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STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

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

April 14, 2003

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

RECEIVED
APR 16 2003

EDMC

Dear Mr. Hebdon:

Re: Quarterly Notification of Class 1 Modifications to the Hanford Facility Resource Conservation and Recovery Act (RCRA) Permit, Dangerous Waste Portion, (Quarter ending December 31, 2002-Permit Condition I.C.3)

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

The approved quarterly modifications include:

Hanford Emergency Management Plan, Attachment 4

Section 1.0, Subsection 1.3.4

Section 2.0, subsection 2.2

General Information Portion, Attachment 33

Chapter 6.0, Section 6.1.1

325 HWTU, Attachment 36

Hanford Facility RCRA Permit, III.6.A

Hanford Facility RCRA Permit, III.6.B

Chapter 3.0, Section 3.10.1

Chapter 3.0, Section 3.6.1

Chapter 3.0, Section 3.7.2.1

Chapter 3.0, Section 3.8.3

Chapter 3.0, Section 3.8.5

Chapter 4.0, Section 4.4

Chapter 4.0, Section 4.3

Chapter 7.0, Appendix 7A

Chapter 7.0, Section 7.0

Chapter 7.0, Section 7.12.2.1

Mr. Joel Hebdon
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**Liquid Effluent Retention Facility and 200 Area ETF,
Attachment 34**

Hanford Facility RCRA Permit, Condition III.4.A/III.4.B

Chapter 4.0, Section 4.7.1

Chapter 4.0, Section 4.7.2

242-A Evaporation, Attachment 35

Hanford Facility RCRA Permit, III.5

Chapter 2.0

Chapter 3.0

Chapter 4.0

Chapter 7.0

The following proposed Class 1 modifications are not approved:

325 HWTU, Attachment 36

Chapter 3.0, Section 3.4.1

Chapter 4.0, Section 4.0, Process Information

Chapter 4.0, Section 4.2.1.1.2

Chapter 11.0, Section 11.7

**Liquid Effluent Retention Facility and 200 Area ETF,
Attachment 34**

Chapter 4.0, Section 4.7.1

Chapter 4.0, Section 4.7.2

242-A Evaporation, Attachment 35

Chapter 4.0, 4.3 Engineering Drawings

1325-N Liquid Waste Disposal, Chapter 16 Attachment 41

Hanford Facility RCRA Permit, V.16

Appendix A, Section A.3.2.3

Appendix A, Section A.4.9

1301-N Liquid Waste Disposal, Chapter 17 Attachment 41

Hanford Facility RCRA Permit, V. 17

Appendix A, Section A.3.2.3

Appendix A, Section A.4.9

1324-N Surface Impoundment, Chapter 18 Attachment 42

Hanford Facility RCRA Permit, V.18

Appendix B, Section B.3.2.2

Appendix B, Section B.3.2.3

1324-NA Percolation Pond, Chapter 19 Attachment 42

Hanford Facility RCRA Permit, V.19.A

Appendix B, Section B.3.2.2

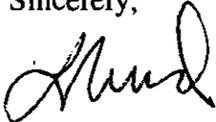
Appendix B, Section B.3.2.3

Mr. Joel Hebdon
April 14, 2003
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Please incorporate approved modifications and resubmit complete chapters, etc. within 30 days of receipt of this letter. Ecology and the United States Department of Energy (USDOE) will continue to work together through April to facilitate placement of the Sitewide Permit on Ecology's website. At that point, modifications will be reflected on the website as they are approved.

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

Sincerely,



Laura Ruud
Permitting Specialist
Nuclear Waste Program

LR:JV:nc
Enclosures

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

cc w/o enc: Rick Gay, CTUIR
Todd Martin, HAB

Hanford Facility RCRA Permit Modification Notification Forms
Part III, Chapter 4 and Attachment 34
Liquid Effluent Retention Facility and 200 Area Effluent Treatment Facility

Quarter Ending December 31, 2002

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Page 3 of 4: Chapter 4.0, Section 4.7.1
Page 4 of 4: Chapter 4.0, Section 4.7.2

Hanford Facility RCRA Permit Modification Notification Form

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

Hanford Facility RCRA Permit, Condition III.4.A/III.4.B: Incorporated Appendices 4A & 4B in Chapter 4.0. Refer to following forms.

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:

- Chapter 1.0 LERF Part A, Form 3, Permit Application, Revision 6
- ETF Part A, Form 3, Permit Application, Revision 3
- Section 2.2 Topographic Map, from Class 1 Modification for quarter ending March 31, 2001
- Section 3.2 Waste Analysis Plan, from Class 1 Modification for quarter ending March 31, 2001
- Chapter 4.0 Process Information, dated May 1998, From Class 1 Modifications for quarter ending December 31, 2002
~~September 30, 2001~~
- Chapter 5.0 Ground Water Monitoring, from Class 1 Modification for quarter ending June 30, 2000
- Chapter 6.0 Procedures to Prevent Hazards, from Class 1 Modification for quarter ending September 30, 2000
- Chapter 7.0 Contingency Plan, from Class 1 Modification for quarter ending September 30, 2000
- Chapter 8.0 Personnel Training, from Class 1 Modification for quarter ending September 30, 2001
- Chapter 11.0 Closure and Financial Assurance, from Class 1 Modification for quarter ending March 31, 2001
- Chapter 12.0 Reporting and Recordkeeping, from Class 1 Modification for quarter ending March 31, 2001
- Chapter 13.0 Other Federal and State Laws, from Class 1 Modification for quarter ending March 31, 2001
- Appendix 2A Topographic Map, from Class 1 Modification for quarter ending March 31, 2001
- Appendix 3A Waste Analysis Plan for the Liquid Effluent Retention Facility and 200 Area Effluent Treatment Facility, from Class 1 Modification for quarter ending March 31, 2001
- Appendix 4A Detailed Drawings for the Liquid Effluent Retention Facility, from Class 1 Modifications for quarter ending March 31, 2002
- Appendix 4B Detailed Drawings for the 200 area Effluent Treatment Facility Container Storage Area and Tank Systems, from Class 1 Modifications for quarter ending March 31, 2002
- Appendix 5A Liquid Effluent Retention Facility Final Ground Water Monitoring Plan, PNNL-11620, See Amendment III.4.B.1.
- Appendix 7A Building Emergency Plan for the Liquid Effluent Retention Facility and 200 Area Effluent Treatment Facility, from Class 2 Modification, dated February 2001. Enforceable portions include Sections 1.5, 3.1, 4.0, 7.1, 7.1.1, 7.1.2, 7.2, 7.2.1, 7.2.2, 7.2.3, 7.2.4, 7.2.5, 7.2.5.1, 7.3, 8.2, 8.3, 8.4, 9.0, 9.1, 9.2, 9.3, 9.4, 9.5, 9.6, 11.0, 12.0, and 13.0.

