10%; padding: 5px;">Class 1</td> <td style="width: 10%; padding: 5px;">Class 2</td> <td style="width: 10%; padding: 5px;">Class 3</td> </tr> <tr> <td style="padding: 5px;">Please mark the Modification Class:</td> <td style="text-align: center; padding: 5px;">X</td> <td></td> <td></td> <td></td> </tr> </table>					WAC 173-303-830 Modification Class <sup>12</sup>	Class 1	Class 1	Class 2	Class 3	Please mark the Modification Class:	X			
WAC 173-303-830 Modification Class <sup>12</sup>	Class 1	Class 1	Class 2	Class 3										
Please mark the Modification Class:	X													
<p>Enter relevant WAC 173-303-830, Appendix I Modification citation number: A.1</p> <p>Enter wording of WAC 173-303-830, Appendix I Modification citation:</p> <p>A.1. General Permit Provisions, Administrative and informational changes</p>														
<p>Modification Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (state reason for denial)</p> <p><u>Reason for denial:</u></p>			<p>Reviewed by Ecology:</p> <p style="text-align: center;"><i>G. P. Davis</i>     7-25-05</p> <p style="text-align: center;">G. P. Davis     Date</p>											

<sup>1</sup> Class 1 modifications requiring prior Agency approval.

<sup>2</sup> 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 a Class<sup>1</sup>, if appropriate.

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**Hanford Facility RCRA Permit Modification Notification Forms**

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**Part III, Chapter 2  
305-B Storage Facility**

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**Index**

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

Page 3 of 3: Chapter 1.0, Part A

Submitted by Co-Operator:

Reviewed by RI, Program Office:

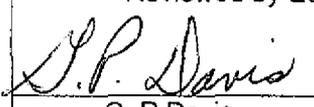
Alice K. Ikenberry  
Alice K. Ikenberry

5/19/05  
Date

L. Erickson  
L. Erickson

6-23-05  
Date



<b>Hanford Facility RCRA Permit Modification Notification Form</b>				
Unit: <b>305-B Storage Facility</b>	Permit Part & Chapter: <b>Part III, Chapter 2 and Attachment 18</b>			
<p><u>Description of Modification:</u>                      Remove and replace Chapter 1.0 with the attached Chapter 1.0 dated May 2005.                      Adopted the new Ecology Part A Form [ECY 030-31 Hanford (Rev. 3/5/04)].</p>				
WAC 173-303-830 Modification Class <sup>12</sup>	Class 1	Class 1 <sup>1</sup>	Class 2	Class 3
Please mark the Modification Class:	X			
Enter relevant WAC 173-303-830, Appendix I Modification citation number: A.1 Enter wording of WAC 173-303-830, Appendix I Modification citation: A.1. General Permit Provisions, Administrative and informational changes				
Modification Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (state reason for denial) Reason for denial:		Reviewed by Ecology: <div style="text-align: center;">                           G. P Davis                     </div> <div style="text-align: right;">                         7-25-05                          Date                     </div>		

<sup>1</sup> Class 1 modifications requiring prior Agency approval.

<sup>2</sup> 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 Washington State Department of Ecology, or downgraded to a Class 1, if appropriate.

Hanford Facility RCRA Permit Modification Notification Forms

Part III, Chapter 3  
PUREX Storage Tunnels

Index

- Page 2 of 8: Hanford Facility RCRA Permit, III.3
- Page 3 of 8: Chapter 1.0, Part A
- Page 4 of 8: Chapter 2.0, Figures 2.1, 2.2, 2.3, and 2.4
- Page 5 of 8: Chapter 2.0, § 2.1
- Page 6 of 8: Chapter 2.0, § 2.1.1
- Page 7 of 8: Chapter 2.0, § 2.1.2
- Page 8 of 8: Chapter 2.0, § 2.2

Submitted by Co-Operator:

WAD  
5/17/05

M.B. Lackey  
M. B. Lackey

5/19/05  
Date

Reviewed by RL Program Office:

FMR  
LDR

M.S. McCormick  
M.S. McCormick

6/21/05  
Date

<b>Hanford Facility RCRA Permit Modification Notification Form</b>					
Unit: <b>PUREX Storage Tunnels</b>	Permit Part & Chapter: <b>Part III, Chapter 3 and Attachment 28</b>				
<p><u>Description of Modification:</u> Hanford Facility RCRA Permit, III.3:</p> <p style="text-align: center;"><b>CHAPTER 3 PUREX Storage Tunnels</b></p> <p>The PUREX Storage Tunnels are mixed waste storage units consisting of two underground railroad tunnels: Tunnel Number 1, designated 218-E-14, and Tunnel Number 2, designated 218-E-15. This Chapter sets forth the operating Conditions for this TSD unit.</p> <p><b>III.3.A      <u>COMPLIANCE WITH APPROVED PERMIT APPLICATION</u></b></p> <p>The Permittees shall comply with all requirements set forth in Attachment 28, including all Class 1 modifications, and the Amendments specified in Condition III.3.B, if any exist. All subsections, figures, and tables included in these portions are enforceable.</p> <p><b><u>ATTACHMENT 28:</u></b></p> <p>Chapter 1.0      Part A Dangerous Waste Permit, Revision <u>6.5C</u>, from Class 1 modification <u>dated May 2005 from quarter ending December 31, 2003</u></p> <p>Chapter 2.0      Unit Description, from Class 1 modification dated <u>May 2005 August 2004</u></p> <p>Chapter 3.0      Waste Analysis Plan, from Class 1 modification dated September 30, 2004</p> <p>Chapter 4.0      Process Information, from Class 1 modification dated August 2004</p> <p>Chapter 6.0      Procedures to Prevent Hazards, from Class 1 modification dated August 2004</p> <p>Chapter 7.0      Contingency Plan, dated May 1998, from Class 1 modification dated August 2004</p> <p>Chapter 8.0      Personnel Training, from Class 1 modification dated September 30, 2002</p> <p>Chapter 10.0      Waste Minimization, from Class 1 modification dated September 30, 2002</p> <p>Chapter 11.0      Closure and Financial Assurance, from Class 1 modification dated August 2004</p> <p>Chapter 12.0      Reporting and Recordkeeping, from Class 1 modification dated August 2004</p> <p>Chapter 13.0      Other Federal and State Laws, from Class 1 modification dated August 2004</p> <p><b>III.3.B      <u>AMENDMENTS TO THE APPROVED PERMIT APPLICATION</u></b></p> <p style="padding-left: 40px;">(None Required)</p>					
WAC 173-303-830 Modification Class <sup>12</sup>		Class 1	Class '1	Class 2	Class 3
Please mark the Modification Class:		X			
<p>Enter relevant WAC 173-303-830, Appendix I Modification citation number: A.1</p> <p>Enter wording of WAC 173-303-830, Appendix I Modification citation:</p> <p>A.1. General Permit Provisions, Administrative and informational changes</p>					
<p>Modification Approved: <input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No (state reason for denial)</p> <p><u>Reason for denial:</u></p>			<p>Reviewed by Ecology:</p> <p style="text-align: center;"><i>G. P. Davis</i>      <u>7-25-05</u></p> <p style="text-align: center;">G. P Davis      Date</p>		

<sup>1</sup> Class 1 modifications requiring prior Agency approval.

<sup>2</sup> 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 Washington State Department of Ecology, or downgraded to a Class '1, if appropriate.

<b>Hanford Facility RCRA Permit Modification Notification Form</b>				
Unit: <b>PUREX Storage Tunnels</b>	Permit Part & Chapter: <b>Part III, Chapter 3 and Attachment 28</b>			
<u>Description of Modification:</u> Remove and replace Chapter 1.0 with the attached Chapter 1.0 dated May 2005.  Adopted the new Ecology Part A Form [ECY 030-31 Hanford (Rev. 3/5/04)].				
WAC 173-303-830 Modification Class <sup>12</sup>	Class 1	Class '1	Class 2	Class 3
Please mark the Modification Class:	X			
Enter relevant WAC 173-303-830, Appendix I Modification citation number: A.1 Enter wording of WAC 173-303-830, Appendix I Modification citation: A.1. General Permit Provisions, Administrative and informational changes				
Modification Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (state reason for denial) <u>Reason for denial:</u>		Reviewed by Ecology:  G. P. Davis		
		7-25-05 Date		

<sup>1</sup> Class 1 modifications requiring prior Agency approval.

<sup>2</sup> 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 Washington State Department of Ecology, or downgraded to a Class '1, if appropriate.

<b>Hanford Facility RCRA Permit Modification Notification Form</b>				
Unit: <b>PUREX Storage Tunnels</b>	Permit Part & Chapter: <b>Part III, Chapter 3 and Attachment 28</b>			
<p><u>Description of Modification:</u>                      Remove and replace Chapter 2.0 with the attached Chapter 2.0 dated May 2005.                      Chapter 2.0, Figures 2.1, 2.2, 2.3, and 2.4:                      Delete Figures 2.1, 2.2, 2.3, and 2.4 that are located in Chapter 1.0, Part A.</p>				
WAC 173-303-830 Modification Class <sup>1 2</sup> Please mark the Modification Class:	Class 1	Class '1	Class 2	Class 3
	X			
Enter relevant WAC 173-303-830, Appendix I Modification citation number: A.1 Enter wording of WAC 173-303-830, Appendix I Modification citation: A.1. General Permit Provisions, Administrative and informational changes				
Modification Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (state reason for denial) <u>Reason for denial:</u>	Reviewed by Ecology:  G. P. Davis			
	9-25-05 Date			

<sup>1</sup> Class 1 modifications requiring prior Agency approval.

<sup>2</sup> 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 Washington State Department of Ecology, or downgraded to a Class '1, if appropriate.

<b>Hanford Facility RCRA Permit Modification Notification Form</b>														
Unit: <b>PUREX Storage Tunnels</b>	Permit Part & Chapter: <b>Part III, Chapter 3 and Attachment 28</b>													
<p><u>Description of Modification:</u>                      Remove and replace Chapter 2.0 with the attached Chapter 2.0 dated May 2005.                      Chapter 2.0, § 2.1:</p> <p><b>2.1 PUREX STORAGE TUNNELS</b></p> <p>The PUREX Storage Tunnels branch off from the railroad tunnel and extend southward from the east end of the PUREX Plant (Figure 2-1). The tunnels are used for storage of mixed waste from the PUREX Plant and from other onsite sources. Each storage tunnel is isolated from the railroad tunnel by a water-fillable shielding door. There are no electrical utilities, water lines, drains, fire detection or suppression systems, or communication systems provided inside the PUREX Storage Tunnels.</p> <p>Material selected for storage is loaded on railcars modified to serve as both transport and storage platforms. Normally, a remote-controlled, battery-powered locomotive was used to position the railcar in the storage tunnel. In the past and possibly in the future, other remote movers, e.g., standard locomotive with a string of railcar spacers, power winch, etc., have or could be used to position a railcar into the tunnel or to withdraw a car from the tunnel. The railcar storage positions are numbered sequentially, commencing with Position 1 that abuts the railstop bumper at the south end of each tunnel. Position 2 is the location of the railcar that abuts the railcar in Position 1 and so forth. The railcars and material remain in the storage tunnel until retrieval is required. Each railcar is retrievable; however, because the railcars are stored on a single, dead-end railroad track, the railcars can be removed only in reverse order (i.e., last in, first out).</p> <p>Transfers into or out of the PUREX Storage Tunnels were infrequent and were not manpower-intensive operations. A more detailed description of the operation of the PUREX Storage Tunnels is provided in Attachment 28, Chapter 4.0.</p>														
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 60%; padding: 2px;">WAC 173-303-830 Modification Class <sup>1 2</sup></td> <td style="width: 10%; padding: 2px;">Class 1</td> <td style="width: 10%; padding: 2px;">Class 1<sup>1</sup></td> <td style="width: 10%; padding: 2px;">Class 2</td> <td style="width: 10%; padding: 2px;">Class 3</td> </tr> <tr> <td style="padding: 2px;">Please mark the Modification Class:</td> <td style="text-align: center; padding: 2px;">X</td> <td></td> <td></td> <td></td> </tr> </table>					WAC 173-303-830 Modification Class <sup>1 2</sup>	Class 1	Class 1 <sup>1</sup>	Class 2	Class 3	Please mark the Modification Class:	X			
WAC 173-303-830 Modification Class <sup>1 2</sup>	Class 1	Class 1 <sup>1</sup>	Class 2	Class 3										
Please mark the Modification Class:	X													
<p>Enter relevant WAC 173-303-830, Appendix I Modification citation number: A.1                      Enter wording of WAC 173-303-830, Appendix I Modification citation:                      A.1. General Permit Provisions, Administrative and informational changes</p>														
<p>Modification Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (state reason for denial)                      Reason for denial:</p>			<p>Reviewed by Ecology:</p> <p style="text-align: center;"><i>G. P. Davis</i>                      G. P. Davis      7-25-05                      Date</p>											

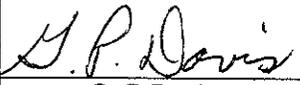
<sup>1</sup> Class 1 modifications requiring prior Agency approval.

