

Quarter Ending June 30, 2009

Hanford Facility RCRA Permit Modification Notification Form

Unit: PUREX STORAGE TUNNELS	Permit Part PART III, OPERATING UNIT 2
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Description of Modification:

Hanford Facility RCRA Permit III.2:

PART III, OPERATING UNIT 2 UNIT-SPECIFIC CONDITIONS**PUREX Storage Tunnels****UNIT DESCRIPTION:**

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.

Operating Unit 2:

- Chapter 1.0 Part A Form, Revision 6, dated May 2005
 Chapter 3.0 Waste Analysis Plan, dated October 2006
 Chapter 4.0 Process Information, dated October 2006
 Chapter 6.0 Procedures to Prevent Hazards, dated October 2006 (also refer to Permit Attachment 33, §6.1)
 Addendum J Chapter 7.0 Contingency Plan, dated June 30, 2008 ~~October 2006~~

- Chapter 8.0 Personnel Training, dated October 2006
 Chapter 11.0 Closure and Financial Assurance, dated October 2006
 Chapter 12.0 Reporting and Recordkeeping (refer to Permit Attachment 33, Table 12.1)

III.2.A COMPLIANCE WITH UNIT SPECIFIC PERMIT CONDITIONS

- III.2.A.1 The Permittees shall comply with all requirements set forth in the Hanford Facility RCRA Permit (Permit) as specified in Permit Attachment 3, Permit Applicability Matrix, including all approved modifications. All chapters, subsections, figures, tables, and appendices included in the following unit-specific Permit Conditions are enforceable in their entirety.
- III.2.A.2 In the event that the Part III-Unit-Specific Conditions for Operating Unit 2, PUREX Storage Tunnels conflict with the Part I-Standard Conditions and/or Part II-General Facility Conditions of the Permit, the unit-specific conditions for Operating Unit 2, PUREX Storage Tunnels prevail.

III.2.B UNIT-SPECIFIC CONDITIONS

- III.2.B.1 Portions of Permit Attachment 4, *Hanford Emergency Management Plan*, (DOE/RL-94-02) that are not made enforceable by inclusion in the applicability matrix for that document are not made enforceable by reference in this document.

WAC 173-303-830 Modification Class	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: Yes No (state reason for denial)

Reviewed by Ecology:

Reason for denial:

RECEIVED
AUG 25 2009

G. P. Davis 5/28/09
G. P. Davis Date

EDMC

Hanford Facility RCRA Permit Modification Notification Form				
Unit: PUREX STORAGE TUNNELS	Permit Part PART III, OPERATING UNIT 2			
<u>Description of Modification:</u>				
Remove Chapter 7.0, dated September 30, 2008, and replace with Addendum J, dated June 30, 2009 Chapter 7.0, §7.3:				
J.3 IMPLEMENTATION OF THE PLAN				
In accordance with <u>WAC 173-303-360(2)(b)</u> , the BED ensures that trained personnel identify the character, source, amount, and areal extent of the release, fire, or explosion to the extent possible. Identification of waste can be made by activities that can include, but are not limited to, visual inspection of involved containers, sampling activities in the field, reference to inventory records, or by consulting with facility personnel. Samples of materials involved in an emergency might be taken by qualified personnel and analyzed as appropriate. These activities must be performed with a sense of immediacy and shall include available information.				
The BED shall use the following guidelines to determine if an event has met the requirements of <u>WAC 173-303-360(2)(d)</u> :				
1. The event involved an unplanned spill, release, fire, or explosion,				
AND				
2.a The unplanned spill or release involved a dangerous waste, or the material involved became a dangerous waste as a result of the event (e.g., product that is not recoverable.), or				
2.b The unplanned fire or explosion occurred at the PUREX Storage Tunnels or transportation activity subject to RCRA contingency planning requirements,				
AND				
3. Time-urgent response from an emergency services organization was required to mitigate the event, or a threat to human health or the environment exists.				
As soon as possible, after stabilizing event conditions, the BED shall determine, in consultation with the FH Site contractor environmental single-point-of-contact, if notification to the Washington State Department of Ecology is needed to meet <u>WAC-173-303-360(2)(d)</u> reporting requirements. If all of the conditions under 1, 2, and 3 are met, notifications are to be made to Ecology. Additional information is found in Attachment 4, <i>Hanford Emergency Management Plan</i> (DOE/RL-94-02), Section 4.2.				
If review of all available information does not yield a definitive assessment of the danger posed by the incident, a worst-case condition will be presumed and appropriate protective actions and notifications will be initiated. The BED is responsible for initiating any protective actions based on their best judgment of the incident.				
The BED must assess each incident to determine the response necessary to protect the personnel, facility, and the environment. If assistance from HP, HFD, or ambulance units is required, the Hanford Emergency Response Number (911) must be used to contact the POC and request the desired assistance. To request other resources or assistance from outside the Central Plateau Surveillance and Maintenance facilities, the POC business number is used (373-3800).				
WAC 173-303-830 Modification Class	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 Date 5/28/09		