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, Rev. 1, is an integral Part of this Permit and is to be added as Appendix 5A to the 200 Area Liquid Waste Complex Permit Application.

Modification Class: ^{12,3}	Class 1	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:	X			

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

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

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

Submitted by Co-Operator: <i>J. A. Van Vliet</i>	Reviewed by RL Program Office: <i>G. H. Sanders</i>	Reviewed by Ecology: <i>F. Jamison</i>	Reviewed by Ecology: <i>L.E. Ruud</i>
J. A. Van Vliet	G. H. Sanders	F. Jamison	L.E. Ruud
Date	Date	Date	Date

¹ Class 1 modifications requiring prior Agency approval.

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

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

Hanford Facility RCRA Permit Modification Notification Forms

Part III, Chapter 5 and Attachment 35

242-A Evaporator

Quarter Ending December 31, 2002

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Hanford Facility RCRA Permit Modification Notification Form

Unit:
242-A Evaporator

Permit Part & Chapter:
Part III, Chapter 5 and Attachment 35

Description of Modification:

Hanford Facility RCRA Permit, III.5.: Incorporated the Appendices in their respective Chapters. Refer to following forms.

CHAPTER 5

242-A Evaporator

The 242-A Evaporator is a mixed waste treatment and storage unit consisting of a conventional forced-circulation, vacuum evaporation system to concentrate mixed-waste solutions. This Chapter sets forth the operating Conditions for this TSD unit.

III.5.A.

COMPLIANCE WITH APPROVED PERMIT APPLICATION

The Permittees shall comply with all requirements set forth in Attachment 35, including the Amendments specified in Condition III.5.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:

- Chapter 1.0 Part A, Form 3, Permit Application, Revision 7
- Section 2.2 ~~Topographic Map, (non-enforceable sections in Chapter 2 were modified in Class 1 Modification) quarter ending September 30, 2001~~
- Chapter 2.0 Unit Description, from Class 1 Modification for quarter ending September 30, 2002
- Section 3.2 ~~Waste Analysis, from Class 1 Modification for quarter ending March 31, 2001~~
- Chapter 3.0 Waste Analysis Plan, from Class 1 Modification for quarter ending September 30, 2002
- Chapter 4.0 Process Information, from Class 1 Modifications for quarter ending September 30, 2002 ~~March 31, 2000~~
- Chapter 6.0 Procedures to Prevent Hazards, from Class 1 Modification for quarter ending September 30, 2002 ~~March 31, 2001~~
- Chapter 7.0 Contingency Plan, from Class 1 Modification from quarter ending September 30, 2002⁰
- Chapter 8.0 Personnel Training, from Class 1 Modification from quarter ending September 30, 2002⁺
- Chapter 11.0 Closure and Financial Assurance, from Class 1 Modification for quarter ending September 30, 2002 ~~June 30, 1998~~
- Chapter 12.0 Reporting and Recordkeeping, from Class 1 Modification from quarter ending September 30, 2002 ~~March 31, 2001~~
- Chapter 13.0 Other Federal and State Laws, from Class 1 Modification from quarter ending September 30, 2002 ~~March 31, 2001~~
- Appendix 2A ~~Topographic Map~~
- Appendix 3A ~~Waste Analysis Plan for 242-A Evaporator, from Class 1 Modification from quarter ending September 30, 2001~~
- Appendix 4A ~~Engineering Drawings, from Class 1 Modifications for quarter ending March 31, 2002~~
- Appendix 4B The 242-A Evaporator/Crystallizer Tank System Integrity Assessment Report, from Class 1 Modification from quarter ending September 30, 2002
- Appendix 7A ~~Building Emergency Plan for 242-A Evaporator from Class 2 Modification, dated February 2001. Enforceable portions include Sections 1.5, 3.1, 4.0, 7.1, 7.1.1, 7.1.2, 7.2, 7.2.1, 7.2.2, 7.2.3, 7.2.4, 7.2.5, 7.2.5.1, 7.3, 8.2, 8.3, 8.4, 9.0, 9.1, 9.2, 9.3, 9.4, 9.5, 9.6, 11.0, 12.0, and 13.0.~~

III.5.B.

AMENDMENTS TO THE APPROVED PERMIT APPLICATION

III.5.B.a.