<sup>2</sup> 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 Washington State Department of Ecology, or downgraded to a Class 1<sup>1</sup>, if appropriate.

<b>Hanford Facility RCRA Permit Modification Notification Form</b>														
Unit: <b>PUREX Storage Tunnels</b>	Permit Part & Chapter: <b>Part III, Chapter 3 and Attachment 28</b>													
<p><u>Description of Modification:</u>                      Remove and replace Chapter 2.0 with the attached Chapter 2.0 dated May 2005.                      Chapter 2.0, § 2.1.1:</p> <p><b>2.1.1 Tunnel Number 1 (218-E-14)</b></p> <p>Construction of Tunnel Number 1 was completed in 1956 and consists of three areas: the water-fillable door, the storage area, and the vent shaft (Figure 2.3). The water-fillable door is located at the north end of Tunnel Number 1 and separates the storage tunnel from the PUREX railroad tunnel. The door is 7.5 meters high, 6.6 meters wide, and 2.1 meters thick, and is constructed of 1.3 centimeter steel plate. The door is hollow so that the door can be filled with water to act as a shield when the door is in the down (closed) position. If the door is filled with water, the water must be pumped from the door before the door can be raised.</p> <p>Above the door is a reinforced concrete structure into which the door is raised to open the tunnel. Electric hoists used for opening and closing the door are located on the top of this concrete structure.</p> <p>Pumps and valves used for filling and draining the door are located in a room northwest of the door closure. Operational controls are located in the PUREX Plant on the north wall at the east end of the pipe and operating gallery.</p> <p>Beneath the water-fillable door is a sump with a 15.2-centimeter drain that connects to a railroad tunnel sump; water was pumped to the Double-Shell Tank System. The drain was sealed as part of deactivation activities.</p> <p>The storage area is that portion of the tunnel that extends southward from the water-fillable door. Inside dimensions of Tunnel Number 1 are 109.1 meters long, 6.7 meters high, and 5.9 meters wide. Ceiling and walls are 35.6 centimeters thick and constructed of 30.5- by 35.6-centimeter creosote pressure-treated Douglas fir timbers arranged side by side. The first 30.5 meters of the east wall are constructed of 0.9-meter-thick reinforced concrete (Section AA of Figure 2.3). A 40.8-kilogram- mineral-surface roofing material was used to cover the exterior surface of the timbers before placement of 2.4 meters of earth fill. The earth cover serves as protection from the elements and as radiation shielding. The timbers that form the walls rest on reinforced concrete footings 0.9 meter wide by 0.3 meter thick. The floor consists of a railroad track laid on a gravel bed. The space between the ties is filled to top-of-tie with gravel ballast. The tracks are on a 1.0 percent downward slope to the south to ensure that the railcars remain in their storage position. A railcar bumper is located 2.4 meters from the south end of the tracks to act as a stop. The capacity of the storage area is eight, 12.8-meter-long railcars.</p> <p>...</p>														
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 60%; padding: 2px;">WAC 173-303-830 Modification Class <sup>1 2</sup></td> <td style="width: 10%; padding: 2px;">Class 1</td> <td style="width: 10%; padding: 2px;">Class 1</td> <td style="width: 10%; padding: 2px;">Class 2</td> <td style="width: 10%; padding: 2px;">Class 3</td> </tr> <tr> <td style="padding: 2px;">Please mark the Modification Class:</td> <td style="text-align: center; padding: 2px;">X</td> <td></td> <td></td> <td></td> </tr> </table>					WAC 173-303-830 Modification Class <sup>1 2</sup>	Class 1	Class 1	Class 2	Class 3	Please mark the Modification Class:	X			
WAC 173-303-830 Modification Class <sup>1 2</sup>	Class 1	Class 1	Class 2	Class 3										
Please mark the Modification Class:	X													
<p>Enter relevant WAC 173-303-830, Appendix I Modification citation number: A.1                      Enter wording of WAC 173-303-830, Appendix I Modification citation:                      A.1. General Permit Provisions, Administrative and informational changes</p>														
<p>Modification Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (state reason for denial)                      Reason for denial:</p>			<p>Reviewed by Ecology:</p> <p style="text-align: center;"><i>G. P. Davis</i>      7-25-05                      _____                      G. P. Davis      Date</p>											

<sup>1</sup> Class 1 modifications requiring prior Agency approval.

<sup>2</sup> 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 Washington State Department of Ecology, or downgraded to a Class 1, if appropriate.

<b>Hanford Facility RCRA Permit Modification Notification Form</b>					
Unit: <b>PUREX Storage Tunnels</b>	Permit Part & Chapter: <b>Part III, Chapter 3 and Attachment 28</b>				
<p><u>Description of Modification:</u>                      Remove and replace Chapter 2.0 with the attached Chapter 2.0 dated May 2005.                      Chapter 2.0, § 2.1.2:  <b>2.1.2 Tunnel Number 2 (218-E-15)</b>                      Construction of Tunnel Number 2 was started and completed in 1964. Like Tunnel Number 1, Tunnel Number 2 consists of three functional areas: the water-fillable door, the storage area, and the vent shaft. Construction of Tunnel Number 2 differs from that of Tunnel Number 1 as follows.</p> <ul style="list-style-type: none"> <li>• A combination of steel and reinforced concrete was used in the construction of the storage area for Tunnel Number 2 (<del>Figure 2.4</del>) rather than wood timbers, as used in Tunnel Number 1.</li> <li>• Tunnel Number 2 is longer, having a storage capacity of five times that of Tunnel Number 1.</li> <li>• The floor of Tunnel Number 2, outboard of the railroad ties, slopes upward to a height of approximately 1.8 meters above the railroad bed, whereas the floor in Tunnel Number 1 remains flat all the way out to the sidewalls.</li> <li>• The railroad tunnel approach to Tunnel Number 2 angles eastward then angles southward to parallel Tunnel Number 1 (<del>Figure 2.1</del>). The approach to Tunnel Number 1 is a straight extension southward from the PUREX Plant. Center-line to center-line distance between the two tunnels is approximately 18.3 meters.</li> </ul> <p>The physical structure of the water-fillable door at the north end of Tunnel Number 2 essentially is identical to the water-fillable door for Tunnel Number 1. The water-fillable door for Tunnel Number 2 is approximately 57.9 meters south and 18.3 meters east of the water-fillable door for Tunnel Number 1 (<del>Figure 2.3</del>).</p> <p>...</p>					
WAC 173-303-830 Modification Class <sup>12</sup>		Class 1	Class <sup>1</sup> 1	Class 2	Class 3
Please mark the Modification Class:		X			
Enter relevant WAC 173-303-830, Appendix I Modification citation number: A.1 Enter wording of WAC 173-303-830, Appendix I Modification citation: A.1. General Permit Provisions, Administrative and informational changes					
Modification Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (state reason for denial) <u>Reason for denial:</u>			Reviewed by Ecology:  G. P Davis		
			7-25-05 Date		

<sup>1</sup> Class 1 modifications requiring prior Agency approval.

<sup>2</sup> 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 Washington State Department of Ecology, or downgraded to a Class <sup>1</sup>1, if appropriate.

<b>Hanford Facility RCRA Permit Modification Notification Form</b>														
Unit: <b>PUREX Storage Tunnels</b>	Permit Part & Chapter: <b>Part III, Chapter 3 and Attachment 28</b>													
<p><u>Description of Modification:</u> Remove and replace Chapter 2.0 with the attached Chapter 2.0 dated May 2005. Chapter 2.0, § 2.2:</p> <p><b>2.2 TOPOGRAPHIC MAP</b></p> <p>The Topographic map is provided in Chapter 1.0, Part A, (Drawing H-13-000264), shows the distance of at least 305 meters around the PUREX Storage Tunnels. This map is at a scale of 1 unit equals 2,000 units. The contour interval clearly shows the pattern of surface water flow in the vicinity of each storage tunnel. The map contains the following information:</p> <ul style="list-style-type: none"> <li>• Map scale</li> <li>• Date</li> <li>• Prevailing wind speed and direction</li> <li>• A north arrow</li> <li>• Surrounding land use</li> <li>• Buildings</li> <li>• Access road location</li> <li>• Access control</li> <li>• Monitoring and sampling well locations</li> <li>• TSD unit locations.</li> </ul>														
<p>WAC 173-303-830 Modification Class <sup>12</sup></p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;"></th> <th style="width: 10%;">Class 1</th> <th style="width: 10%;">Class <sup>1</sup>1</th> <th style="width: 10%;">Class 2</th> <th style="width: 10%;">Class 3</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">Please mark the Modification Class:</td> <td style="text-align: center;">X</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>						Class 1	Class <sup>1</sup> 1	Class 2	Class 3	Please mark the Modification Class:	X			
	Class 1	Class <sup>1</sup> 1	Class 2	Class 3										
Please mark the Modification Class:	X													
<p>Enter relevant WAC 173-303-830, Appendix I Modification citation number: A.1</p> <p>Enter wording of WAC 173-303-830, Appendix I Modification citation: A.1. General Permit Provisions, Administrative and informational changes</p>														
<p>Modification Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (state reason for denial)</p> <p><u>Reason for denial:</u></p>			<p>Reviewed by Ecology:</p> <div style="text-align: center;"> <p>G. P. Davis</p> </div> <div style="text-align: right; margin-top: 10px;"> <p>7-25-05 Date</p> </div>											

<sup>1</sup> Class 1 modifications requiring prior Agency approval.

<sup>2</sup> 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 Washington State Department of Ecology, or downgraded to a Class <sup>1</sup>1, if appropriate.

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Hanford Facility RCRA Permit Modification Notification Forms

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Part VI, Chapter 1  
300 Area Process Trenches

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Page 2 of 3: Hanford Facility RCRA Permit, VI.1

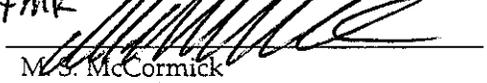
Page 3 of 3: Chapter 1.0, Part A

Submitted by Co-Operator:

  
M. B. Lackey

5/23/05  
Date

Reviewed by RI Program Office:

*FMR*  
  
M. S. McCormick

6/24/05  
Date

<b>Hanford Facility RCRA Permit Modification Notification Form</b>														
Unit: <b>300 Area Process Trenches</b>	Permit Part & Chapter: <b>Part VI, Chapter 1 and Attachment 31</b>													
<p><u>Description of Modification:</u> Hanford Facility RCRA Permit, VI.1:</p> <p style="text-align: center;"><b>CHAPTER 1</b> <b>300 Area Process Trenches</b></p> <p>The 300 Area Process Trenches were operated to receive effluent discharges of dangerous mixed waste from fuel fabrication laboratories in the 300 Area. This chapter sets forth the modified closure requirements.</p> <p><b>VI.1.A. <u>COMPLIANCE WITH APPROVED MODIFIED CLOSURE PLAN</u></b></p> <p>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:</p> <p><b><u>ATTACHMENT 31:</u></b></p> <p>Chapter 1.0 Part A Dangerous Waste Permit, Revision <del>65A</del>, from Class 1 modification dated <del>May 2005</del> February 2004</p> <p>Chapter 2.0 Introduction, from Class 1 modification dated June 30, 2002</p> <p>Chapter 3.0 300 Area Process Trenches Groundwater Monitoring Plan, RCRA Final Status Compliance Monitoring Plan (i.e., WHC-SD-EN-AP-185), dated June 30, 2002</p> <p>Chapter 4.0 Closure Contact, from Class 1 Modification dated February 2004</p> <p>Chapter 5.0 Certification of Postclosure, from Class 1 Modification dated February 2004</p> <p>Chapter 8.0 Postclosure, from Class 1 modification dated June 30, 2002</p> <p><b>VI.1.B. <u>AMENDMENTS TO THE APPROVED MODIFIED CLOSURE PLAN</u></b></p> <p>VI.1.B.1. Pursuant to Permit Condition II.K.7, 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.</p> <p>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.</p>														
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 60%; padding: 5px;">WAC 173-303-830 Modification Class <sup>1 2</sup></td> <td style="width: 10%; padding: 5px;">Class 1</td> <td style="width: 10%; padding: 5px;">Class 1</td> <td style="width: 10%; padding: 5px;">Class 2</td> <td style="width: 10%; padding: 5px;">Class 3</td> </tr> <tr> <td style="padding: 5px;">Please mark the Modification Class:</td> <td style="text-align: center; padding: 5px;">X</td> <td></td> <td></td> <td></td> </tr> </table>					WAC 173-303-830 Modification Class <sup>1 2</sup>	Class 1	Class 1	Class 2	Class 3	Please mark the Modification Class:	X			
WAC 173-303-830 Modification Class <sup>1 2</sup>	Class 1	Class 1	Class 2	Class 3										
Please mark the Modification Class:	X													
<p>Enter relevant WAC 173-303-830, Appendix I Modification citation number: A.1</p> <p>Enter wording of WAC 173-303-830, Appendix I Modification citation:</p> <p>A.1. General Permit Provisions, Administrative and informational changes</p>														
<p>Modification Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (state reason for denial)</p> <p><u>Reason for denial:</u></p>			<p>Reviewed by Ecology:</p> <p style="text-align: center;"><i>G. P. Davis</i> G. P Davis</p> <p style="text-align: right;">7-25-05 Date</p>											

<sup>1</sup> Class 1 modifications requiring prior Agency approval.