Hanford Facility RCRA Permit Modification Notification Form

Unit: LERF/200 Area ETF	Permit Part Part III, Operating Unit 3
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Description of Modification:

Hanford Facility RCRA Permit III.3:

**OPERATING UNIT GROUP 3 PERMIT CONDITIONS
Liquid Effluent Retention Facility and 200 Area Effluent Treatment Facility**

UNIT DESCRIPTION:

The Liquid Effluent Retention Facility and 200 Area Effluent Treatment Facility (LERF and 200 Area ETF) consists of an aqueous waste treatment system that provides storage and treatment for a variety of aqueous mixed waste located in the 200 East Area.

This document sets forth the operating conditions for the LERF and 200 Area ETF.

Operating Unit Group 3:

- Chapter 1.0 Part A Form, dated October 1, 2008
- Chapter 3.0 Waste Analysis Plan, dated June 30, 2007
- Chapter 4.0 Process Information, dated December 31, 2007
- Chapter 5.0 Groundwater Monitoring (PNNL-11620 & WHC-SD-EN-AP-024), dated June 30, 2008
- Chapter 6.0 Procedures to Prevent Hazards, dated June 30, 2007 (also refer to Permit Attachment 33, §6.1)
- Chapter 7.0 Contingency Plan, dated ~~June 30, 2009~~ December 31, 2007
- Chapter 8.0 Personnel Training, dated June 30, 2008
- Chapter 11.0 Closure and Post Closure Requirements, dated October 2006
- Chapter 12.0 Reporting and Recordkeeping (refer to Permit Attachment 33, Table 12.1)

III.3.A COMPLIANCE WITH UNIT SPECIFIC PERMIT CONDITIONS

- III.3.A.1 The Permittees shall comply with all requirements set forth in the Hanford Facility RCRA Permit (Permit) as specified in Permit Attachment 3, Permit Applicability Matrix, including all approved modifications. All chapters, subsections, figures, tables, and appendices included in the following unit-specific Permit Conditions are enforceable in their entirety.
- III.3.A.2 In the event that the Part III-Unit-Specific Conditions for Operating Unit 3, LERF and 200 Area ETF conflict with the Part I-Standard Conditions and/or Part II-General Facility Conditions of the Permit, the unit-specific conditions for Operating Unit 3, LERF and 200 Area ETF prevail.

III.3.B UNIT SPECIFIC CONDITIONS

- III.3.B.1 Portions of Permit Attachment 4, *Hanford Emergency Management Plan*, (DOE/RL-94-02) that are not made enforceable by inclusion in the applicability matrix for that document are not made enforceable by reference in this document.

WAC 173-303-830 Modification Class	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: Yes No (state reason for denial)

Reason for denial: *KAC*

Reviewed by Ecology:

G. P. Davis *5/28/09*
G. P. Davis Date

Hanford Facility RCRA Permit Modification Notification Form				
Unit: LERF/200 Area ETF	Permit Part Part III, Operating Unit 3			
<p><u>Description of Modification:</u> Chapter 7.0, §7.3:</p> <p>7.3 IMPLEMENTATION OF THE PLAN</p> <p>In accordance with WAC 173-303-360(2)(b) the BED ensures that trained personnel identify the character, source, amount, and areal extent of the release, fire, or explosion to the extent possible. Identification of waste can be made by activities that can include, but are not limited to, visual inspection of involved containers, sampling activities in the field, reference to inventory records, or by consulting with facility personnel. Samples of materials involved in an emergency might be taken by qualified personnel and analyzed as appropriate. These activities must be performed with a sense of immediacy and shall include available information.</p> <p>The BED shall use the following guidelines to determine if an event has met the requirements of WAC 173-303-360(2)(d):</p> <ol style="list-style-type: none"> 1. The event involved an unplanned spill, release, fire, or explosion, <div style="text-align: center;">AND</div> 2.a The unplanned spill or release involved a dangerous waste, or the material involved became a dangerous waste as a result of the event (e.g., product that is not recoverable.), or 2.b The unplanned fire or explosion occurred at the ETF/LERF or transportation activity subject to RCRA contingency planning requirements, <div style="text-align: center;">AND</div> 3. Time-urgent response from an emergency services organization was required to mitigate the event or a threat to human health or the environment exists. <p>As soon as possible, after stabilizing event conditions, the BED shall determine, in consultation with the FH-site contractor environmental single point-of-contact, if notification to the Washington State Department of Ecology (Ecology) is needed to meet WAC 173-303-360 (2)(d) reporting requirements. If all of the conditions under 1, 2, and 3 are met, notifications are to be made to Ecology. Additional information is found in Permit Attachment 4, <i>Hanford Emergency Management Plan</i>, (DOE/RL-94-02), Section 4.2.</p> <p>If review of all available information does not yield a definitive assessment of the danger posed by the incident, a worst-case condition will be presumed and appropriate protective actions and notifications will be initiated. The BED is responsible for initiating any protective actions based on their best judgment of the incident.</p> <p>The BED must assess each incident to determine the response necessary to protect the personnel, facility, and the environment. If assistance from Hanford Patrol, Hanford Fire Department, or ambulance units is required, the Hanford Emergency Response Number (911) must be used to contact the POC and request the desired assistance. To request other resources or assistance from outside the ETF/LERF, the POC business number is used (373-3800).</p>				
WAC 173-303-830 Modification Class 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: <div style="display: flex; justify-content: space-between;"> G. P Davis Date </div>			