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

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

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

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

A. General Permit Provisions

I. Administrative and informational changes

Submitted by Co-Operator: <i>J. A. VanVliet</i>	Reviewed by RL Program Office: <i>G. H. Sanders</i>	Reviewed by Ecology: <i>F. C. Jamison</i>	Reviewed by Ecology: <i>L. E. Ruud</i>
Date: <i>02/10/02</i>	Date: <i>02/18/02</i>	Date: <i>02/22/02</i>	Date: <i>3/24/02</i>

¹Class 1 modifications requiring prior Agency approval.

² This is only an advanced notification of an intended Class¹, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.

³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to¹, if appropriate.

Hanford Facility RCRA Permit Modification Notification Form

Unit:
242-A Evaporator

Permit Part & Chapter:
Part III, Chapter 5 and Attachment 35

Description of Modification:

Chapter 2.0: Delete Appendix 2A, and add the text below in Chapter 2.0, Section 2.1.

2.1 TOPOGRAPHIC MAP

Topographic map Drawing H-13-000039, 200 Area Liquid Waste Processing Facilities, 242-A Evaporator, Liquid Effluent Retention Facility, Effluent Treatment Facility, Sheet 1 of 2, and Sheet 2 of 2.

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

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

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

A. General Permit Provisions

1. Administrative and informational changes

Submitted by Co-Operator: <i>J. A. VanVliet</i>	Reviewed by RI Program Office: <i>G. H. Sanders</i>	Reviewed by Ecology: <i>F. C. Jamison</i>	Reviewed by Ecology: <i>L. E. Ruud</i>
<i>6/12/02</i> Date	<i>12/10/02</i> Date	<i>2/2/03</i> Date	<i>3/24/03</i> Date
J. A. VanVliet	G. H. Sanders	F. C. Jamison	L. E. Ruud

¹Class 1 modifications requiring prior Agency approval.

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

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

Hanford Facility RCRA Permit Modification Notification Form

Unit:
242-A Evaporator

Permit Part & Chapter:
Part III, Chapter 5 and Attachment 35

Description of Modification:

Chapter 3.0: Delete Appendix 3A and add the text in Chapter 3.0.

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

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

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

A. General Permit Provisions
1. Administrative and informational changes

Submitted by Co-Operator: <i>J. A. VanVliet</i>	Reviewed by RL Program Office: <i>G. H. Sanders</i>	Reviewed by Ecology: <i>F. C. Jamison</i>	Reviewed by Ecology: <i>L. E. Ruud</i>
Date: 12/19/02	Date: 12/18/02	Date: 2/4/03	Date: 3/24/03
J. A. VanVliet	G. H. Sanders	F. C. Jamison	L. E. Ruud

¹Class 1 modifications requiring prior Agency approval.

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

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

Hanford Facility RCRA Permit Modification Notification Form

Unit:
242-A Evaporator

Permit Part & Chapter:
Part III, Chapter 5 and Attachment 35

Description of Modification:

Chapter 7.0: Delete Appendix 7A and add the enforceable sections of Appendix 7A in Chapter 7.0.

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

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

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

A. General Permit Provisions
1. Administrative and informational changes

Submitted by Co-Operator: <i>J. A. VanVliet</i>	Reviewed by RL Program Office: <i>G. H. Sanders</i>	Reviewed by Ecology: <i>F. C. Jamison</i>	Reviewed by Ecology: <i>L. E. Ruud</i>
Date: 11/19/02	Date: 12/18/02	Date:	Date: 3/24/03
J. A. VanVliet	G. H. Sanders	F. C. Jamison	L. E. Ruud
Date	Date	Date	Date

¹Class 1 modifications requiring prior Agency approval.

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

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

Hanford Facility RCRA Permit Modification Notification Forms
List of Attachments
Attachment 4, Hanford Emergency Management Plan

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Hanford Facility RCRA Permit Modification Notification Form

Unit:
Hanford Emergency Management Plan

Permit Part & Chapter:
List of Attachments, Attachment 4

Description of Modification:

1.3.4 Hanford Site Emergency Response

This section provides an overview of how the Hanford Site responds to events. It covers the actions to be taken for an event by the event discoverer, the facility staff, and by agencies such as the Hanford Fire Department and/or Hanford Patrol.

Since the Hanford Site has a diverse array of facilities and processes, a graded approach is used to respond to an event depending upon the nature of a facility and/or the severity of the event. There are a number of events to which the site has to be ready to respond, including releases, spills, operational events, fires, natural phenomenon, and security events.

The discoverer of an event (e.g., fire, release, spill, transportation incident, etc.) initiates response to the event. For some events, specific response actions to mitigate the event by the discoverer and/or facility staff may be appropriate. In such cases, actions may include shutting down systems, isolating materials, or performing other facility specific response actions when appropriate. Facility procedures may also direct protective actions for personnel.

In other events, resources outside the facility may be required. In these cases, the general response approach is outlined in Figure 1-2 and requires the discoverer to call the 911 emergency number. Upon being contacted, the 911 emergency center assesses the situation and notifies the primary response agency ~~the~~ - the Hanford Fire Department ~~or~~ and Hanford Patrol ~~for security events~~ - that responds and ensures implementation of the Hanford Incident Command System.

The Hanford Incident Command System provides for coordination of all responders including the facility emergency response organization (i.e., Building Emergency Director, Building Warden, etc.). The senior Hanford Fire Department official becomes the Incident Commander (IC), unless the event is determined to primarily be a security event, in which case the ~~Hanford Fire Department and Hanford Patrol senior officer becomes the IC will operate under a unified command system with Hanford Patrol making all decisions pertaining to security.~~

When the Hanford Incident Command System is established, a coordinated effort to plan and implement additional mitigative activities commences. In addition, the consequences of the event are further analyzed and additional protective actions are implemented through the use of emergency signals, crash alarm telephone systems, and barricades if determined necessary.