<sup>2</sup> 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 Washington State Department of Ecology, or downgraded to a Class 1, if appropriate.

<b>Hanford Facility RCRA Permit Modification Notification Form</b>				
Unit: <b>300 Area Process Trenches</b>	Permit Part & Chapter: <b>Part VI, Chapter 1 and Attachment 31</b>			
<p><u>Description of Modification:</u>                      Remove and replace Chapter 1.0 with the attached Chapter 1.0 dated May 2005.                      Adopted the new Ecology Part A Form [ECY 030-31 Hanford (Rev. 3/5/04)].</p>				
WAC 173-303-830 Modification Class <sup>1 2</sup> Please mark the Modification Class:	Class 1 X	Class 1	Class 2	Class 3
Enter relevant WAC 173-303-830, Appendix I Modification citation number: A.1 Enter wording of WAC 173-303-830, Appendix I Modification citation: A.1. General Permit Provisions, Administrative and informational changes.				
Modification Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (state reason for denial). Reason for denial:	Reviewed by Ecology: <div style="text-align: right; margin-top: 10px;">                           G. P. Davis                     </div> <div style="text-align: right; margin-top: 10px;">                         7-25-05                          Date                     </div>			

<sup>1</sup> Class 1 modifications requiring prior Agency approval.

<sup>2</sup> 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 Washington State Department of Ecology, or downgraded to a Class 1, if appropriate.

**Hanford Facility RCRA Permit Modification Notification Forms**

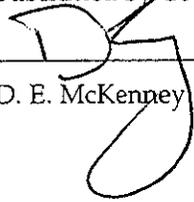
**Part III, Chapter 4 and Attachment 34  
Liquid Effluent Retention Facility and 200 Area Effluent Treatment Facility**

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Page 2 of 3    Hanford Facility RCRA Permit, III.4

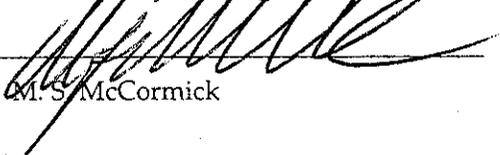
Page 3 of 3:    Attachment 34, Chapter 1.0

Submitted by Co-Operator:

  
D. E. McKenney

06/10/05  
Date

Reviewed by RL Program Office:

  
M. S. McCormick

6/20/05  
Date

<b>Hanford Facility RCRA Permit Modification Notification Form</b>				
Unit: <b>LERF &amp; 200 Area ETF</b>	Permit Part & Chapter: <b>Part III, Chapter 4 and Attachment 34</b>			
<u>Description of Modification:</u> Hanford Facility RCRA Permit, III.4:				
<p><b>CHAPTER 4</b></p> <p><b>Liquid Effluent Retention Facility and 200 Area Effluent Treatment Facility</b></p> <p>This Chapter sets forth the operating Conditions for the Liquid Effluent Retention Facility (LERF) and the Effluent Treatment Facility (ETF).</p> <p>III.4.A      <u>COMPLIANCE WITH APPROVED PERMIT APPLICATION</u></p> <p>The Permittees shall comply with all requirements set forth in Attachment 34, including the Amendments specified in Condition III.4.B, if any exist. Enforceable portions of the application are listed below; all subsections, figures, and tables included in these portions are also enforceable, unless stated otherwise:</p> <p><u>ATTACHMENT 34:</u></p> <p>Chapter 1.0      Part A Dangerous Waste Permit, <u>Revision 0</u>, from Class 1 modification dated <u>May 2005 December 31, 2003</u>                                               <del>LERF, Revision 6B, 200 Area ETF, Revision 3B</del></p> <p>Chapter 2.0      Unit Description from Class 1 modification dated March 2003</p> <p>Chapter 3.0      Waste Analysis Plan, from Class 1 modification dated August 2004</p> <p>Chapter 4.0      Process Information, from Class 1 modification dated December 31, 2004</p> <p>Chapter 5.0      Ground Water Monitoring (PNNL-11620 and WHC-SD-EN-AP-024), from Class 1 modification dated March 2003</p> <p>Chapter 6.0      Procedures to Prevent Hazards, from Class 1 modification dated December 31, 2003</p> <p>Chapter 7.0      Contingency Plan, from Class 1 modification dated August 2004</p> <p>Chapter 8.0      Personnel Training, from Class 1 modification dated March 2003</p> <p>Chapter 11.0      Closure and Financial Assurance, from Class 1 modification dated February 2004</p> <p>Chapter 12.0      Reporting and Recordkeeping, from Class 1 modification dated August 2004</p> <p>Chapter 13.0      Other Federal and State Laws, from Class 1 modification dated August 2004</p> <p>III.4.B.      <u>AMENDMENTS TO THE APPROVED PERMIT APPLICATION</u></p> <p>III.4.B.1.      Interim status Groundwater Monitoring Plan for the 200 East Area Liquid Effluent Treatment Facility, WHC-SD-EN-AP-024</p>				
WAC 173-303-830 Modification Class <sup>1 2</sup>	Class 1	Class '1	Class 2	Class 3
Please mark the Modification Class:	X			
Enter relevant WAC 173-303-830, Appendix I Modification citation number: A.1				
Enter wording of WAC 173-303-830, Appendix I Modification citation:				
A.1. General Permit Provisions, Administrative and informational changes				
Modification Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (state reason for denial)			Reviewed by Ecology:	
<u>Reason for denial:</u>			<div style="text-align: right;">                       G. P. Davis      7-25-05                      Date                 </div>	

<sup>1</sup> Class 1 modifications requiring prior Agency approval.

<sup>2</sup> 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 a Class'1, if appropriate.

<b>Hanford Facility RCRA Permit Modification Notification Form</b>				
Unit: <b>LERF &amp; 200 Area ETF</b>	Permit Part & Chapter: <b>Part III, Chapter 4 and Attachment 34</b>			
<u>Description of Modification:</u>				
Remove and replace Chapter 1.0 with the attached Chapter 1.0 dated May 2005.				
Adopted the new Ecology Part A Form [ECY 030-31 Hanford (Rev. 3/5/04)].				
Combined the Liquid Effluent Retention Facility (LERF) Part A, Revision 6B and 200 Area Effluent Treatment Facility (ETF) Part A, Revision 3B on one Part A form. Please update your Part A database to replace the two Part A forms with the one LERF and 200 Area ETF Part A, Revision 0, dated May 2005.				
WAC 173-303-830 Modification Class <sup>1 2</sup>	Class 1	Class 1	Class 2	Class 3
Please mark the Modification Class:	X			
Enter relevant WAC 173-303-830, Appendix I Modification citation number: A.1				
Enter wording of WAC 173-303-830, Appendix I Modification citation:				
A.1. General Permit Provisions, Administrative and informational changes				
Modification Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (state reason for denial)			Reviewed by Ecology:	
<u>Reason for denial:</u>			<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">                       G. P. Davis                 </div> <div style="text-align: center;">                     7-25-05                      Date                 </div> </div>	

<sup>1</sup> Class 1 modifications requiring prior Agency approval.

<sup>2</sup> 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 a Class<sup>1</sup>, if appropriate.

**Hanford Facility RCRA Permit Modification Notification Forms**

**Part III, Chapter 5 and Attachment 35  
242-A Evaporator**

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Page 2 of 3    Hanford Facility RCRA Permit, III.5

Page 3 of 3:    Chapter 1.0

Submitted by Co-Operator:

*Edward S. Aromi, Jr.*  
Edward S. Aromi, Jr

Reviewed by ORP Program Office:

*Shirley Olinger*    6/16/05  
*for* Roy J. Schepens    *Shirley Olinger*



<b>Hanford Facility RCRA Permit Modification Notification Form</b>				
Unit: <b>242-A Evaporator</b>	Permit Part & Chapter: <b>Part III, Chapter 5 and Attachment 35</b>			
<p><u>Description of Modification:</u>                      Remove and replace Chapter 1.0 with the attached Chapter 1.0 dated May 2005.                      Adopted the new Ecology Part A Form [ECY 030-31 Hanford (Rev. 3/5/04)].</p>				
WAC 173-303-830 Modification Class <sup>1 2</sup> Please mark the Modification Class:	Class 1	Class <sup>1</sup>	Class 2	Class 3
	X			
Enter relevant WAC 173-303-830, Appendix I Modification citation number: A.1 Enter wording of WAC 173-303-830, Appendix I Modification citation: A.1. General Permit Provisions, Administrative and informational changes				
Modification Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (state reason for denial) <u>Reason for denial:</u>	Reviewed by Ecology:  G. P Davis <span style="float: right;">7-25-05</span> <span style="float: right;">Date</span>			

<sup>1</sup> Class 1 modifications requiring prior Agency approval.

<sup>2</sup> 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 a Class<sup>1</sup>, if appropriate.

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**Hanford Facility RCRA Permit Modification Notification Forms**

**Part III, Chapter 6  
325 Hazardous Waste Treatment Facility**

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Page 2 of 3: Hanford Facility RCRA Permit, III.6

Page 3 of 3: Chapter 1.0, Part A

Submitted by Co-Operator:

Alice K. Ikenberry

Alice K. Ikenberry

5/19/05

Date

Reviewed by RL Program Office:

L. Erickson

L. Erickson

6-23-05

Date

<b>Hanford Facility RCRA Permit Modification Notification Form</b>														
Unit: <b>325 Hazardous Waste Treatment Facility</b>	Permit Part & Chapter: <b>Part III, Chapter 6 and Attachment 36</b>													
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<sup>1</sup> Class 1 modifications requiring prior Agency approval.

<sup>2</sup> 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 Washington State Department of Ecology, or downgraded to a Class '1, if appropriate.

<b>Hanford Facility RCRA Permit Modification Notification Form</b>														
Unit: <b>325 Hazardous Waste Treatment Facility</b>	Permit Part & Chapter: <b>Part III, Chapter 6 and Attachment 36</b>													
<u>Description of Modification:</u> Remove and replace Chapter 1.0 with the attached Chapter 1.0 dated May 2005. Adopted the new Ecology Part A Form [ECY 030-31 Hanford (Rev. 3/5/04)].														
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<sup>1</sup> Class 1 modifications requiring prior Agency approval.

<sup>2</sup> 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 Washington State Department of Ecology, or downgraded to a Class '1, if appropriate.

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Hanford Facility RCRA Permit Modification Notification Forms

Part VI, Chapter 2  
183-H Solar Evaporation Basins

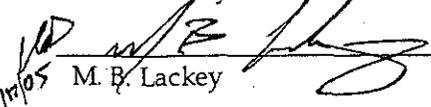
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Submitted by Co-Operator:

*5/19/05*  
  
M. B. Lackey

5/19/05  
Date

Reviewed by RL Program Office:

*FMR*  
  
M. B. McCormick

6/2/05  
Date

<b>Hanford Facility RCRA Permit Modification Notification Form</b>														
Unit: <b>183-H Solar Evaporation Basins</b>	Permit Part & Chapter: <b>Part VI, Chapter 2 and Attachment 37</b>													
<p><u>Description of Modification:</u> Hanford Facility RCRA Permit, VI.2:</p> <p style="text-align: center;"><b>CHAPTER 2</b></p> <p style="text-align: center;"><b>183-H Solar Evaporation Basins</b></p> <p>The 183-H Solar Evaporation Basins comprise an inactive TSD unit that is undergoing postclosure activities. This TSD unit was operated as an evaporation treatment unit for dangerous wastes.</p> <p>VI.2.A.        <u>COMPLIANCE WITH APPROVED MODIFIED CLOSURE PLAN</u></p> <p>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:</p> <p><u>ATTACHMENT 37:</u></p> <p>Chapter 1.0    Part A Dangerous Waste Permit, Revision <u>65A</u>, from Class 1 modification dated <u>May 2005</u> <del>February 2004</del></p> <p>Chapter 2.0    Modified Postclosure Institutional Controls and Periodic Assessments, from Class 1 modification dated June 30, 2002</p> <p>Chapter 3.0    Ground Water Monitoring During Postclosure, from Class 1 modification dated June 30, 2002</p> <p>Chapter 4.0    Corrective Action Plan, from Class 1 modification dated June 30, 2002</p> <p>Chapter 5.0    Personnel Training During Postclosure, from Class 1 modification dated June 30, 2002</p> <p>Chapter 6.0    Security, from Class 1 modification dated February 2004</p> <p>Chapter 7.0    Closure Contact, from Class 1 modification dated February 2004</p> <p>Chapter 8.0    Certification of Postclosure, from Class 1 modification dated June 30, 2002</p> <p>VI.2.B.        <u>AMENDMENTS TO THE APPROVED POST-CLOSURE PLAN</u></p> <p>VI.2.B.1.     The Permittee will review the modified closure option in five (5) years (February 28, 2008). The purpose of the review will be to determine if this TSD unit can be clean closed.</p>														
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 60%; padding: 5px;">WAC 173-303-830 Modification Class <sup>1 2</sup></td> <td style="width: 10%; padding: 5px;">Class 1</td> <td style="width: 10%; padding: 5px;">Class 1</td> <td style="width: 10%; padding: 5px;">Class 2</td> <td style="width: 10%; padding: 5px;">Class 3</td> </tr> <tr> <td style="padding: 5px;">Please mark the Modification Class:</td> <td style="text-align: center; padding: 5px;">X</td> <td></td> <td></td> <td></td> </tr> </table>					WAC 173-303-830 Modification Class <sup>1 2</sup>	Class 1	Class 1	Class 2	Class 3	Please mark the Modification Class:	X			
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<sup>1</sup> Class 1 modifications requiring prior Agency approval.