Hanford Facility RCRA Permit Modification Notification Form

Unit: 325 Hazardous Waste Treatment Units	Permit Part Part III, Operating Unit 5
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Description of Modification:

Addendum C, Process Information:

Remove Chapter 4.0, Process Information dated June 30, 2009 and replace with Addendum C, Process Information dated June 30, 2009

WAC 173-303-830 Modification Class	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/Concur Yes Denied (state reason below)

Reason for denial:

Reviewed by Ecology:

G. P. Davis 5/28/09

G. P Davis

Date

Hanford Facility RCRA Permit Modification Notification Form

Unit: 325 Hazardous Waste Treatment Units	Permit Part Part III, Operating Unit 5
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Description of Modification:

Addendum E, Procedures to Prevent Hazards:

Remove Chapter 6.0, Procedures to Prevent Hazards and replace with Addendum E, Procedures to Prevent Hazards dated June 30, 2009

WAC 173-303-830 Modification Class	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/Concur <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Denied (state reason below) Reason for denial:	Reviewed by Ecology: <i>G. P. Davis</i> <i>5/28/09</i> G. P Davis Date
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Hanford Facility RCRA Permit Modification Notification Form

Unit: 325 Hazardous Waste Treatment Units	Permit Part Part III, Operating Unit 5
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Description of Modification:

Addendum F, Preparedness and Prevention:

Add Addendum F, Preparedness and Prevention dated June 30, 2009

WAC 173-303-830 Modification Class	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/Concur Yes Denied (state reason below)

Reason for denial:

Reviewed by Ecology:

G. P. Davis 5/28/09

G. P Davis

Date

Hanford Facility RCRA Permit Modification Notification Form

Unit: 325 Hazardous Waste Treatment Units	Permit Part Part III, Operating Unit 5
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Description of Modification:

Addendum H, Closure Plan:

Remove Chapter 11, Closure Plan dated August 2004, and replace with Addendum H, Closure Plan dated June 30, 2009

WAC 173-303-830 Modification Class	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/Concur Yes Denied (state reason below)

Reason for denial:

Reviewed by Ecology:

G. P. Davis

5/28/09

G. P Davis

Date

Hanford Facility RCRA Permit Modification Notification Form				
Unit: 325 Hazardous Waste Treatment Units	Permit Part Part III, Operating Unit 5			
<p><u>Description of Modification:</u> Addendum J, Contingency Plan: Add Addendum I, Inspection Requirements dated June 30, 2009</p>				
WAC 173-303-830 Modification Class	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/Concur <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Denied (state reason below) <u>Reason for denial:</u>	Reviewed by Ecology: <div style="text-align: right; font-family: cursive; font-size: 1.2em;">G. P. Davis</div> <div style="text-align: right; font-size: 1.2em;">5/28/09</div> <div style="text-align: right; font-size: 0.8em;">G. P Davis Date</div>			

Hanford Facility RCRA Permit Modification Notification Forms

**Part III, Operating Unit 10
Waste Treatment and Immobilization Plant (WTP)**

PCNs for quarter ending June 30, 2009:

<u>PCN Number</u>	<u>Modification Form Approval Date</u>	<u>Facility</u>
24590-PTF-PCN-ENV-06-017	05-28-09	PTF
24590-PTF-PCN-ENV-08-007	05-06-09	PTF
24590-PTF-PCN-ENV-08-018	04-16-09	PTF
24590-PTF-PCN-ENV-08-032	06-03-09	PTF
24590-PTF-PCN-ENV-08-033	04-16-09	PTF
24590-WTP-PCN-ENV-08-003	04-20-09	WTP