Whenever there is an event at Hanford, certain notifications are required depending upon the type and severity of the event. These notifications would include management notifications, activation of emergency response personnel, and offsite agency notifications as necessary. These notifications are performed primarily by the Occurrence Notification Center (ONC) and site contractor environmental single points-of-contact. For events that do not meet emergency criteria but could cause public concern or media interest, local and state emergency management agencies are notified as well as state regulatory agencies for information purposes. If the event exceeds regulatory criteria, the appropriate regulatory agencies are notified immediately.

Concurrent with the immediate notifications to the appropriate regulatory agencies, if the event is severe enough to be classified as an Alert, Site Area Emergency, or General Emergency, state and county agencies are notified within 15 minutes of declaration of the emergency. This notification allows the agencies to implement protective actions for their populations if necessary, and to begin mobilization of resources. In addition, preplanned protective actions are implemented for site personnel and the Hanford EOC is activated to support the Incident Command Organization and coordinate interface with offsite agencies.

Upon mitigation of the event to the point the situation is stabilized and ensuring that actions have been taken to prevent reoccurrence, the event is terminated and the recovery effort begins. Recovery is the process of planning for and implementing actions to return the facility/process to pre-event conditions. Actions could include activities such as equipment repair, decontamination, proper storage of waste generated, and providing any follow-up reporting to appropriate regulatory agencies.

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

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

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

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

Submitted by Co-Operator:	Reviewed by RL:	Reviewed by Ecology:	Reviewed by Ecology:
 G. B. Griffin	 K. J. Flynn	 M. Anderson-Moore	 L.E. Ruud
10/1/02 Date	11/13/02 Date	3/24/03 Date	3/24/03 Date

¹ Class 1 modifications requiring prior Agency approval.

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

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

Hanford Facility RCRA Permit Modification Notification Form

Unit: Hanford Emergency Management Plan	Permit Part & Chapter: List of Attachments, Attachment 4
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Description of Modification:

2.2 EMERGENCY RESPONSE ORGANIZATION STRUCTURE

Emergency response on the Hanford Site is modeled after the NFPA Incident Command System. As such, the Hanford Incident Command System is an integrated emergency management system with clearly defined responsibilities and communication pathways that allows pre-designated and trained individuals to jointly determine and implement incident mitigation strategies.

The Hanford Site ERO has two distinct components – the Incident Command Organization and the DOE Hanford EOC – each with emergency direction and control responsibilities.

The Incident Command Organization consists of the Facility/Building Emergency Response Organization with responsibility for implementing emergency response activities at the event facility, and site contractor emergency response personnel (i.e., Hanford Fire Department, Hanford Patrol) with the responsibility for on-scene mitigation.

For low-hazards and hazardous facilities with a Building Emergency Director (BED) or Building Warden (BW) on the premise at the time of the incident, the BED/BW shall be responsible for implementing appropriate emergency response procedures (e.g., protective actions, event classification, notification) until arrival of the ~~Hanford Fire Department IC or the Hanford Patrol IC for security events~~. Upon arrival of the ~~Hanford Fire Department or Hanford Patrol IC~~, the Facility/Building Emergency Response Organization becomes part of a consolidated Incident Command Organization. The BED/BW shall retain responsibility for direct configuration control over facility systems and components while the IC assumes the overall management strategy associated with the incident and ensures that all functional areas are appropriately staffed and working cohesively towards mitigation of the incident.

If the BED/BW is not present at the low-hazards or hazardous facility at the time of an incident (e.g., during off shift hours), the IC shall perform the duties of the BED/BW in addition to his/her own duties. The respective on-call BED/BW shall be summoned to the scene based upon the BED/BW listing located in the POC or PNNL Control Room. If necessary, the BED/BW will make the classification decision (i.e., Alert, Site Area Emergency, or General Emergency) and determine if the RCRA contingency plan implementation requirements have been met prior to responding to the scene. If the on-call BED/BW is not available and timely classification is necessary, the IC may direct the ONC Duty Officer to make the classification decision and determine if the RCRA contingency plan implementation requirements have been met. Upon arrival of the BED/BW at the scene, the IC will turn over the remaining BED/BW duties.

The DOE Hanford EOC has the responsibility to monitor and provide support for the onsite response, assist with issue resolution, assess the offsite impacts, and interface with offsite agencies and the public.

Both components of the Hanford ERO are depicted on Figure 2-1 and further delineated in the respective subsections below.

For nonfacility events (e.g., onsite transportation incidents, wildland fires), the IC shall be responsible for coordinating and performing the response activities. The EDO shall have the responsibility for further classifying the event (i.e., as an Alert, Site Area Emergency, or General Emergency) and ~~determining if ensuring that~~ the RCRA contingency plan implementation requirements have been met ~~in accordance with subsection 4.2~~, if warranted. If the EDO is not available and timely classification is necessary, the IC may direct the ONC Duty Officer to make the classification decision and determine if the RCRA contingency plan implementation requirements have been met, if warranted. After the immediate threat of a release has been stabilized or eliminated, remaining duties will be delegated from the IC to the organization that offered the hazardous substance for transportation.

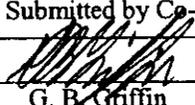
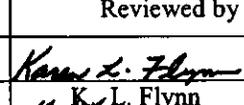
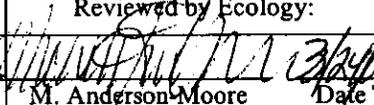
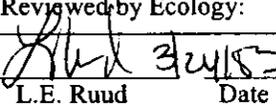
In all events, the Incident Command Organization shall have the authority to commit the resources needed to carry out the emergency response; and be thoroughly familiar with applicable plans and procedures, operations and activities at the facility, location and properties of all wastes handled, location of all records within the facility, and the layout of the facility.