<sup>2</sup> 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 Washington State Department of Ecology, or downgraded to a Class 1, if appropriate.

<b>Hanford Facility RCRA Permit Modification Notification Form</b>				
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Please mark the Modification Class:	X			
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Modification Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (state reason for denial) <u>Reason for denial:</u>		Reviewed by Ecology:  G. P Davis		
		7-25-05 Date		

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**Hanford Facility RCRA Permit Modification Notification Forms**

**Part III, Chapter 6  
325 Hazardous Waste Treatment Units**

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Page 16 of 31:	Chapter 3.0, §3.3.4	Page 31 of 31:	Chapter 7.0, Table 7.1

Submitted by Co-Operator:

Alice K. Ikenberry  
Alice K. Ikenberry

Reviewed by RL Program Office:

6 June 05 LRD J. Erickson  
Date L. Erickson

6-16-05  
Date

<b>Hanford Facility RCRA Permit Modification Notification Form</b>														
Unit: <b>325 Hazardous Waste Treatment Units</b>	Permit Part & Chapter: <b>Part III, Chapter 6 and Attachment 36</b>													
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<sup>1</sup> Class 1 Modifications requiring prior Agency Approval.

<sup>2</sup> 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 downgraded to a Class '1, if appropriate.

<b>Hanford Facility RCRA Permit Modification Notification Form</b>														
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<b>Description of Modification:</b> Remove and replace Chapter 2.0 with the attached Chapter 2.0 dated June 30, 2005. Chapter 2.0, §2.1:														
<b>2.1 DESCRIPTION OF 325 HAZARDOUS WASTE TREATMENT UNITS</b>														
<p><u>The 325 HWTUs are located within the 325 Building, located in the 300 Area on the Hanford Facility. The 325 Building (known as the Radiochemical Processing Laboratory (RPL)) includes the following: (1) a central portion (completed in 1953) that consists of three floors (basement, ground, and second) containing offices and general purpose laboratories, provided with special ventilation and work enclosures, designed for radiochemical work; (2) a south (front) wing containing office space, locker rooms, and a lunch room; and (3) east and west wings containing shielded "hot cells" with remote manipulators. Non-Treatment, Storage, and Disposal (non-TSD) activities within the 325 Building include radiochemistry research, radioanalytical service, and radiochemical process development activities.</u></p> <p><u>Please note that source, special nuclear, and by-product materials, as defined in the Atomic Energy Act of 1954 (AEA), are regulated at DOE facilities exclusively by DOE acting pursuant to its AEA authority. These materials are not subject to regulation by the State of Washington. All information contained herein and related to, or describing AEA-regulated materials and processes in any manner, may not be used to create conditions or other restrictions set forth in any permit, license, order, or any other enforceable instrument. DOE asserts that pursuant to the AEA, it has sole and exclusive responsibility and authority to regulate source, special nuclear, and by-product materials at DOE-owned nuclear facilities. Information contained herein on radionuclides is provided for process description purposes only.</u></p> <p><u>The 325 HWTUs include two subunits located in portions of the basement and ground floors. The Shielded Analytical Laboratory (SAL) is located in Rooms 32, 200, 201, 202, and 203. The HWTU is located in Rooms 520, 524, and 528.</u></p> <p><u>The 325 HWTUs receive, store, and treat dangerous waste generated by Hanford programs (primarily from research activities in the 325 Building and other Pacific Northwest National Laboratory [PNNL] facilities). Storage and treatment of dangerous waste in containers occurs in the HWTU. At the SAL, dangerous waste is stored and treated in a tank and in containers. As detailed in Chapter 4.0, containers are managed in accordance with WAC 173-303-630, and the tank systems are managed and operated in accordance with WAC 173-303-640. A more detailed discussion of the waste types treated and stored and the identification of processes and equipment are provided in Chapters 3.0 and 4.0, respectively.</u></p> <p><u>Container and tank storage limits, and annual and daily treatment limits are listed in Chapter 1.0. Waste treatment processes could include pH adjustment, ion exchange, carbon absorption, oxidation, reduction, and waste concentration by evaporation, precipitation, filtration, solvent extraction, phase separation, solids washing, catalytic destruction, and solidification and/or stabilization. These waste treatments are conducted on small quantities of diverse dangerous waste generated from research and development and analytical chemistry activities.</u></p>														
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 60%; padding: 5px;">                     WAC 173-303-830 Modification Class <sup>1 2</sup>                      Please mark the Modification Class:                 </td> <td style="width: 10%; text-align: center; padding: 5px;">Class 1</td> <td style="width: 10%; text-align: center; padding: 5px;">Class '1</td> <td style="width: 10%; text-align: center; padding: 5px;">Class 2</td> <td style="width: 10%; text-align: center; padding: 5px;">Class 3</td> </tr> <tr> <td style="padding: 5px;"></td> <td style="text-align: center; padding: 5px;">X</td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> </tr> </table>					WAC 173-303-830 Modification Class <sup>1 2</sup> Please mark the Modification Class:	Class 1	Class '1	Class 2	Class 3		X			
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Modification Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (state reason for denial) Reason for denial: <i>[Signature]</i>			Reviewed by Ecology: <i>[Signature]</i> G. P Davis <span style="float: right;">7-25-05</span> Date											

<sup>1</sup> Class I Modifications requiring prior Agency Approval.

<sup>2</sup> 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 downgraded to a Class '1, if appropriate.

<b>Hanford Facility RCRA Permit Modification Notification Form</b>				
Unit: <b>325 Hazardous Waste Treatment Units</b>	Permit Part & Chapter: <b>Part III, Chapter 6 and Attachment 36</b>			
<p><u>Description of Modification:</u> Remove and replace Chapter 2.0 with the attached Chapter 2.0 dated June 30, 2005. Chapter 2.0, §2.1.1:</p> <p><b><u>2.1.1 Shielded Analytical Laboratory</u></b></p> <p><u>The west wing of the 325 Building houses a hot cell area (completed in 1963 and upgraded in the mid-1970s) known as the Shielded Analytical Laboratory (SAL). The SAL consists of five rooms: basement level Room 32 and ground-floor level Rooms 200, 201, 202, and 203. Chapter 1.0 provides a drawing of Room 32 showing the location of the SAL tank.</u></p> <p><u>The SAL is designed as a high-level radiation analytical chemistry area where activities are integrated with the operations of other analytical chemistry laboratories in the 325 Building. The SAL is divided into four distinct areas: the front face (Room 201), the hot cells, the back face (Rooms 200, 202, and 203), and Room 32.</u></p> <p><u>The SAL includes eight hot cells, six of which are interconnected and situated side by side. Two hot cells located in Room 203 are used for work with highly radioactive materials, and not to treat or store dangerous waste. The six interconnected hot cells are designed to handle samples with high radiation dose rates. The east side of each compartment, which faces into Room 201, is equipped with two manipulators and with high-density lead-glass viewing windows having the same shielding effect as the walls. These compartments are used for analytical chemistry operations as well as for TSD operations. An interconnected stainless steel trough runs along the front of all the hot cells. The trough is the means by which liquid dangerous waste flows by gravity through stainless steel piping to the SAL tank.</u></p> <p><u>The back face of the SAL is divided into three rooms (Rooms 200, 202, and 203). For ALARA reasons, a special storage area exists in Room 202 is used to store containers of mixed waste with high radiological dose rate material.</u></p> <p><u>The SAL hazardous waste tank system is located in Room 32, which is in the basement of the 325 Building. This tank system consists of the tank; associated piping, valves and pumps; and the secondary containment. The SAL tank is a double-walled tank constructed of stainless steel with a capacity of 1,218 liters. The tank is placed within a cylindrical stainless steel containment structure that provides tertiary containment. The liquid dangerous waste drains by gravity from the trough in the SAL hot cells to the SAL tank via stainless steel drain lines. The RLW system piping is a 316L stainless steel single pipeline inside the basement. A pressurized transfer line allows the tank contents to be transferred back up to the hot cells for treatment prior to disposal. The SAL tank utilizes a remote video monitoring system and three tank-level monitoring devices.</u></p> <p><u>The SAL serves two purposes: (1) sample preparation and analyses of mixed waste and highly radioactive materials for various clients and (2) treatment of dangerous waste generated during analytical work within the SAL and potentially from other onsite and/or offsite facilities. Dangerous waste treatment could include pH adjustment, ion exchange, and waste concentration by evaporation, precipitation and/or filtration and solvent extraction, solids washing, and solidification and/or stabilization. Operations are conducted by manipulator or other remote equipment.</u></p>				
WAC 173-303-830 Modification Class <sup>12</sup>	Class 1	Class '1	Class 2	Class 3
Please mark the Modification Class:	X			
Enter relevant WAC 173-303-830, Appendix I Modification citation number: A.1				
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Unit: <b>325 Hazardous Waste Treatment Units</b>	Permit Part & Chapter: <b>Part III, Chapter 6 and Attachment 36</b>													
<b>Description of Modification:</b> Remove and replace Chapter 2.0 with the attached Chapter 2.0 dated June 30, 2005. Chapter 2.0, §2.1.2:														
<b>2.1.2 Hazardous Waste Treatment Unit</b> <u>The HWTU consists of three rooms (Rooms 520, 524 and 528) located in the northeast corner of the main floor of the 325 Building. The rooms are multipurpose laboratory space that has been adapted to hazardous waste management. The three rooms together occupy an area approximately 69'x32'. Containerized dangerous and mixed waste is stored and/or treated in these rooms. The storage of containers in the HWTU for greater than 90 days is conducted in compliance with WAC 173-303-630.</u> <u>Container storage takes place in cabinets, drums, and other devices in these rooms. Engineered devices (such as pans and containment pallets) are used where necessary to store drums and other large containers requiring secondary containment.</u> <u>The treatment processes used in the unit are bench-scale operations that are portable and can be conducted at various locations within the HWTU. Routine treatments that could be conducted in the HWTU include pH adjustment, ion exchange, carbon absorption, oxidation, reduction, and waste concentration by evaporation, precipitation, filtration, phase separation, catalytic destruction, and solidification and/or stabilization.</u>														
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 60%; padding: 2px;">WAC 173-303-830 Modification Class <sup>1 2</sup></td> <td style="width: 10%; padding: 2px;">Class 1</td> <td style="width: 10%; padding: 2px;">Class '1</td> <td style="width: 10%; padding: 2px;">Class 2</td> <td style="width: 10%; padding: 2px;">Class 3</td> </tr> <tr> <td style="padding: 2px;">Please mark the Modification Class:</td> <td style="text-align: center; padding: 2px;">X</td> <td></td> <td></td> <td></td> </tr> </table>					WAC 173-303-830 Modification Class <sup>1 2</sup>	Class 1	Class '1	Class 2	Class 3	Please mark the Modification Class:	X			
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Modification Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (state reason for denial) Reason for denial: <i>[Handwritten signature]</i>			Reviewed by Ecology: <i>[Handwritten signature: G. P. Davis]</i> 7-25-05 G. P Davis Date											

<sup>1</sup> Class 1 Modifications requiring prior Agency Approval.

<sup>2</sup> 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 downgraded to a Class '1, if appropriate.