Quarter Ending June 30, 2009

24590-PTF-PCN-ENV-06-017

Hanford Facility RCRA Permit Modification Notification Form				
Unit: Waste Treatment and Immobilization Plant	Permit Part: Part III, Operating Unit 10			
Description of Modification:				
The purpose of this Class 1 modification is to replace permit versions of Mechanical Data Sheets 24590-PTF-MED-TLP-P0002 and 24590-PTF-MED-TLP-P0003 with the current source documents.				
The following Mechanical Data Sheets are being submitted to replace the permit versions currently in Appendix 8.6:				
Appendix 8.6				
Replace:	24590-PTF-MED-TLP-P0002, Rev 0	With:	24590-PTF-MED-TLP-00002, Rev 4	
Replace:	24590-PTF-MED-TLP-P0003, Rev 0	With:	24590-PTF-MED-TLP-00003, Rev 4	
This modification requests Ecology approval and incorporation into the permit the specific changes to these Mechanical Data Sheets that incorporate updated descriptions and vendor design data that have been issued since the last revision of the permit version of the Mechanical Data Sheets. Revisions are the result of ongoing design (changes from vendor preliminary data to vendor detailed design). The following identifies the significant changes that have been revised on the attached Mechanical Data Sheets:				
<u>24590-PTF-MED-TLP-00002, Rev 4 and 24590-PTF-MED-TLP-00003, Rev 4</u>				
<ul style="list-style-type: none"> • Manufacturer name changed from Northwest Copper Works, Inc. to Graham Manufacturing. • General Data was updated to incorporate data for flow type, heat exchanger duty, heat exchanger area, and delta temperature; quality level and seismic category were modified. • Thermal/Hydraulic Data was updated to incorporate fluid quantities, temperatures, pressures, etc. for both shell side and tube side. • Mechanical Data was updated to incorporate updated design temperatures, dimensions, and number of tubes. • Material Data was updated to incorporate a revision to the shell, tube gasket, and bolting materials. • Construction Data was updated to supply data on cross baffle type, tube support type and operating weights. • Notes were updated to remove the provision to allow all welded construction on process side only, and to provide the reference for nozzle load estimates. • Equipment Qualification Datasheet (EQD) was added. • Seismic In-Structure Response Spectra (ISRS) were added. 				
The following is a list of outstanding change documents that have not been incorporated into this modification:				
None				
WAC 173-303-830 Modification Class:	Class 1	Class 1 ¹	Class 2	Class 3
Please mark the Modification Class:	X	X		
Enter relevant WAC 173-303-830, Appendix I Modification citation number:		A.1 and A.3		
Enter wording of WAC 173-303-830, Appendix I Modification citation:				
A.1 - Administrative and informational changes.				
A.3 - Equipment replacement or upgrading with functionally equivalent components (e.g., pipes, valves, pumps, conveyors, controls).				
Modification Approved/Concur:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Denied (state reason below)		
Reason for denial:	Approved Reviewed by Ecology: <i>Ed Fredenburg</i> 5/28/2009 Ed Fredenburg Date			

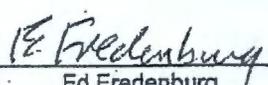
Quarter Ending June 30, 2009

24590-PTF-PCN-ENV-08-007

Hanford Facility RCRA Permit Modification Notification Form				
Unit: Waste Treatment and Immobilization Plant	Permit Part: Part III, Operating Unit 10			
Description of Modification: The purpose of this modification is to update the integrity assessment for the Pretreatment Facility secondary containment rooms from Elevation (-) 45' - 0" to Elevation 56' - 0" currently located in Appendix 8.11 of the Dangerous Waste Permit (DWP).				
Appendix 8.11				
Replace:	24590-CM-HC4-HXYG-00138-01-01, Rev 0	With:	CCN: 193196, IA-3001630-000, Rev.0; IQRPE Structural Integrity Assessment Report for PTF Secondary Containment Up To Floor Elevation 56'-0".	
	24590-CM-HC4-HXYG-00138-02-01A, Rev 1			
	24590-CM-HC4-HXYG-00138-01-13, Rev 1			
	24590-CM-HC4-HXYG-00138-02-00022, Rev 0			
This modification requests Ecology approval and incorporation into the permit the above mentioned integrity assessment report. The report has been updated by the Independent Qualified Registered Professional Engineer (IQRPE). The report reflects the IQRPE's review of the following final design documents:				
<ul style="list-style-type: none"> • General Arrangement Drawings • Structural concrete forming, walls, sections, layouts, reinforcement, and embedments drawings • Structural steel framing drawings • Foundation, excavation, and geotechnical investigation, structural design criteria, codes, specifications, calculations, analyses, test reports, and design documents • Material selection documents for coatings, liner plates, and sumps • Basis of Design document • Flooding volume documents 				
WAC 173-303-830 Modification Class:	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:				
In accordance with WAC 173-303-830(4)(d)(i), this modification notification is requested to be reviewed and approved as a Class 1 modification. WAC 173-303-830(4)(d)(ii)(A) states, "Class 1 modifications apply to minor changes that keep the permit current with routine changes to facility or its operation. These changes do not substantially alter the permit conditions or reduce the capacity of the facility to protect human health or the environment. In the case of Class 1 modifications, the director may require prior approval."				
Modification Approved/Concur:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Denied (state reason below)		
Reason for denial:	Reviewed by Ecology:			
	<i>E. Fredenburg</i>			5/6/09
	Ed Fredenburg			Date