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

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

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

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

Submitted by Co-Operator:	Reviewed by RL:	Reviewed by Ecology:	Reviewed by Ecology:
 G. B. Griffin	 L. Flynn	 M. Anderson-Moore	 L.E. Ruud
Date	Date	Date	Date

¹ Class 1 modifications requiring prior Agency approval.

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

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

Hanford Facility RCRA Permit Modification Notification Form

Attachment 33, General Information Portion

Quarter Ending December 31, 2002

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Page 2 of 2: Attachment 33, Chapter 6.0, Section 6.1.1

Hanford Facility RCRA Permit Modification Notification Form					
Unit: Hanford Facility RCRA Permit	Permit Part & Chapter: List of Attachments, Attachment 33 General Information Portion				
<p>Description of Modification:</p> <p>List of Attachments, Attachment 33, Chapter 6.0</p> <p>6.1.1 Security Procedures and Equipment [F-1a]</p> <p>The section describes the 24-hour surveillance system, warning signs, and barriers used to provide security and control access to the Hanford Facility. WAC 173-303-310(2)(b), a 24-hour surveillance system, or WAC 173-303-310(2)(c), artificial or natural barriers, are met at the Hanford Facility level and are not the responsibility of the TSD unit. Operating TSD units contained in Part III of the HF RCRA Permit (DW Portion) may be required to comply with requirements in WAC 173-303-310(2)(c) based on established Part III permit conditions. A 24-hour surveillance system, warning signs, and artificial and natural barriers are used to provide security and control access to the Hanford Facility. The entire Hanford Facility is a controlled access area. The Hanford Facility maintains around-the-clock surveillance for protection of government property, classified information, and special nuclear materials. The Hanford Patrol maintains a continuous presence of protective force personnel to provide additional security.</p> <p>The majority of TSD units are located within, or in the vicinity of near, the 200 Areas (refer to Chapter 1.0, Table 1-1, Appendix 2A). Vehicular access to roads leading to these areas is through controlled access points at the Staffed barricades are maintained around the clock at checkpoints on vehicular access roads leading to these areas (Yakima, Wye, and Rattlesnake Barricades; (Drawing H-6-958 in Appendix 2A), which are posted with restrictive signage). Unstaffed barricades/fences are maintained for Perimeter fences, restrictive signage, and random protective force patrols are used to control access to the 300 Area. All personnel accessing locations on the Hanford Site (except for publicly accessible locations) must <u>have possess and display</u> a U.S. Department of Energy-issued security identification badge indicating the appropriate authorization. All personnel also could be entering or exiting the Hanford Site are subject to random security badge inspections by protective force personnel to validate access authorization. All vehicles and hand-carried items entering or exiting the Hanford Site are subject to a random searches by protective force personnel to preclude the unauthorized introduction of prohibited/controlled articles, or the unauthorized removal of government or contractor assets, of items carried into or out of the Hanford Site. Additional means to bar entry or control access (e.g., fences, locked entry doors) are discussed in the Unit-Specific Portion of this permit application or, if appropriate, in unit-specific preclosure work plan, closure work plan, closure plan, closure/postclosure plan, or postclosure permit application documentation.</p> <p>Operating TSD units in Part III of the HF RCRA Permit (DW Portion) must comply with the requirements found in WAC 173-303-310(2)(a) regarding the placement of signs. Security information for operating TSD units regarding the placement of signs is provided in the Unit-Specific portion of this permit application. Security information for non-operating TSD units incorporated into Part III, Part V, or Part VI of the HF RCRA Permit (DW Portion) regarding the placement of signs are determined on a case-by-case basis. Security information for non-operating TSD units may be documented in unit-specific preclosure work plan, closure work plan, closure plan, closure/postclosure plan, or postclosure permit application documentation, as appropriate.</p> <p>Signs are, or will be, posted at area boundaries within the Hanford Site stating "NO TRESPASSING. SECURITY BADGES REQUIRED BEYOND THIS POINT. AUTHORIZED VEHICLES ONLY. PUBLIC ACCESS PROHIBITED" (or an equivalent legend). In addition, warning signs stating "DANGER--UNAUTHORIZED PERSONNEL KEEP OUT" (or an equivalent legend) are, or will be, posted at operating TSD units or at active portions of operating TSD units within the Hanford Facility. These signs are, or will be, written in English, legible from a distance of 7.6 meters, and visible from all angles of approach.</p>					
Modification Class: ¹²³	Class 1	Class ¹ 1	Class 2	Class 3	
Please check one of the Classes:	X				
Relevant WAC 173-303-830, Appendix I Modification: A.1.					
<u>Enter wording of the modification from WAC 173-303-830, Appendix I citation</u>					
A. General Permit Provisions					
1. Administrative and Informational changes.					
Submitted by Co-Operator: <i>R. H. Gurske</i> R. H. Gurske	Reviewed by RL Program Office <i>Paul Heddon</i> J. B. Heddon	Reviewed by Ecology: <i>L. E. Ruud</i> L. E. Ruud	Date <i>12 Dec 02</i> Date	Date <i>1/9/03</i> Date	Date <i>3/24/03</i> Date

¹ Class 1 modifications requiring prior Agency approval.

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Hanford Facility RCRA Permit Modification Notification Forms

Part III, Chapter 6 and Attachment 36

325 Hazardous Waste Treatment Units

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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
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Description of Modification:

Hanford Facility RCRA Permit, III.6.A: Incorporated the Appendices in their respective Chapters. Refer to following forms.