<b>Hanford Facility RCRA Permit Modification Notification Form</b>														
Unit: <b>325 Hazardous Waste Treatment Units</b>	Permit Part & Chapter: <b>Part III, Chapter 6 and Attachment 36</b>													
<p><u>Description of Modification:</u> Remove and replace Chapter 3.0 with the attached Chapter 3.0 dated June 30, 2005. Chapter 3.0, §3.1:</p> <p><b>3.1 CHEMICAL, BIOLOGICAL, AND PHYSICAL ANALYSIS</b></p> <p>The dangerous waste managed at the 325 HWTUs can be categorized as originating from the following general sources:</p> <ul style="list-style-type: none"> <li>• listed waste from specific and nonspecific sources</li> <li>• laboratory waste resulting from analysis of samples</li> <li>• discarded commercial chemical products</li> <li>• hazardous or mixed waste from chemicals synthesized or created in research activities using radioactive isotopes</li> <li>• discarded commercial chemical products exhibiting dangerous-waste characteristics and/or criteria.</li> </ul> <p>Each of these waste categories is discussed in the following sections, including waste descriptions, hazard characteristics, and basis for hazard designations. This information includes data that must be known to treat, store, or dispose of the waste as required under WAC 173-303-806(4)(a)(ii). <u>Process information is provided in Chapter 4.0.</u></p>														
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<p>Modification Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (state reason for denial)</p> <p><u>Reason for denial:</u> <i>300</i></p>			<p>Reviewed by Ecology:</p> <p style="text-align: center;"><i>G.P. Davis</i>      <i>7-25-05</i></p> <p style="text-align: center;">G. P Davis      Date</p>											

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<b>Hanford Facility RCRA Permit Modification Notification Form</b>					
Unit: <b>325 Hazardous Waste Treatment Units</b>	Permit Part & Chapter: <b>Part III, Chapter 6 and Attachment 36</b>				
<b>Description of Modification:</b> Remove and replace Chapter 3.0 with the attached Chapter 3.0 dated June 30, 2005. Chapter 3.0, §3.1.1: <b>3.1.1 Listed Waste from Specific and Nonspecific Sources</b> Waste from specific and nonspecific sources consists of listed waste identified in WAC 173-303-9904. Chapter 1.0, for the 325 HWTUs identifies the following waste from this category: <ul style="list-style-type: none"> <li>• F001 – Spent halogenated degreasing solvents and sludges</li> <li>• F002 – Spent halogenated solvents and still bottoms</li> <li>• F003 – Spent nonhalogenated solvents and still bottoms</li> <li>• F004 – Spent nonhalogenated solvents and still bottoms</li> <li>• F005 – Spent nonhalogenated solvents and still bottoms</li> <li>• F006 – Wastewater-treatment sludges from electroplating operations</li> <li>• F007 – Spent cyanide-plating-bath solutions from electroplating operations</li> <li>• F009 – Spent stripping- and cleaning-bath solutions from electroplating operations where cyanides are used in the process</li> <li>• F027 – Discarded polychlorinated phenol formulations</li> <li>• F039 – Leachate resulting from the disposal of more than one restricted waste classified as hazardous</li> <li>• K011 – Bottom stream from the wastewater stripper in the production of acrylonitrile</li> <li>• K013 – Bottom stream from acrylonitrile column in the production of acrylonitrile</li> <li>• K048 – Dissolved air flotation (DAF) float from petroleum-refining industry</li> <li>• K049 – Slop oil-emulsion solids from the petroleum-refining industry</li> <li>• K050 – Heat exchange, bundle-cleaning sludge from petroleum-refining industry</li> <li>• K051 – American Petroleum Institute separator sludge from the petroleum-refining industry</li> <li>• K052 – Tank bottoms (leaded) from the petroleum-refining industry.</li> </ul> <p>These halogenated and nonhalogenated solvents are in the form of spent solvents; no still bottoms are managed. <u>These listed solvents are managed in containers and in the SAL tank system.</u> Degreasing solvents (F001) as well as spent halogenated solvents (F002) are generated primarily in research and analytical processes. Spent nonhalogenated solvents (F003, F004, and F005) also come primarily from research laboratories. Much of the waste to be treated in the 325 HWTUs results from analyses of waste samples from sources already designated as F001 through F005. Manufacturing activities are not performed on the Hanford Facility; therefore, dangerous waste from specific sources (WAC 173-303-9904 K-listed waste) is not generated at PNNL. Small quantities of K-listed waste, however, have been generated from treatability studies at PNNL in the past; the residues from these tests could be treated at the 325 HWTUs.</p> <p>The F-listed waste is designated on the basis of the process knowledge (e.g., information from container labels, material safety data sheets [MSDS], or process information). Sampling might be performed if additional information is needed to document the composition and characteristics of the waste. The generator is responsible for specifying the characteristics of the waste, based on knowledge of the chemical products used (i.e., information supplied by the manufacturer) and the process that generated the waste. The F001- and F002-listed waste types are designated according to WAC 173-303-70 through WAC 173-303-100.</p> <p>The K-listed waste in Chapter 1.0, is designated based on the source of the process generating the original waste. These waste types are designated as dangerous waste, unless the waste is mixed with other constituents that require the mixture to be designated as extremely hazardous waste.</p>					
WAC 173-303-830 Modification Class <sup>1 2</sup> Please mark the Modification Class:					
		Class 1	Class '1	Class 2	Class 3
		X			
Enter relevant WAC 173-303-830, Appendix I Modification citation number: A.1 Enter wording of WAC 173-303-830, Appendix I Modification citation: A.1. General Permit Provisions, Administrative and informational changes					
Modification Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (state reason for denial) Reason for denial: <i>JJD</i>			Reviewed by Ecology: <i>G. P. Davis</i> 7-25-05 G. P Davis Date		

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<b>Hanford Facility RCRA Permit Modification Notification Form</b>														
Unit: <b>325 Hazardous Waste Treatment Units</b>	Permit Part & Chapter: <b>Part III, Chapter 6 and Attachment 36</b>													
<b>Description of Modification:</b> Remove and replace Chapter 3.0 with the attached Chapter 3.0 dated June 30, 2005. Chapter 3.0, §3.1.7:  <b>3.1.7 Manifest System</b> Onsite waste shipments are manifested pursuant to Hanford Facility RCRA Permit (Permit) Condition II.P.2. Offsite waste shipments are manifested in accordance with the requirements of WAC 173-303-370 and -180. <u>The process for managing waste shipment documentation is given in Section 3.10.</u>														
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Modification Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (state reason for denial) Reason for denial: <i>yyed</i>			Reviewed by Ecology: <div style="text-align: center;">                           _____                          G. P. Davis                     </div> <div style="text-align: right;">                         7-25-05                          _____                          Date                     </div>											

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Unit: <b>325 Hazardous Waste Treatment Units</b>	Permit Part & Chapter: <b>Part III, Chapter 6 and Attachment 36</b>													
<p><b>Description of Modification:</b> Remove and replace Chapter 3.0 with the attached Chapter 3.0 dated June 30, 2005. Chapter 3.0, §3.1.7.1:</p> <p><b>3.1.7.1 Procedures for Receiving Shipments</b></p> <p>The onsite generator is responsible for identifying waste composition accurately and arranging for the transport of the waste. A copy of all other pertinent operating records are maintained by the 325 HWTUs for 5 years. The waste-tracking methods are as follows.</p> <p><b>Inspection of Transfer Papers/Documentation</b> – The necessary transfer papers for the entire transfer are verified (i.e., signatures are dated, all waste containers included in the transfer are accounted for and correctly indicated on the transfer documentation, there is consistency throughout the different transfer between documents provided that describe the waste(s) being transferred, and the documentation matches the labels on the containers).</p> <p><b>Inspection of Waste Containers</b> – The condition of waste containers is checked to verify that the containers are in good condition (e.g., free of holes and punctures).</p> <p><b>Inspection of Container Labeling</b> – Transfer documentation is used to verify containers are labeled with the appropriate "Hazardous/Dangerous Waste" labeling and associated markings according to the contents of the waste container.</p> <p><b>Acceptance of Waste Containers</b> – The 325 HWTUs personnel sign the transfer documents and retain a copy.</p> <p>If transport will be over public roads (unless those roads are closed to public access during waste transport), a Uniform Hazardous Waste Manifest will be prepared identifying the 325 HWTUs as the receiving unit. The 325 HWTUs operations staff will sign and date each copy of the manifest to certify that the dangerous waste covered by the manifest was received. The transporter will be given at least one copy of the signed manifest. A copy of the manifest will be returned to the generator within 30 days of receipt at the 325 HWTUs. A copy of the manifest also will be retained in the 325 HWTUs operating record for 5 years.</p>														
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<p>Modification Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (state reason for denial)</p> <p>Reason for denial: <i>JW</i></p>			<p>Reviewed by Ecology:</p> <p style="text-align: center;"><i>G. P. Davis</i>      <i>7-25-05</i></p> <p style="text-align: center;">G. P. Davis      Date</p>											

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<b>Hanford Facility RCRA Permit Modification Notification Form</b>					
Unit: <b>325 Hazardous Waste Treatment Units</b>	Permit Part & Chapter: <b>Part III, Chapter 6 and Attachment 36</b>				
<p><u>Description of Modification:</u> Remove and replace Chapter 3.0 with the attached Chapter 3.0 dated June 30, 2005. Chapter 3.0, §3.1.7.2:</p> <p><b>3.1.7.2 Response to Significant Discrepancies</b></p> <p>The primary concern during acceptance of containers for storage is improper packaging or waste-tracking form discrepancies. <del>Containers with such discrepancies are not accepted at the 325 HWTUs.</del> Depending on the nature of the condition, <del>such waste-tracking form</del> discrepancies can be resolved through the <u>stepwise</u> use of <del>one or more</del> of the following alternatives.</p> <ul style="list-style-type: none"> <li>• <u>Contact the generator and transporter to reconcile the discrepancy.</u> Incorrect or incomplete entries <u>thus identified</u> on the Uniform Hazardous Waste Manifest or the onsite waste-tracking form can be corrected or completed with concurrence of the onsite generator or offsite generator. Corrections are made by drawing a single line through the incorrect entry. Corrected entries are initialed and dated by the individual making the correction.</li> <li>• The waste packages can be held and the onsite generator or offsite waste generator can be requested to provide written instructions for use in correcting the condition before the waste is accepted.</li> <li>• Waste packages can be returned as unacceptable.</li> <li>• The onsite generator or offsite waste generator can be requested to correct the condition on the Hanford Facility before the waste is accepted.</li> <li>• If a noncompliant dangerous-waste package is received from an offsite waste generator, and the waste package is nonreturnable because of condition, packaging, etc., and if an agreement cannot be reached among the involved parties as to resolving the noncompliant condition, then the issue will be referred to the U.S. Department of Energy-Richland Operations Office (DOE-RL) and the Washington State Department of Ecology (Ecology) for resolution. Ecology will be notified if a discrepancy is not resolved within 15 days after receiving a noncompliant shipment. Such waste packages, although not accepted, might be placed in the 325 HWTUs pending resolution. The package will be segregated from other waste and labeled in accordance with instructions in the unit contingency plan in the "Event Scenarios" section.</li> </ul>					
WAC 173-303-830 Modification Class <sup>1 2</sup>		Class 1	Class <sup>1</sup>	Class 2	Class 3
Please mark the Modification Class:		X			
Enter relevant WAC 173-303-830, Appendix I Modification citation number: A.1					
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Modification Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (state reason for denial)		Reviewed by Ecology:			
Reason for denial: 					
		G. P Davis		Date 7-25-05	

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<p><u>Description of Modification:</u>                      Remove and replace Chapter 3.0 with the attached Chapter 3.0 dated June 30, 2005.                      Chapter 3.0, §3.1.8:</p> <p><b>3.1.8 Tracking System</b></p> <p>Upon generation or receipt into the 325 HWTUs, each container of waste is assigned a unique tracking number. This number is used to track the following information:</p> <ul style="list-style-type: none"> <li>• a description and the quantity of each dangerous waste received and the method(s) and date(s) of storage or treatment in the 325 HWTUs, in accordance with WAC 173-303-380(2)</li> <li>• the location of each dangerous-waste container stored within the unit and the quantity at each location, including cross-reference to any applicable manifest and/or waste-tracking numbers</li> <li>• waste-analysis results.</li> </ul> <p>This system effectively tracks waste containers as the containers move through treatment or storage at the 325 HWTUs. The information is retained as part of the 325 HWTUs operating record, readily accessible for 5 years (refer to Attachment 36, Chapter 6.0, §6.2.2).</p>					
WAC 173-303-830 Modification Class <sup>1 2</sup> Please mark the Modification Class:		Class 1	Class '1	Class 2	Class 3
		X			
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Modification Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (state reason for denial) <u>Reason for denial:</u> <i>zfw</i>			Reviewed by Ecology: <i>G. P. Davis</i> <i>7-25-05</i> G. P Davis Date		

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<p>Modification Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (state reason for denial) <u>Reason for denial:</u> <i>jdw</i></p>			<p>Reviewed by Ecology: <i>G. P. Davis</i> G. P. Davis</p> <p><i>7-25-05</i> Date</p>											

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<p><u>Description of Modification:</u>                      Remove and replace Chapter 3.0 with the attached Chapter 3.0 dated June 30, 2005.                      Chapter 3.0, §3.3.1:  <b>3.3.1 Identification/Classification and Quantities of Dangerous Waste Generated or Managed at the 325 HWTUs and Restricted/Prohibited</b></p> <p>The dangerous waste managed at the 325 HWTUs can be categorized as originating from the following general sources:</p> <ul style="list-style-type: none"> <li>• listed waste from specific and nonspecific sources</li> <li>• laboratory waste resulting from analysis of samples</li> <li>• discarded commercial chemical products</li> <li>• waste from hazardous or mixed chemicals synthesized or created in research activities using radioactive isotopes</li> <li>• discarded commercial chemical products exhibiting dangerous-waste characteristics and/or criteria.</li> </ul> <p>Each of these waste categories is discussed in <del>the following sections</del> <u>Section 3.1</u>, including waste descriptions, hazard characteristics, and basis for hazard designations. This information includes data that must be known to treat, store, or dispose of the waste as required under WAC 173-303-806(4)(a)(ii).</p>				
WAC 173-303-830 Modification Class <sup>12</sup> Please mark the Modification Class:	Class 1 X	Class '1	Class 2	Class 3
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Modification Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (state reason for denial) <u>Reason for denial:</u> <i>JKW</i>		Reviewed by Ecology: <i>G. P. Davis</i> <i>7-25-05</i> _____ G. P. Davis Date		