Quarter Ending March 31, 2009

24590-PTF-PCN-ENV-08-018

WAC 173-303-830 Modification Class: ^{1 2}	Class 1	Class ¹ 1	Class 2	Class 3
Please mark the Modification Class:		X		
Enter Relevant WAC 173-303-830, Appendix I Modification citation number: NA				
Enter wording of WAC 173-303-830, Appendix I Modification citation: In accordance with WAC 173-303-830(4)(d)(i), this modification notification is requested to be reviewed and approved as a Class ¹ 1 modification. WAC 173-303-830(4)(d)(ii)(A) states, "Class 1 modifications apply to minor changes that keep the permit current with routine changes to the facility or its operation. These changes do not substantially alter the permit conditions or reduce the capacity of the facility to protect human health or the environment. In the case of Class 1 modifications, the director may require prior approval."				
Modification Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (state reason for denial)		Reviewed by Ecology:		
Reason for denial:		 4/16/09 Ed Fredenburg 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 ¹1, if applicable.

Quarter Ending March 31, 2009

24590-PTF-PCN-ENV-08-032

The following is a list of outstanding change documents that have not been incorporated into this modification:

- 24590-PTF-M6N-M80T-00054 (P&ID 24590-PTF-M6-RLD-00003001)
- 24590-PTF-M6PR-RLD-00002 (P&ID 24590-PTF-M6-RLD-00003001, 00003002, 00006)
- 24590-PTF-M6PR-RLD-00003 (P&ID 24590-PTF-M6-RLD-00006)
- 24590-PTF-M6PR-RLD-00004 (P&ID 24590-PTF-M6-RLD-00006)
- 24590-PTF-M6PR-RLD-00005 (P&ID 24590-PTF-M6-RLD-00003001, 00003002)

WAC 173-303-830 Modification Class: ^{1 2}	Class 1	Class ¹ 1	Class 2	Class 3
Please mark the Modification Class:		X		

Enter Relevant WAC 173-303-830, Appendix I Modification citation number:
N/A

Enter wording of WAC 173-303-830, Appendix I Modification citation:
In accordance with WAC 173-303-830(4)(d)(i), this modification notification is requested to be reviewed and approved as a Class ¹1 modification. WAC 173-303-830(4)(d)(ii)(A) states, "Class 1 modifications apply to minor changes that keep the permit current with routine changes to the facility or its operation. These changes do not substantially alter the permit conditions or reduce the capacity of the facility to protect human health or the environment. In the case of Class 1 modifications, the director may require prior approval."

Modification Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (state reason for denial)	Reviewed by Ecology:
Reason for denial:	<i>E. Fredenburg</i> <u>6/3/2009</u>
	E. Fredenburg 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 ¹1, if applicable.

Quarter Ending March 31, 2009

24590-PTF-PCN-ENV-08-033

WAC 173-303-830 Modification Class: ^{1 2}	Class 1	Class ¹ 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:				
In accordance with WAC 173-303-830(4)(d)(i), this modification notification is requested to be reviewed and approved as a Class ¹ 1 modification. WAC 173-303-830(4)(d)(ii)(A) states, "Class 1 modifications apply to minor changes that keep the permit current with routine changes to the facility or its operation. These changes do not substantially alter the permit conditions or reduce the capacity of the facility to protect human health or the environment. In the case of Class 1 modifications, the director may require prior approval."				
Modification Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (state reason for denial)		Reviewed by Ecology:		
Reason for denial:		<i>Ed Fredenburg</i> 4/16/09 Ed Fredenburg 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 ¹1, if applicable.