III.6.A. COMPLIANCE WITH APPROVED PERMIT APPLICATION

The Permittees shall comply with all requirements set forth in Attachment 36, including the Amendments specified in Condition III.6.B. ~~Enforceable portions of the application are listed below; a~~ All subsections, figures, and tables included in these portions are also enforceable, ~~unless stated otherwise.~~ *dkg jke*

- Chapter 1.0 Part A, Form 3, Dangerous Waste Permit Application, Revision 4A, from Class 1 Modification for quarter ending December 31, 2002 ~~June 30, 2000~~
- Chapter 2.0~~2~~ Unit Description Topographic Map, from Class 12 Modification for quarter ending December 31, 2002 ~~dated March 2002, and approved November 2002~~
- Chapter 3.0 Waste Analysis Plan, Characteristics from Class 1 Modification for quarter ending December 31, 2002 ~~1998~~
- Chapter 4.0 Process Information from Class 12 Modification for quarter ending December 31, 2002 ~~dated March 2002, and approved November 2002~~
- Chapter 6.0 Procedures to Prevent Hazards, from Class 12 Modification for quarter ending December 31, 2002 ~~dated March 2002, and approved November 2002~~
- Chapter 7.0 Contingency Plan, from Class 1 Modification for quarter ending December 31, 2002 ~~June 30, 2002~~
- Chapter 8.0 Personnel Training, from Class 1 Modification for quarter ending December 31, 2002 ~~September 30, 2001~~
- Chapter 11.0 Closure and Financial Assurance, from Class 12 Modification for quarter ending December 31, 2002 ~~dated March 2002, and approved November 2002~~
- Chapter 12.0 Reporting and Recordkeeping, from Class 1 Modification for quarter ending December 31, 2002 ~~1998~~
- Chapter 13.0 Other Federal and State Relevant Laws, from Class 1 Modification for quarter ending December 31, 2002 ~~1998~~
- Appendix 3A ~~325 HWTUs Waste Analysis Plan from Class 2 Modification dated March 2002, and approved November 2002~~
- Appendix 4A Engineering Drawings

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

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

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

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

Submitted by Co-Operator: <i>A. K. Ikenberry</i> 12/12/02	Reviewed by RL Program Office: <i>R. F. Christensen</i> 12/16/02	Reviewed by Ecology: <i>F. C. Jamison</i> 1/14/03	Reviewed by Ecology: <i>L. E. Ruud</i> 3/24/03
A. K. Ikenberry Date	R. F. Christensen Date	F. C. Jamison Date	L. E. Ruud Date

¹Class 1 modifications requiring prior Agency approval.

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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:

Hanford Facility RCRA Permit, III.6.B: Delete the following Conditions, the Conditions were incorporated in their respective Chapters. Refer to following forms.

III.6.B. AMENDMENTS TO THE APPROVED PERMIT APPLICATION

- ~~III.6.B.a. Only treatment specifically identified in the enforceable portions of the application and these Permit Conditions may be performed at this TSD unit.~~
- ~~III.6.B.c. For all shipments of dangerous waste to or from the 325 HWTUs, the Permittees shall comply with the applicable information in Conditions II.Q.1.h. and II.Q.2. of the Permit. For clarification, all dangerous waste must be transported in accordance with the unit specific provisions as outlined in the PNNL Operating Procedure for the 325 Building, in effect at the date of the transfer. With exception to, and in addition to, the packaging and transporting operations, shall be as follows:
The acceptance of all dangerous waste received at the 325 TSD Units will be dependent upon their packaging. Liquid waste containers accepted from other buildings to the 325 HWTUs shall have secondary containment with absorbent materials packed around the contents.~~
- ~~III.6.B.d. The Permittee must conduct integrity assessments over the life of the two (2) tank systems in this TSD unit, to ensure that the tanks retain structural integrity per WAC 173-303-640. Records must be maintained in the Operating Record for this TSD unit. Within thirty (30) days of completion of each assessment, data relating to each tank system shall be made available, upon request, to Ecology for review.~~
- ~~III.6.B.e. Within three (3) months of final installation of the new tank, the Permittee shall submit to Ecology a written integrity assessment, which has been reviewed and certified by an independent, qualified, registered professional engineer, in accordance with WAC 173-303-810 (12)(a).~~
- ~~III.6.B.f. The TSD unit shall comply with all applicable Subpart AA and BB requirements of the Air Emission Standards.~~
- ~~III.6.B.g. In response to the request in Chapter 11.0, Section 11.7, of Attachment 36, the Permittees are granted two (2) years to close the TSD unit. This time period is necessitated by the high levels of radioactivity in the materials that are present, particularly in the six (6) interconnected hot cells. Removal of waste inventory from the TSD unit is an activity of closure.~~
- ~~III.6.B.h. 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.~~
- ~~III.6.B.i. Shipments of waste shall not be accepted from any on-site generator without information required by the 325 HWTUs WAP, accompanying the first shipment of any waste stream. The TSD unit staff shall obtain, from the on-site generator, the information necessary to determine the waste code, treatability group (i.e., wastewater versus non-wastewater), subcategory, and identification of underlying hazardous constituents for certain characteristic waste. A member of the TSD unit staff may sign the LDR certification as a representative of the generator.~~
- ~~III.6.B.j. Shipments of waste shall not be accepted from any off-site generator without LDR certification, if applicable, accompanying each shipment. For waste received from off-site generators, the TSD unit shall receive the information pursuant to 40 CFR 268 regarding LDR wastes. The generator must sign the LDR certification.~~
- ~~III.6.B.k. The QA/QC control program for sampling and analysis related to this TSD unit must, at a minimum, comply with the applicable Hanford Site standard requirements and regulatory requirements. All analytical data shall be defensible and shall be traceable to specific, related quality control samples and calibrations.~~
- ~~III.6.B.l. By April 28, 1998, the Permittees shall submit the following for review and approval by Ecology: for each parameter, the respective accuracy, precision, and quantitation limit (or minimum detectable activity) necessary to meet the regulatory or decision limit. These data quality requirements shall be added to the WAP and become enforceable Conditions of the Permit. For determining the toxicity characteristics, SW-846 Method 1311 should be followed wherever possible. The Permittee may use the total metals test and assumption of complete extractability as described in Method 1311. A reduced sample size may also be utilized for As Low As Reasonably Achievable (ALARA) purposes as recommended by the "Joint NRC/EPA Guidance on Testing Requirements of Mixed Radioactive and Hazardous Waste" (62 FR 62079).~~
- ~~III.6.B.m. For a given parameter, analytical methods are selected and may be modified as long as the applicable precision, accuracy, and quantitation limit (or minimum detectable activity) necessary to meet the regulatory or decision limit can be met or improved. (Note: the Permittee submission described in Condition III.6.B.l. will define these data quality requirements for this TSD unit.)~~
- ~~III.6.B.n. Appendix 7A, Sections 3.2, 4.0, 5.0, and 6.0 are added as enforceable Sections.~~
- ~~III.6.B.o. Chapter 7, at the end of the paragraph, add "by Ecology and shall follow WAC 173-303-360, where applicable"~~
- ~~III.6.B.p. Portions of DOE/RL-94-02 that are not made enforceable by inclusion in the applicability matrix for that document, are not made enforceable by reference in this document.~~