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<b>Hanford Facility RCRA Permit Modification Notification Form</b>				
Unit: <b>325 Hazardous Waste Treatment Units</b>	Permit Part & Chapter: <b>Part III, Chapter 6 and Attachment 36</b>			
<b>Description of Modification:</b> Remove and replace Chapter 3.0 with the attached Chapter 3.0 dated June 30, 2005. Chapter 3.0, §3.3.2: <del>3.3.2 Listed Waste from Specific and Nonspecific</del> Waste from specific and nonspecific sources consists of listed waste identified in WAC 173-303-9904. Attachment 36, Chapter 1.0, for the 325 HWTUs identifies the following waste from this category: <ul style="list-style-type: none"> <li>•F001 — spent halogenated degreasing solvents and sludges</li> <li>•F002 — spent halogenated solvents and still bottoms</li> <li>•F003 — spent nonhalogenated solvents and still bottoms</li> <li>•F004 — spent nonhalogenated solvents and still bottoms</li> <li>•F005 — spent nonhalogenated solvents and still bottoms</li> <li>•F006 — wastewater treatment sludges from electroplating operations</li> <li>•F007 — spent cyanide plating bath solutions from electroplating operations</li> <li>•F009 — spent stripping and cleaning bath solutions from electroplating operations where cyanides are used in the process</li> <li>•F027 — discarded polychlorinated phenol formulations</li> <li>•F039 — leachate resulting from the disposal of more than one restricted waste classified as hazardous</li> <li>•K011 — bottom stream from the wastewater stripper in the production of acrylonitrile</li> <li>•K013 — bottom stream from acrylonitrile column in the production of acrylonitrile</li> <li>•K048 — dissolved air flotation (DAF) float from petroleum refining industry</li> <li>•K049 — slop oil emulsion solids from the petroleum refining industry</li> <li>•K050 — heat exchange, bundle cleaning sludge from petroleum refining industry</li> <li>•K051 — American Petroleum Institute separator sludge from the petroleum refining industry</li> <li>•K052 — tank bottoms (loaded) from the petroleum refining industry.</li> </ul> These halogenated and nonhalogenated solvents are in the form of spent solvents. Degreasing solvents (F001) as well as spent halogenated solvents (F002) are generated primarily in research and analytical processes. Spent nonhalogenated solvents (F003, F004, and F005) also come primarily from research laboratories. Much of the waste to be treated in the 325 HWTUs results from analyses of waste samples from sources already designated as F001 through F005. Manufacturing activities are not performed on the Hanford Facility; therefore, dangerous waste from specific sources (WAC 173-303-9904 K listed waste) typically is not generated at PNNL. Small quantities of K listed waste, however, have been generated from treatability studies and sample characterization activities at PNNL in the past; the residues from these tests could be treated at the 325 HWTUs (if covered in Attachment 36, Chapter 1.0). The F listed waste is designated on the basis of the process knowledge (e.g., information from container labels, MSDS, or process information). Sampling might be performed if additional information is needed to document the composition and characteristics of the waste. The generating unit is responsible for specifying the characteristics of the waste, based on knowledge of the chemical products used (i.e., information supplied by the manufacturer) and the process generating the waste. The F001 and F002 listed waste types are designated according to WAC 173-303-70 through WAC 173-303-100. The K listed waste in Attachment 36, Chapter 1.0, is designated based on the source of the process generating the original waste. These waste types are designated as dangerous waste, unless the waste is mixed with other constituents that require the mixture to be designated as extremely hazardous waste.				
WAC 173-303-830 Modification Class <sup>1 2</sup> Please mark the Modification Class:	Class 1	Class '1	Class 2	Class 3
	X			
Enter relevant WAC 173-303-830, Appendix I Modification citation number: A.1 Enter wording of WAC 173-303-830, Appendix I Modification citation: A.1. General Permit Provisions, Administrative and informational changes				
Modification Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (state reason for denial) Reason for denial: <div style="margin-left: 20px;"><i>JHW</i></div>	Reviewed by Ecology: <div style="text-align: center; margin-top: 20px;">                       G. P. Davis                 </div> <div style="text-align: right; margin-top: 20px;">                     7-25-05                      Date                 </div>			

<sup>1</sup> Class 1 Modifications requiring prior Agency Approval.

<sup>2</sup> 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 downgraded to a Class '1, if appropriate.

<b>Hanford Facility RCRA Permit Modification Notification Form</b>														
Unit: <b>325 Hazardous Waste Treatment Units</b>	Permit Part & Chapter: <b>Part III, Chapter 6 and Attachment 36</b>													
<p><u>Description of Modification:</u>                      Remove and replace Chapter 3.0 with the attached Chapter 3.0 dated June 30, 2005.                      Chapter 3.0, §3.3.3:</p> <p><b>3.3.3 Laboratory Waste Resulting from Analysis of Samples</b></p> <p>Laboratory waste resulting from analyzing samples makes up the largest volume of waste to be treated or stored in the 325 HWTUs. These waste types include those designated from the dangerous waste source list as described in WAC 173-303-082, designated as characteristic dangerous waste under WAC 173-303-090, and designated as dangerous waste by the criteria set forth under WAC 173-303-100. These waste types are designated based on process knowledge (e.g., project requirements, client-supplied information, and process information) as well as analytical results. Currently, much of this waste is designated as listed waste from the dangerous waste source list, based on information provided by the generator. The waste is designated as dangerous waste unless constituent concentrations in the waste require the designation to be extremely hazardous waste.</p>														
<p>WAC 173-303-830 Modification Class <sup>1 2</sup></p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;"></th> <th style="width: 10%;">Class 1</th> <th style="width: 10%;">Class '1</th> <th style="width: 10%;">Class 2</th> <th style="width: 10%;">Class 3</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">Please mark the Modification Class:</td> <td style="text-align: center;">X</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>						Class 1	Class '1	Class 2	Class 3	Please mark the Modification Class:	X			
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<p>Enter relevant WAC 173-303-830, Appendix I Modification citation number: A.1                      Enter wording of WAC 173-303-830, Appendix I Modification citation:                      A.1. General Permit Provisions, Administrative and informational changes</p>														
<p>Modification Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (state reason for denial)  <u>Reason for denial:</u> <i>None</i></p>			<p>Reviewed by Ecology:</p> <p style="text-align: center;"><i>G. P. Davis</i>      <i>7-25-05</i></p> <hr style="width: 80%; margin: 0 auto;"/> <p style="text-align: center;">G. P. Davis      Date</p>											

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<b>Hanford Facility RCRA Permit Modification Notification Form</b>														
Unit: <b>325 Hazardous Waste Treatment Units</b>	Permit Part & Chapter: <b>Part III, Chapter 6 and Attachment 36</b>													
<p><u>Description of Modification:</u>                      Remove and replace Chapter 3.0 with the attached Chapter 3.0 dated June 30, 2005.                      Chapter 3.0, §3.3.4:</p> <p><b>3.3.4 Discarded Commercial Chemical Products</b></p> <p><del>Discarded chemical products consist of those products listed in WAC 173-303-081. Attachment 36, Chapter 1.0, for the 325 HWTUs identifies all of the discarded chemical products listed in WAC 173-303-9903 (P001 through P123 and U001 through U359) and specifies an estimated maximum annual management quantity. Typically, only a few of these waste types are generated at any one time. Attachment 36, Chapter 1.0, lists all of the wastes, because the wide variety of research activities conducted on the Hanford Facility presents the potential for generating these waste types.</del></p> <p><del>Waste types in this category are designated based on process knowledge. Because this waste is usually in the original container, information on the container label is verified by process knowledge (i.e., knowledge that material is in its original container) and the label is used to identify contents. Excess or expired chemicals that have been determined to be waste and that are still in the original container will not be sampled. These listed waste types contain those designated as dangerous waste as well as those designated as extremely hazardous waste. These waste types also are subject to LDR regulations under 40 CFR 268 and WAC 173-303-140, including disposal prohibitions and treatment standards.</del></p>														
<p>WAC 173-303-830 Modification Class <sup>1 2</sup></p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;"></th> <th style="width: 10%;">Class 1</th> <th style="width: 10%;">Class <sup>1</sup></th> <th style="width: 10%;">Class 2</th> <th style="width: 10%;">Class 3</th> </tr> </thead> <tbody> <tr> <td>Please mark the Modification Class:</td> <td style="text-align: center;">X</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>						Class 1	Class <sup>1</sup>	Class 2	Class 3	Please mark the Modification Class:	X			
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<p>Modification Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (state reason for denial)                      Reason for denial: <i>JW</i></p>			<p>Reviewed by Ecology:  <i>G.P. Davis</i>                      G. P Davis                      7-25-05                      Date</p>											

<sup>1</sup> Class 1 Modifications requiring prior Agency Approval.

<sup>2</sup> 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 downgraded to a Class <sup>1</sup>, if appropriate.

<b>Hanford Facility RCRA Permit Modification Notification Form</b>					
Unit: <b>325 Hazardous Waste Treatment Units</b>	Permit Part & Chapter: <b>Part III, Chapter 6 and Attachment 36</b>				
<b>Description of Modification:</b> Remove and replace Chapter 3.0 with the attached Chapter 3.0 dated June 30, 2005. Chapter 3.0, §3.3.5:  <b><del>3.3.5 Hazardous or Mixed Waste from Chemicals Synthesized or Created in Research Activities Using Radioactive Isotopes</del></b>  <del>Dangerous waste from research activities using radioactive isotopes is designated as dangerous waste and typically is generated in small quantities ranging from a few grams to a few liters. These waste types consist primarily of contaminated chemicals, such as organics. Waste is designated based on process knowledge or on the basis of sampling and analysis. Process knowledge is used if the generator has kept accurate records of the identities and concentrations of constituents present in the waste (e.g., log sheets for accumulation containers). If information available from the generator is inadequate for waste designation, then the waste is sampled and the results of the analysis are used for designation. These waste types include waste designated as characteristic dangerous waste mixtures under WAC 173-303-090 and waste designated as dangerous waste under WAC 173-303-100. Attachment 36, Chapter 1.0, includes all categories of toxic and persistent waste mixtures (i.e., both dangerous waste and extremely hazardous waste). While not all of these waste types currently are generated or have been generated, the wide variety of research activities conducted on the Hanford Facility presents the potential that these waste types could be generated and could require subsequent management at the 325 HWTUs. Similarly, Attachment 36, Chapter 1.0, includes the characteristic dangerous waste categories D001 through D043 (i.e., ignitable, corrosive, reactive, and TCLP toxic because of metals or organics content). The waste also could be LDR waste, regulated under 40 CFR 268 and WAC 173-303-140.</del>					
WAC 173-303-830 Modification Class <sup>1 2</sup> Please mark the Modification Class:					
		Class 1	Class 1	Class 2	Class 3
		X			
Enter relevant WAC 173-303-830, Appendix I Modification citation number: A.1 Enter wording of WAC 173-303-830, Appendix I Modification citation: A.1. General Permit Provisions, Administrative and informational changes					
Modification Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (state reason for denial) Reason for denial: 			Reviewed by Ecology:  G. P. Davis		
			Date: <u>7-25-05</u>		

<sup>1</sup> Class 1 Modifications requiring prior Agency Approval.

<sup>2</sup> 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 downgraded to a Class 1, if appropriate.