Hanford Facility RCRA Permit Modification Notification Form																								
Unit: 331-C Storage Unit	Permit Part Part III, Operating Unit 15																							
<p><u>Description of Modification:</u> Hanford Facility RCRA Permit III.15: PART III, OPERATING UNIT GROUP 15 CONDITIONS 331-C Storage Unit</p>																								
<p><u>Unit Description</u></p> <p>The 331-C Storage Unit is a dangerous waste container storage unit located within the south portion of the 300 Area. The unit is used for the collection, consolidation, packaging, storage, and preparation for transport and disposal of dangerous waste. The waste stored at the 331-C Storage Unit consists of listed waste from specific and nonspecific sources, discarded commercial chemical products, characteristic waste, and criteria waste.</p> <p>The 331-C Storage Unit is divided into a number of separate locations equipped with independent secondary containment to ensure the segregation of incompatible wastes and proper management and removal of any spills or leaks that might occur. A small, laboratory-style fume hood on the south wall in the storage area is used for waste verification, compatibility testing, and small-volume waste work.</p>																								
<p><u>List of Addenda Specific to Operating Unit Group 15</u></p> <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Addendum A</td> <td>Part A Form, dated September 30, 2008</td> </tr> <tr> <td>Addendum B</td> <td>Waste Analysis Plan, dated March 31, 2009</td> </tr> <tr> <td>Addendum C Chapter 4.0</td> <td>Process Information, dated June 30, 2009/December 31, 2007</td> </tr> <tr> <td>Addendum D</td> <td>Groundwater Monitoring (Reserved)</td> </tr> <tr> <td>Addendum E Chapter 6.0</td> <td>Procedures to Prevent Hazards, dated June 30, 2009/December 31, 2007</td> </tr> <tr> <td>Addendum F</td> <td>Preparedness and Prevention, dated June 30, 2009</td> </tr> <tr> <td>Addendum G</td> <td>Personnel Training, dated March 31, 2009</td> </tr> <tr> <td>Addendum H Chapter 11.0</td> <td>Closure Plan, dated June 30, 2009/January 2007</td> </tr> <tr> <td>Addendum I</td> <td>Inspection Requirements, dated June 30, 2009</td> </tr> <tr> <td>Addendum J Chapter 7.0</td> <td>Contingency Plan, dated June 30, 2009/January 2007</td> </tr> </table>					Addendum A	Part A Form, dated September 30, 2008	Addendum B	Waste Analysis Plan, dated March 31, 2009	Addendum C Chapter 4.0	Process Information, dated June 30, 2009/December 31, 2007	Addendum D	Groundwater Monitoring (Reserved)	Addendum E Chapter 6.0	Procedures to Prevent Hazards, dated June 30, 2009/December 31, 2007	Addendum F	Preparedness and Prevention, dated June 30, 2009	Addendum G	Personnel Training, dated March 31, 2009	Addendum H Chapter 11.0	Closure Plan, dated June 30, 2009/January 2007	Addendum I	Inspection Requirements, dated June 30, 2009	Addendum J Chapter 7.0	Contingency Plan, dated June 30, 2009/January 2007
Addendum A	Part A Form, dated September 30, 2008																							
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Addendum I	Inspection Requirements, dated June 30, 2009																							
Addendum J Chapter 7.0	Contingency Plan, dated June 30, 2009/January 2007																							
<p><u>Definitions</u></p> <p>The term "Cell" means a discrete area for storing a given type of waste within its own secondary containment, a basic unit of storage, a narrow confining area.</p>																								
<p><u>Acronyms</u></p> <p>Reserved</p>																								
WAC 173-303-830 Modification Class		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/Concur <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Denied (state reason below)</p> <p>Reason for denial:</p>			<p>Reviewed by Ecology:</p> <p style="text-align: center;"><i>G. P. Davis</i> 5/28/09</p> <hr style="width: 100%;"/> <p style="text-align: center;">G. P Davis Date</p>																					

Hanford Facility RCRA Permit Modification Notification Form				
Unit: 331-C Storage Unit	Permit Part Part III, Operating Unit 15			
<p><u>Description of Modification:</u> Addendum C, Process Information: Remove Chapter 4.0, Process Information dated December 31, 2008 and replace with Addendum C, Process Information dated June 30, 2009</p>				
WAC 173-303-830 Modification Class	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/Concur <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Denied (state reason below) Reason for denial:	Reviewed by Ecology: <div style="text-align: right; font-family: cursive; font-size: 1.2em;"> G. P. Davis </div> <div style="text-align: right; font-size: 1.2em;"> 5/28/09 </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> G. P Davis Date </div>			

Hanford Facility RCRA Permit Modification Notification Form

Unit: 331-C Storage Unit	Permit Part Part III, Operating Unit 15
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Description of Modification:

Addendum E, Procedures to Prevent Hazards:

Remove Chapter 6.0, Procedures to Prevent Hazards, dated December 31, 2007 and replace with Addendum E, Procedures to Prevent Hazards, dated June 30, 2009

WAC 173-303-830 Modification Class	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/Concur Yes Denied (state reason below)

Reason for denial:

Reviewed by Ecology:

G. P. Davis 5/28/09

G. P Davis Date

Hanford Facility RCRA Permit Modification Notification Form				
Unit: 331-C Storage Unit	Permit Part Part III, Operating Unit 15			
<p><u>Description of Modification:</u> Addendum F, Preparedness and Prevention Add Addendum F, Preparedness and Prevention dated June 30, 2009</p>				
WAC 173-303-830 Modification Class	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/Concur <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Denied (state reason below) <u>Reason for denial:</u>			Reviewed by Ecology: <i>G. P. Davis</i> 5/28/09 G. P Davis Date	

Hanford Facility RCRA Permit Modification Notification Form

Unit:
331-C Storage Unit

Permit Part
Part III, Operating Unit 15

Description of Modification:

Addendum H, Closure Plan

Remove Chapter 11, Closure Plan, dated January 2007, and replace with Addendum H, Closure Plan dated June 30, 2009

WAC 173-303-830 Modification Class

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/Concur



Yes



Denied (state reason below)

Reason for denial:

Reviewed by Ecology:

G. P. Davis

5/28/09

G. P Davis

Date

Hanford Facility RCRA Permit Modification Notification Form

Unit:
331-C Storage Unit

Permit Part
Part III, Operating Unit 15

Description of Modification:

Addendum J, Contingency Plan:

Remove Chapter 7.0, Contingency Plan, dated December 31, 2007, and replace with Addendum J, Contingency Plan dated June 30, 2009

WAC 173-303-830 Modification Class	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/Concur Yes Denied (state reason below)

Reason for denial:

Reviewed by Ecology:

G. P. Davis 5/28/09

 G. P. Davis Date

Hanford Facility RCRA Permit Modification Notification Form

Unit: 400 Area Waste Management Area	Permit Part Part III, Operating Unit 16
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Description of Modification:
 Hanford Facility Permit, III.16:
Part III, OPERATING UNIT GROUP 16 PERMIT CONDITIONS
400 Area Waste Management Unit

Unit Description:

The 400 Area Waste Management Unit (WMU) is in the Property Protected Area (PPA) at the Fast Flux Test Facility (FFTF), in Hanford's 400 Area. The 400 Area WMU consists of two container storage units:

- Fuel Storage Facility (FSF, Building 403): The FSF is a large steel-frame, metal-sided, high bay building. Its dimensions are 34 x 27 x 12 meters (112 x 90 x 40 feet). The container storage unit is on the ground-level floor. In it are two large steel boxes that store sodium-contaminated core component pots (CCPs). The Permittees do not plan to store more mixed waste than is currently stored in the facility; however, the FSF is physically capable of storing additional mixed waste. They will store any additional wastes at the 400 Area WMU in the Interim Storage Area.
- Interim Storage Area, 4718 (ISA). The ISA consists of 156 x 247 meters (513 x 247 feet) totally fenced area. This area is for aboveground dry cask storage of spent fuel. A concrete pad in the ISA, which measures 27 x 37 meters (90 x 120 feet), was used for dry cask storage, but will not necessarily be used for mixed waste management. The rest of the ISA surface is gravel. The ISA is generally flat. However, it is graded to drain in accordance with the general drainage plan for the FFTF PPA. Inside the ISA, there is also one building along the west fence line, and open on the side. This building, Building 432A, is authorized for mixed waste management.

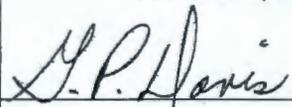
The scale map in Addendum A shows the location of each storage unit. The only mixed waste stored in these two container storage units is debris (e.g., piping, equipment, and components) contaminated with elemental sodium and sodium hydroxide (D002). This waste stream is designated as (D001, D003, and WSC2). The 400 Area WMU will not store, treat, or dispose of bulk metallic sodium or bulk sodium hydroxide.

List of Addenda Specific to Operating Unit Group 16

- Addendum A Part A Form, dated October 1, 2008
- Addendum B Waste Analysis Plan, dated ~~August 27, 2008~~ June 30, 2009
- Addendum C ~~Reserved~~ Process Information, dated June 30, 2009
- Addendum D Groundwater Monitoring – Reserved
- Addendum E Procedures to Prevent Hazards, dated June 30, 2009
- Addendum F Preparedness and Prevention, dated June 30, 2009
- Addendum ~~FG~~ Personnel Training, dated ~~March 31, 2009~~ June 30, 2009
- Addendum ~~GH~~ Closure Plan, dated ~~August 27, 2007~~ June 30, 2009
- Addendum ~~HI~~ Inspection Requirements, dated ~~March 31, 2009~~ June 30, 2009
- Addendum ~~EJ~~ Contingency Plan, dated ~~March 31, 2009~~ June 30, 2009