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

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

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

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

Submitted by Co-Operator: <i>A. K. Ikenberry</i>	Reviewed by RL Program Office: <i>R. F. Christensen</i>	Reviewed by Ecology: <i>F. C. Jamison</i>	Reviewed by Ecology: <i>L. E. Ruud</i>
Date	Date	Date	Date

¹Class 1 modifications requiring prior Agency approval.

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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:

Chapter 3.0, Section 3.10.1:

3.10.1 Procedures for Receiving Shipments

The generator is responsible for identifying waste composition accurately and arranging for the transport of the waste. A copy of each transfer-tracking form and any other pertinent operating records are maintained by the 325 HWTUs for 5 years. The waste-tracking methods are as follows.

- **Inspection of Transfer Papers/Documentation** – 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 documentation, and the documentation matches the labels on the containers).
- **Inspection of Waste Containers** – The condition of waste containers is checked to verify that the containers are in good condition (i.e., free of holes and punctures).
- **Inspection of Container Labeling** – Transfer documentation is used to verify that the containers are labeled with the appropriate "Hazardous/Dangerous Waste" labeling and associated markings according to the contents of the waste container.
- **Acceptance of Waste Containers** – The 325 HWTUs personnel sign the transfer documents and retain a copy.

If transport will be over public roads (unless those roads are closed to public access during waste transport) or offsite, then a Uniform Hazardous Waste Manifest will be prepared identifying the 325 HWTUs as the receiving unit (Hanford Facility Permit Condition II.Q.1). 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 records for 3 years.

For all shipments of dangerous waste to or from the 325 HWTUs, the Permittees shall comply with the applicable information in Conditions II.Q.1.h. and II.Q.2. of the Permit. For clarification, all dangerous waste must be transported in accordance with the unit specific provisions as outlined in the PNNL Operating Procedure for the 325 Building, in effect at the date of the transfer. With exception to, and in addition to, the packaging and transporting operations, shall be as follows:

The acceptance of all dangerous waste received at the 325 TSD Units will be dependent upon their packaging. Liquid waste containers accepted from other buildings to the 325 HWTUs shall have secondary containment with absorbent materials packed around the contents.

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

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

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

A. General Permit Provisions

1. Administrative and informational changes

Submitted by Co-Operator: <i>A. K. Ikenberry</i> 12/12/02 A. K. Ikenberry Date	Reviewed by RL Program Office: <i>R. F. Christensen</i> 12/12/02 R. F. Christensen Date	Reviewed by Ecology: <i>F. C. Jamison</i> 3/24/03 F. C. Jamison Date	Reviewed by Ecology: <i>L. E. Ruud</i> 3/24/03 L. E. Ruud Date
--	---	--	--

¹Class 1 modifications requiring prior Agency approval.

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

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Hanford Facility RCRA Permit Modification Notification Form

Unit: 325 Hazardous Waste Treatment Units	Permit Part & Chapter: Part III, Chapter 6 and Attachment 36
---	--

Description of Modification:

Chapter 3.0, Section 3.6.1:

3.6.1 Sample Custody

The generators or 325 HWTUs personnel are responsible for initiating and following chain-of-custody procedures form. Generators initiate sample-custody records in the field at the time samples are collected. A chain-of-custody form is used to document sample-collection activities, including sampling site, sample identification, number of samples, and date and time of collection. Additionally, the form documents the chain of custody including the names of responsible individuals and the dates and times of custody transfers.