<b>Hanford Facility RCRA Permit Modification Notification Form</b>				
Unit: <b>325 Hazardous Waste Treatment Units</b>	Permit Part & Chapter: <b>Part III, Chapter 6 and Attachment 36</b>			
<p><u>Description of Modification:</u> Remove and replace Chapter 3.0 with the attached Chapter 3.0 dated June 30, 2005. Chapter 3.0, §3.3.6:</p> <p><b><del>3.3.6 Discarded Commercial Chemical Products Exhibiting Dangerous Waste Characteristics and/or Criteria</del></b></p> <p><del>Many discarded chemical products handled in the 325 HWTUs are not listed in WAC 173-303-9903 but are still considered dangerous waste because these products exhibit at least one dangerous waste characteristic and/or criterion (WAC 173-303-090 and WAC 173-303-100). This waste is included in Attachment 36, Chapter 1.0, under waste numbers D001 through D043, WT01, WT02, WP01, WP02, WP03, and WSC2. This waste typically is received in the manufacturer's original container.</del></p> <p><del>Waste in this category is designated based on the process knowledge. As this waste is usually in the original container, information on the container label is used to identify the contents. This waste includes waste designated as dangerous waste and waste designated as extremely hazardous waste. The waste also could be LDR waste regulated under 40 CFR 268 and WAC 173-303-140.</del></p>				
WAC 173-303-830 Modification Class <sup>1 2</sup>	Class 1	Class <sup>1</sup> 1	Class 2	Class 3
Please mark the Modification Class:	X			
Enter relevant WAC 173-303-830, Appendix I Modification citation number: A.1 Enter wording of WAC 173-303-830, Appendix I Modification citation: A.1. General Permit Provisions, Administrative and informational changes				
Modification Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (state reason for denial) Reason for denial: <div style="text-align: center; margin-top: 10px;"><i>zju</i></div>	Reviewed by Ecology: <div style="text-align: center; margin-top: 10px;">                       G. P. Davis                 </div> <div style="text-align: right; margin-top: 10px;">                     7-25-05                      Date                 </div>			

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<b>Hanford Facility RCRA Permit Modification Notification Form</b>				
Unit: <b>325 Hazardous Waste Treatment Units</b>	Permit Part & Chapter: <b>Part III, Chapter 6 and Attachment 36</b>			
<p><u>Description of Modification:</u> Remove and replace Chapter 3.0 with the attached Chapter 3.0 dated June 30, 2005. Chapter 3.0, §3.4.1:</p> <p><b>3.4.1 Pre-Shipment Review</b></p> <p>Essentially all of the waste received at the 325 HWTUs is characterized before acceptance because the waste streams are generated from known processes. Unknown wastes are analyzed by the generator before they are accepted into the 325 HWTUs. Nearly all dangerous waste generated in the 325 Building is generated from analytical or research processes, both of which require detailed records. <u>This data is provided for review prior to shipment to determine acceptability and to verify the waste in accordance with Section 3.4.2.</u></p> <p>The primary source of information used by the generator to complete the waste-tracking form is process knowledge. Other information sources could be used, so long as these sources provide detailed information on the chemical constituents present, chemical concentrations, material characteristics (e.g., physical state, ignitability), and the characterization requirements on the waste-tracking form.</p> <p>If the MSDS, laboratory reagent, process knowledge, or analytical information provides insufficient information for a complete designation, the 325 HWTUs personnel require the generator to provide laboratory analyses before acceptance of the waste at the 325 HWTUs.</p> <p>All process knowledge and analytical data that are used for waste characterization, LDR determination, and/or treatment activities at this TSD unit shall be documented and placed in the Operating Record.</p>				
WAC 173-303-830 Modification Class <sup>1 2</sup> Please mark the Modification Class:	Class 1	Class '1	Class 2	Class 3
	X			
<p>Enter relevant WAC 173-303-830, Appendix I Modification citation number: A.1 Enter wording of WAC 173-303-830, Appendix I Modification citation: A.1. General Permit Provisions, Administrative and informational changes</p>				
Modification Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (state reason for denial) Reason for denial: <i>JPD</i>	Reviewed by Ecology: <i>G. P. Davis</i> <i>7-25-05</i> G. P. Davis      Date			

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Unit: <b>325 Hazardous Waste Treatment Units</b>	Permit Part & Chapter: <b>Part III, Chapter 6 and Attachment 36</b>				
<p><u>Description of Modification:</u> Remove and replace Chapter 3.0 with the attached Chapter 3.0 dated June 30, 2005. Chapter 3.0, §3.4.2:</p> <p><b>3.4.2 Verification</b></p> <p>Where potential deficiencies exist in the information provided or where additional waste constituents might be expected to be present that do not appear in the supporting documentation, the generator is contacted by 325 HWTUs personnel for resolution. Upon approval, the 325 HWTUs personnel review the data package to determine whether or not the information is sufficient to complete the following:</p> <p>...</p> <p>Exceptions to physical screening for verification are:</p> <ul style="list-style-type: none"> <li>• Shielded, classified, and remote-handled mixed waste are not required to be physically screened; however, 325 HWTUs staff must perform a more rigorous documentation review <u>utilizing the radionuclide content information as an indicator of the accuracy of process knowledge of RCRA-regulated components</u> and obtain the raw data to characterize the waste (&lt;1 percent of current waste receipts).</li> <li>• Waste which cannot be verified at the 325 HWTUs must be verified at the generating unit (e.g., large components, containers which cannot be opened, for ALARA reasons, or will not fit into the NDE unit). Physical screening at the customer location consists of observing packaging of the waste.</li> </ul> <p><u>If no location can be found to do the physical screening cannot be performed due to a location having adequate radiological and hazardous materials safety provisions for the container(s) involved, then no screening is required and the waste is eligible for acceptance. A more rigorous documentation review utilizing the radionuclide content information is used as an indicator of the accuracy of process knowledge of RCRA-regulated components.</u></p> <ul style="list-style-type: none"> <li>• Wastes which are packaged by the 325 HWTUs authorized independent agent are considered to have met the physical screening requirements (e.g., PNNL-packaged waste which is transferred to PNNL-operated TSD units).</li> </ul> <p>A bulk-waste stream (e.g., large volumes of waste from a single generating event, such as soil remediation from a single event) may be verified by screening the allowable rate of the total number of loads throughout the waste stream.</p>					
WAC 173-303-830 Modification Class <sup>1 2</sup>		Class 1	Class '1	Class 2	Class 3
Please mark the Modification Class:		X			
<p>Enter relevant WAC 173-303-830, Appendix I Modification citation number: A.1</p> <p>Enter wording of WAC 173-303-830, Appendix I Modification citation: A.1. General Permit Provisions, Administrative and informational changes</p>					
<p>Modification Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (state reason for denial)</p> <p><u>Reason for denial:</u> <i>ojw</i></p>			<p>Reviewed by Ecology:</p> <p style="text-align: center;"><i>G. P. Davis</i></p> <hr style="width: 100%;"/> <p style="text-align: center;">G. P Davis</p>		
			<p style="text-align: right;"><i>7-25-05</i></p> <hr style="width: 100%;"/> <p style="text-align: right;">Date</p>		

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<p><u>Description of Modification:</u> Remove and replace Chapter 3.0 with the attached Chapter 3.0 dated June 30, 2005. Chapter 3.0, §3.6:</p> <p><b>3.6 SELECTING SAMPLING PROCEDURES</b></p> <p>Because of physical variations of the waste that could be received at 325 HWTUs, sampling methodologies differ among the waste streams. <del>The specific sampling methods and equipment used will vary with the chemical and physical nature of the waste material and the sampling circumstances. In all instances, the sampling methods adhere to guidance provided in SW-846 and other pertinent references published and accepted by the EPA.</del> In general, aqueous liquids will be sampled using polyethylene samplers, organic liquids will be sampled using glass samplers, and solids will be sampled using polyethylene samplers.</p> <p>Typical sample-container requirements for aqueous and solid samples are provided in Table 3.1. <u>Containers selected should be durable, and must be compliant with applicable DOT and other shipping requirements if the sample is to be transported offsite for analysis. If any questions arise as to the appropriateness of a sample container for a particular sample, consult the MSDS for the material(s) to be sampled and/or a chemist.</u></p> <p><u>Representative sampling methods for these various types of waste are selected according to the methods and equipment listed in WAC 173-303-110(2). Sampling methods and equipment are identified in Table 3.2. Representative samples of liquid wastes (vertical "core sections") will be obtained using a composite liquid-waste sampler (COLIWASA) or tubing, as appropriate. If a liquid waste has more than one phase, then each phase will be separated for individual testing and designation. Other waste types that may require sampling are sludges, powders, and granules. In general, nonviscous sludges will be sampled using a COLIWASA. Highly viscous sludges and cohesive solids will be sampled using a trier, as specified in SW-846 (EPA 1986). Dry powders and granules will be sampled using a thief, also as specified in SW-846 (EPA 1986). The sampling methods and equipment used are identified on Table 3.2. In all instances, sampling methods will conform to the representative sample methods referenced in WAC 173-303-110(2), i.e., American Society for Testing and Materials (ASTM) standards for solids and SW-846 for liquids.</u></p> <p><u>Exceptions to the representative sampling methods may be used if permissible pursuant to the provisions of:</u></p> <ul style="list-style-type: none"> <li>• <u>WAC 173-303-110</u></li> <li>• <u>NRC/EPA "Clarification of RCRA Hazardous Waste Testing Requirements for Low-Level Radioactive Mixed Waste – Final Guidance" (62 Federal Register 62080, November 20, 1997)</u></li> <li>• <u>Data Quality Objectives developed in accordance with the Tri-Party Agreement Action Plan Section 6.5 or 7.8 (Quality Assurance), and/or</u></li> <li>• <u>An alternative approved by Ecology pursuant to the permit modification process.</u></li> </ul> <p>The number of samples collected will depend on the amount of waste present and on the homogeneity of the waste, as determined by observation. In most instances, there will be only one container of waste present. In such instances, only one vertical composite sample will be collected (e.g., COLIWASA). If more than one container of a waste stream is present, then a random number of samples will be collected and analyzed statistically using the procedures specified in Section 9.2 of SW-846 (EPA 1986).</p>														
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 60%; padding: 5px;">WAC 173-303-830 Modification Class <sup>1 2</sup></td> <td style="width: 10%; padding: 5px;">Class 1</td> <td style="width: 10%; padding: 5px;">Class <sup>1</sup></td> <td style="width: 10%; padding: 5px;">Class 2</td> <td style="width: 10%; padding: 5px;">Class 3</td> </tr> <tr> <td style="padding: 5px;">Please mark the Modification Class:</td> <td style="text-align: center; padding: 5px;">X</td> <td></td> <td></td> <td></td> </tr> </table>					WAC 173-303-830 Modification Class <sup>1 2</sup>	Class 1	Class <sup>1</sup>	Class 2	Class 3	Please mark the Modification Class:	X			
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<p>Enter relevant WAC 173-303-830, Appendix I Modification citation number: A.1</p> <p>Enter wording of WAC 173-303-830, Appendix I Modification citation:</p> <p>A.1. General Permit Provisions, Administrative and informational changes</p>														
<p>Modification Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (state reason for denial)</p> <p>Reason for denial: <i>jdw</i></p>			<p>Reviewed by Ecology:</p> <p style="text-align: center;"><i>G. P. Davis</i>      17-25-05</p> <p style="text-align: center;">G. P. Davis      Date</p>											

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### Hanford Facility RCRA Permit Modification Notification Form

Unit:  
**325 Hazardous Waste Treatment Units**

Permit Part & Chapter:  
**Part III, Chapter 6 and Attachment 36**

Description of Modification:

Remove and replace Chapter 3.0 with the attached Chapter 3.0 dated June 30, 2005.  
Chapter 3.0, Table 3.1:

**Table 3.1 Sample-Container Compatibility**

Sample	Container		
	Plastic	Glass	Metal
Acids (except hydrofluoric acid)	*	*	
Hydrofluoric acid	*		
Alkali (concentrated)	*	*	
Solvents/solvent-contaminated oils	* <sup>1</sup>	*	*
Oils	*	*	*
Solids	*	*	*
Aqueous waste	*	*	*

\* Sample compatible for storage in this type of container.

<sup>1</sup> Polypropylene may be used with some solvent/solvent-oil waste; consult a chemist and/or MSDS for the material(s) being sampled.

WAC 173-303-830 Modification Class <sup>1 2</sup> Please mark the Modification Class:	Class 1	Class 1	Class 2	Class 3
	X			

Enter relevant WAC 173-303-830, Appendix I Modification citation number: A.1

Enter wording of WAC 173-303-830, Appendix I Modification citation:

A.1. General Permit Provisions, Administrative and informational changes

Modification Approved:  Yes  No (state reason for denial)

Reason for denial:

*JDW*

Reviewed by Ecology:

*G. P. Davis*  
G. P. Davis

*7-25-05*  
Date

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<p><u>Description of Modification:</u>                      Remove and replace Chapter 3.0 with the attached Chapter 3.0 dated June 30, 2005.                      Chapter 3.0, Table 3.3:</p> <p style="text-align: center;"><b>Table 3.3. Summary of Test Parameters, Rationales, and Methods</b></p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">Parameter <sup>a</sup></th> <th style="width: 30%;">Method <sup>b,c</sup></th> <th style="width: 45%;">Rationale for Selection</th> </tr> </thead> <tbody> <tr> <td colspan="3" style="text-align: center;"><b>Physical Screening</b></td> </tr> <tr> <td>Visual inspection</td> <td>Field method - observe phases, presence of solids in waste and look for prohibited articles utilizing x-ray examination when appropriate.</td> <td>Confirm that waste matches that information described on waste acceptance documentation.</td> </tr> <tr> <td colspan="3" style="text-align: center;"><b>Chemical Screening <sup>(e,d)</sup></b></td> </tr> <tr> <td>Oxidizer</td> <td>Oxidizer Screen HAZCAT™</td> <td>Confirm that waste matches that described on waste acceptance documentation; ensure compliance with WAC 173-303-395(1)(b)</td> </tr> <tr> <td>pH</td> <td>pH screen Liquids - SW-846 Method 9041A or 9040B. Solids or semi-solid - SW-846 Method 9045</td> <td>Confirm that waste matches that described on waste acceptance documentation; ensure compliance with WAC 173-303-395(1)(b)</td> </tr> <tr> <td>Cyanides</td> <td>Cyanide screen HAZCAT™</td> <td>Confirm that waste matches that described on waste acceptance documentation; ensure compliance with WAC 173-303-395(1)(b)</td> </tr> <tr> <td>Sulfides</td> <td>Sulfide screen HAZCAT™</td> <td>Confirm that waste matches that described on waste acceptance documentation; ensure compliance with WAC 173-303-395(1)(b)</td> </tr> <tr> <td>Halogenated/Volatile Organic Compounds</td> <td>Photoionizer or Flame Ionizer, or Clor-D-Tect © Kits</td> <td>Confirm that waste matches that described on waste acceptance documentation</td> </tr> <tr> <td>Toxicity characteristic organic compounds <sup>(de)</sup></td> <td>Generator knowledge or SW-846 Methods 1311 and 8260 (volatile organic compounds) and 8270 (semivolatile organic compounds)</td> <td>Identify constituents for compliance with Hanford Facility Permit</td> </tr> </tbody> </table> <p><sup>a</sup> Addition parameters can be used on current waste acceptance criteria of the downstream TSD unit. Operation limits transfer/shipments are based on current waste acceptance criteria.  <sup>b</sup> Procedures based on EPA SW-846, unless otherwise noted. When regulations require a specific method, the method shall be followed.  <sup>c</sup> QA/QC requirements associated with these screening methods are addressed by following manufacturer's instructions for instrumentation (such as photoionizer), or test kit instructions. Detection limits are given in the SW-846 method, manufacturer's instructions for instrumentation (such as photoionizer), or test kit instructions.  <sup>d</sup> These test will not be performed on materials known to be organic peroxides, ether, and/or water reactive compounds.  <sup>e</sup> This test will only be performed on waste to be stored in tank TK-1 waste in addition to any other appropriate chemical screening.</p>					Parameter <sup>a</sup>	Method <sup>b,c</sup>	Rationale for Selection	<b>Physical Screening</b>			Visual inspection	Field method - observe phases, presence of solids in waste and look for prohibited articles utilizing x-ray examination when appropriate.	Confirm that waste matches that information described on waste acceptance documentation.	<b>Chemical Screening <sup>(e,d)</sup></b>			Oxidizer	Oxidizer Screen HAZCAT™	Confirm that waste matches that described on waste acceptance documentation; ensure compliance with WAC 173-303-395(1)(b)	pH	pH screen Liquids - SW-846 Method 9041A or 9040B. Solids or semi-solid - SW-846 Method 9045	Confirm that waste matches that described on waste acceptance documentation; ensure compliance with WAC 173-303-395(1)(b)	Cyanides	Cyanide screen HAZCAT™	Confirm that waste matches that described on waste acceptance documentation; ensure compliance with WAC 173-303-395(1)(b)	Sulfides	Sulfide screen HAZCAT™	Confirm that waste matches that described on waste acceptance documentation; ensure compliance with WAC 173-303-395(1)(b)	Halogenated/Volatile Organic Compounds	Photoionizer or Flame Ionizer, or Clor-D-Tect © Kits	Confirm that waste matches that described on waste acceptance documentation	Toxicity characteristic organic compounds <sup>(de)</sup>	Generator knowledge or SW-846 Methods 1311 and 8260 (volatile organic compounds) and 8270 (semivolatile organic compounds)	Identify constituents for compliance with Hanford Facility Permit
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Please mark the Modification Class:		X			
<p>Enter relevant WAC 173-303-830, Appendix I Modification citation number: A.1                      Enter wording of WAC 173-303-830, Appendix I Modification citation:                      A.1. General Permit Provisions, Administrative and informational changes</p>					
Modification Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (state reason for denial) Reason for denial: <i>JDW</i>		Reviewed by Ecology: <div style="text-align: center; font-size: 1.2em; font-family: cursive;">G. P. Davis</div> <div style="text-align: right; font-size: 1.2em; font-family: cursive;">7-25-05</div> <div style="display: flex; justify-content: space-between; font-weight: bold; font-size: 0.8em;"> <span>G. P Davis</span> <span>Date</span> </div>			

<sup>1</sup> Class 1 Modifications requiring prior Agency Approval.

<sup>2</sup> 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 downgraded to a Class <sup>1</sup>, if appropriate.

<b>Hanford Facility RCRA Permit Modification Notification Form</b>														
Unit: <b>325 Hazardous Waste Treatment Units</b>	Permit Part & Chapter: <b>Part III, Chapter 6 and Attachment 36</b>													
<p><u>Description of Modification:</u>                      Remove and replace Chapter 4.0 with the attached Chapter 4.0 dated June 30, 2005.                      Chapter 4.0, §4.2.1.3:</p> <p><b>4.2.1.3 Tank Management Practices</b></p> <p>According to operating procedures, liquid waste is poured into the troughs. The troughs tie into the 5.08-centimeter drain header located under the hot cells. This drain header is sloped down to the SAL tank located in Room 32 of the basement. The existing drain header is the only method of introducing mixed waste solutions into this tank. The drain line is fully welded and is constructed of 316L stainless steel material. Because this drain line also serves as the SAL tank vent line, the SAL tank operates at the same pressure as that of the hot cells. The heating, ventilation, and air conditioning operating pressure for the hot cells, and therefore the SAL tank, is -1.27 centimeters water (vacuum). The SAL tank operates at slightly subatmospheric pressure, and no pressure controls are necessary for this tank system.</p> <p>The SAL tank is fully monitored with tank-level instruments. A main control panel provides level status and high-alarm annunciation. Two control panels are provided with the SAL tank monitoring system. One control panel is located adjacent to the sampling station in Room 32 to control the sampling pump when samples are pulled. A second control panel is located on the operating floor in Room 201, the SAL main operating gallery. Tank status is monitored from the first floor control panel. Because waste solution is generated in a batch mode, waste solution drained to the tank is effectively controlled through operating and administrative procedures in order to prevent high-level-alarm conditions. A safety cutoff system for the tank will shut off all incoming water to the SAL in conjunction with a high-level-alarm condition. A backup tank system was determined to be unnecessary for the SAL operations because of the presence of tank monitoring devices and the use of administrative and operational (batch-processing) controls.</p> <p>The tank transfer controls provide similar safety features. <del>Once the SAL tank contains sufficient volume maybe transferred, the tank's solution is prepared for transfer to SAL Cell 6 for treatment and/or subsequent storage in containers using a pressurized transfer line. As with the drain lines, the pressurized line is constructed of single-wall stainless steel piping. All connections outside the tank's secondary containment system are welded. After waste characterization is completed, the transfer is initiated.</del></p>														
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 60%; padding: 2px;">WAC 173-303-830 Modification Class <sup>1 2</sup></td> <td style="width: 10%; padding: 2px;">Class 1</td> <td style="width: 10%; padding: 2px;">Class '1</td> <td style="width: 10%; padding: 2px;">Class 2</td> <td style="width: 10%; padding: 2px;">Class 3</td> </tr> <tr> <td style="padding: 2px;">Please mark the Modification Class:</td> <td style="text-align: center; padding: 2px;">X</td> <td></td> <td></td> <td></td> </tr> </table>					WAC 173-303-830 Modification Class <sup>1 2</sup>	Class 1	Class '1	Class 2	Class 3	Please mark the Modification Class:	X			
WAC 173-303-830 Modification Class <sup>1 2</sup>	Class 1	Class '1	Class 2	Class 3										
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<p>Enter relevant WAC 173-303-830, Appendix I Modification citation number: A.1                      Enter wording of WAC 173-303-830, Appendix I Modification citation:                      A.1. General Permit Provisions, Administrative and informational changes</p>														
<p>Modification Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (state reason for denial)  <u>Reason for denial:</u>  </p>			<p>Reviewed by Ecology:                        G. P Davis      7-25-05                      Date</p>											

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<sup>2</sup> 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 downgraded to a Class '1, if appropriate.

<b>Hanford Facility RCRA Permit Modification Notification Form</b>				
Unit: <b>325 Hazardous Waste Treatment Units</b>	Permit Part & Chapter: <b>Part III, Chapter 6 and Attachment 36</b>			
<b>Description of Modification:</b> Remove and replace Chapter 6.0 with the attached Chapter 6.0 dated June 30, 2005. Chapter 6.0, §6.2.2:  <b>6.2.2 Tank System Inspection</b>  The Shielded Analytical Laboratory (SAL) tank located in Room 32 is used to store mixed waste generated because of waste treatment activities. Routine inspections of the SAL tank system are conducted in accordance with WAC 173-303-640. Inspections involve a combination of visual, mechanical, and electronic means. Due to ALARA considerations, visual inspections of the tank system are conducted by remotely operated cameras mounted in Room 32 and the tank pit. These visual inspections are limited to areas of the tank system that can be observed by the camera. <u>In the event of a camera system malfunction, the tank system will be visually inspected from the doorway of Room 32 until the malfunction has been corrected. A mirror is mounted on the back wall of Room 32 to allow viewing the rear of the tank from the window in the door. A logbook or inspection sheet of all inspections is maintained in the operating record for at least 5 years from the date of the inspection.</u>				
WAC 173-303-830 Modification Class <sup>12</sup> Please mark the Modification Class:				
	Class 1	Class '1	Class 2	Class 3
	X			
Enter relevant WAC 173-303-830, Appendix I Modification citation number: A.1 Enter wording of WAC 173-303-830, Appendix I Modification citation: A.1. General Permit Provisions, Administrative and informational changes				
Modification Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (state reason for denial) <u>Reason for denial:</u> <div style="text-align: center; font-size: 2em; margin-top: 10px;"><i>None</i></div>			Reviewed by Ecology:  <div style="text-align: center; font-size: 1.5em; margin-top: 10px;"><i>G. P. Davis</i></div> G. P Davis <span style="float: right; margin-right: 20px;">7-25-05</span> Date	

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<b>Hanford Facility RCRA Permit Modification Notification Form</b>					
<b>Unit:</b> <b>325 Hazardous Waste Treatment Units</b>	<b>Permit Part &amp; Chapter:</b> <b>Part III, Chapter 6 and Attachment 36</b>				
<b>Description of Modification:</b> Remove and replace Chapter 7.0 with the attached Chapter 7.0 dated June 30, 2005. Chapter 7.0, Table 7.1: <b>Table 7.1. Hanford Facility Documents Containing Contingency Plan Requirements of WAC 173-303-350(3).</b>					
<b>WAC Requirement WAC 173-303-XXX</b>	<b>Permit Attachment 4 <i>Hanford Emergency Management Plan DOE/RL-94-02<sup>1</sup></i></b>	<b>325 Building Emergency Procedure<sup>2</sup></b>	<b>Permit, Part III, 325 HWTUs</b>		
None	N/A	§1.1 thru 1.4	Chapter 1.0, Site Plan		
-350(3)(d)	N/A	§12.2.1 <sup>3</sup>	N/A		
-360(1)	N/A	§3.1.1, 28 <sup>th</sup> bullet	Chapter 8.0, references Training Plan		
-350(3)(a), (b)	§1.3.4	§6.1, §6.3, and §6.4	§3.10 (activation of plan for damaged shipment)		
-360(2)(a)	§1.3.4 §5.2.1	§1.5, §6.1, §6.3, and §6.4	N/A		
-360(2)(b)	§2.2.1.1.3(g)	§3.1.1, 17 <sup>th</sup> bullet; §9.2	N/A		
-360(2)(c), (d), and (e)	§2.2.1.1.3(a) and (c), §4.2, §5.1.1, and §5.1.2	§3.7 notification §4.0 criteria	N/A		
-360(2)(f) and (g); -630(2), and -640(7)	§2.2.1.1.3(g)	§3.1.1, 17 <sup>th</sup> bullet; §4.0	N/A		
-360(h), (i), (j), and (k)	§5.1.2.2, §5.1.2.3, §9.2.3, and §11.2	§3.1.1, 25 <sup>th</sup> bullet; §3.7, §9.2, and §9.3	§6.4.5 (restocking of protective equipment as it is used)		
-350(3)(e)	Appendix C	§10	§6.3.1 emergency equipment and §6.4.5 protective clothing		
-350(3)(c) and -340(4)	§3.2.3, §3.3.1, §3.3.2, §3.4, §3.4.1.1, §3.4.1.2, §3.4.1.3, §3.7, and Table 3-1	§1.7	N/A		
-350(3)(f)	Figure 7-3, Table 5-1	§1.5 and §1.6; Exhibits 13.1 through 13.4	N/A		
-360(2)(k)	§5.1.2.2	§3.1.1, 25 <sup>th</sup> bullet; §3.7, §9.2, and §9.3	N/A		
-640(7)(d)(iii) and -640(7)(f)	§5.1.2.2 and §5.1.2.3	§3.1.1, 25 <sup>th</sup> bullet; §3.7, §9.2, and §9.3	§2.1.2.3 non-emergency reporting		
<sup>1</sup> Sections of the <i>Hanford Emergency Management Plan</i> and the 325 BEP not referenced here are not enforceable under the Permit. Refer to Permit Condition III.6.B.a. <sup>2</sup> March 2005 version. <sup>3</sup> This information is not required pursuant to Permit Condition IIA.4 and is included only in order to avoid modification to the complete Building Emergency Procedure.					
WAC 173-303-830 Modification Class <sup>1 2</sup>		Class 1	Class <sup>1</sup> 1	Class 2	Class 3
Please mark the Modification Class:		X			
Enter relevant WAC 173-303-830, Appendix I Modification citation number: A.1					
Enter wording of WAC 173-303-830, Appendix I Modification citation: A.1. General Permit Provisions, Administrative and informational changes					
Modification Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (state reason for denial)			Reviewed by Ecology:		
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