WAC 173-303-830 Modification Class	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/Concur <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Denied (state reason below) Reason for denial:	Reviewed by Ecology:  G. P. Davis Date: 5/28/09
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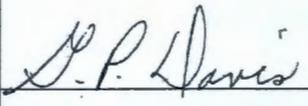
Hanford Facility RCRA Permit Modification Notification Form

Unit: 400 Area Waste Management Area	Permit Part Part III, Operating Unit 16
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Description of Modification:
 Addendum B, Waste Analysis Plan:
 Remove Addendum B, Waste Analysis Plan, dated August 27, 2007, and replace with Addendum B, Waste Analysis Plan, dated June 30, 2009

WAC 173-303-830 Modification Class	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/Concur <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Denied (state reason below) Reason for denial:	Reviewed by Ecology:  G. P Davis Date: 5/28/09
---	--

Hanford Facility RCRA Permit Modification Notification Form

Unit: 400 Area Waste Management Area	Permit Part Part III, Operating Unit 16
--	---

Description of Modification:

Addendum C, Process Information:

Add Addendum C, Process Information dated June 30, 2009

WAC 173-303-830 Modification Class	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/Concur Yes Denied (state reason below)

Reason for denial:

Reviewed by Ecology:

G. P. Davis 5/28/09

G. P Davis

Date

Hanford Facility RCRA Permit Modification Notification Form

Unit: 400 Area Waste Management Area	Permit Part Part III, Operating Unit 16
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Description of Modification:

Addendum E, Security Requirements:

Add Addendum E, Procedures to Prevent Hazards dated June 30, 2009

WAC 173-303-830 Modification Class	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

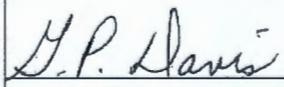
Enter wording of WAC 173-303-830, Appendix I Modification citation:

A.1 General Permit Provisions, Administrative and informational changes

Modification Approved/Concur Yes Denied (state reason below)

Reason for denial:

Reviewed by Ecology:


 G. P. Davis 5/28/09
 Date

Hanford Facility RCRA Permit Modification Notification Form

Unit:
400 Area Waste Management Area

Permit Part
Part III, Operating Unit 16

Description of Modification:

Addendum F, Preparedness and Prevention:

Add Addendum F, Preparedness and Prevention dated June 30, 2009

WAC 173-303-830 Modification Class:

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/Concur Yes

Denied (state reason below)

Reason for denial:

Reviewed by Ecology:

G. P. Davis

G. P Davis

5/28/09

Date

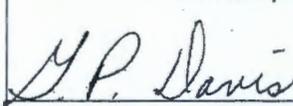
Hanford Facility RCRA Permit Modification Notification Form

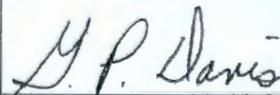
Unit: 400 Area Waste Management Area	Permit Part Part III, Operating Unit 16
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Description of Modification:
 Addendum G, Personnel Training:
 Remove Addendum F, Personnel Training dated March 31, 2009, and replace with Addendum G, Personnel Training dated June 30, 2009

WAC 173-303-830 Modification Class	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/Concur <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Denied (state reason below) Reason for denial:	Reviewed by Ecology:  G. P Davis Date: 5/28/09
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Hanford Facility RCRA Permit Modification Notification Form				
Unit: 400 Area Waste Management Area	Permit Part Part III, Operating Unit 16			
<p><u>Description of Modification:</u> Addendum H, Closure Plan: Remove Addendum G, Closure Plan dated August 27, 2007, and replace with Addendum H, Closure Plan dated June 30, 2009</p>				
WAC 173-303-830 Modification Class	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/Concur <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Denied (state reason below)		Reviewed by Ecology:		
<u>Reason for denial:</u>		 G. P. Davis		
		Date 5/28/09		

Hanford Facility RCRA Permit Modification Notification Form

Unit:
400 Area Waste Management Area

Permit Part
Part III, Operating Unit 16

Description of Modification:

Addendum I, Inspection Requirements:

Remove Addendum H, Inspection Requirements dated March 31, 2009, and replace with Addendum I, Inspection Requirements dated June 30, 2009

WAC 173-303-830 Modification Class
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/Concur Yes Denied (state reason below)

Reason for denial:

Reviewed by Ecology:

G. P. Davis 5/28/09
G. P Davis Date

Hanford Facility RCRA Permit Modification Notification Form

Unit:
400 Area Waste Management Area

Permit Part
Part III, Operating Unit 16

Description of Modification:

Addendum J, Contingency Plan:

Remove Addendum E, Contingency Plan dated March 31, 2009, and replace with Addendum J, Contingency Plan dated June 30, 2009

WAC 173-303-830 Modification Class

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/Concur

Yes

Denied (state reason below)

Reason for denial:

Reviewed by Ecology:

G. P. Davis 5/28/09

G. P Davis

Date