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

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

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

A. General Permit Provisions
 1. Administrative and informational changes

Submitted by Co-Operator: <i>A. K. Ikenberry</i> <i>12/14/02</i>	Reviewed by RL Program Office: <i>R. F. Christensen</i> <i>12/14/02</i>	Reviewed by Ecology: <i>F. C. Jamison</i> <i>12/14/02</i>	Reviewed by Ecology: <i>L. E. Ruud</i> <i>3/24/03</i>
A. K. Ikenberry Date	R. F. Christensen Date	F. C. Jamison Date	L. E. Ruud Date

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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:

Chapter 3.0, Section 3.7.2.1:

3.7.2.1 Waste Characterization

Shipments of waste shall not be accepted from any off-site generator without LDR certification, if applicable, accompanying each shipment. For waste received from off-site generators, the TSD unit shall receive the information pursuant to 40 CFR 268 regarding LDR wastes. The generator must sign the LDR certification.

Before being received at 325 HWTUs, the RCRA waste characteristics, the level of toxicity characteristics, and the presence of listed, wastes are determined during the physical and chemical analyses process. This information allows waste-management personnel to make all LDR determinations accurately and complete appropriate notifications and certifications.

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

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

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

A. General Permit Provisions
 1. Administrative and informational changes

Submitted by Co-Operator: <i>A. K. Ikenberry</i> 6/12/02	Reviewed by RL Program Office: <i>R. F. Christensen</i> 12/16/02	Reviewed by Ecology: <i>F. C. Jamison</i> 2/24/03	Reviewed by Ecology: <i>L. E. Ruud</i> 3-24-03
A. K. Ikenberry Date	R. F. Christensen Date	F. C. Jamison Date	L. E. Ruud Date

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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:

Chapter 3.0, Section 3.8.3:

3.8.3 Quality Assurance and Quality Control Objectives

The objectives of the QA/QC program are two-fold. The first objective is to control and characterize any errors associated with the collected data. Quality-assurance activities, such as the use of standard procedures for locating and collecting samples, are intended to limit the introduction of error. Quality-control activities, such as the collection of duplicate samples and the inclusion of blanks in sample sets, are intended to provide the information required to characterize any errors in the data. Other QC activities, such as planning the QC program and auditing ongoing and completed activities, ensure that the specified procedures are followed and that the QA information needed for characterizing error is obtained.

The QA/QC control program for sampling and analysis related to this TSD unit must, at a minimum, comply with the applicable Hanford Site standard requirements and regulatory requirements. All analytical data shall be defensible and shall be traceable to specific, related quality control samples and calibrations.

The second QA/QC objective is to illustrate that waste testing has been performed according to specification in this waste-analysis plan. The QA/QC activities will include the following:

- Field inspections – performed by a PNNL QA officer or designee, depending on the activity. The inspections primarily are visual examinations but might include measurements of materials and equipment used, techniques employed, and the final products. The purpose of these inspections is to verify that a specific guideline, specification, or procedure for the activity is completed successfully.
- Field testing – performed onsite by the QA officer (or designee) according to specified procedures.
- Laboratory analyses – performed by onsite or offsite laboratories on samples of waste. The purpose of the laboratory analyses is to determine constituents or characteristics present and the concentration or level.
- Checklists – required for crucial inspections. Checklists are filled out during the course of inspection to document inspection results.
- Instrument calibration – required for maintaining records of calibration of all instruments used to perform surveying, field testing, and laboratory analyses.

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

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

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

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

Submitted by Co-Operator: <i>A. K. Ikenberry</i>	Reviewed by RL Program Office: <i>R. F. Christensen</i>	Reviewed by Ecology: <i>F. C. Jamison</i>	Reviewed by Ecology: <i>L. E. Ruud</i>
Date: <i>12/16/02</i>	Date: <i>12/16/02</i>	Date: <i>02/16/03</i>	Date: <i>3/24/03</i>
A. K. Ikenberry	R. F. Christensen	F. C. Jamison	L. E. Ruud
Date	Date	Date	Date

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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:

Chapter 3.0, Section 3.8.5:

3.8.5 Data Collection/Sampling Objectives

For determining the toxicity characteristics, SW-846 Method 1311 should be followed wherever possible. The Permittee may use the total metals test and assumption of complete extractability as described in Method 1311. A reduced sample size may also be utilized for As Low As Reasonably Achievable (ALARA) purposes as recommended by the "Joint NRC/EPA Guidance on Testing Requirements of Mixed Radioactive and Hazardous Waste" (62 FR 62079).

For a given parameter, analytical methods are selected and may be modified as long as the applicable precision, accuracy, and quantitation limit (or minimum detectable activity) necessary to meet the regulatory or decision limit can be met or improved.

The acquired data need to be scientifically sound, of known quality, and thoroughly documented. The DQOs for the data assessment will be used to determine compliance with national quality standards, which are as follows:

- Precision – The precision will be the agreement between the collected samples (duplicates) for the same parameters, at the same location, and from the same collection vessel.
- Representativeness – The representativeness will address the degree to which the data accurately and precisely represent a real characterization of the population, parameter variation at a sampling point, sampling conditions, and the environmental condition at the time of sampling. The issue of representativeness will be addressed for the following points:
- Based on the generating process, the waste stream, and its volume, an adequate number of sampling locations are selected

The representativeness of selected media has been defined accurately.

- The sampling and analytical methodologies are appropriate.
- The environmental conditions at the time of sampling are documented.
- Completeness -- The completeness will be defined as the capability of the sampling and analytical methodologies to measure the contaminants present in the waste accurately.
- Comparability – The comparability of the data generated will be defined as the data that are gathered using standardized sampling methods, standardized analyses methods, and quality-controlled data-reduction and validation methods.

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

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

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

A. General Permit Provisions

1. Administrative and informational changes

Submitted by Co-Operator: <i>A. K. Ikenberry</i> 12/12/02	Reviewed by RL Program Office: <i>R. F. Christensen</i> 12/14/02	Reviewed by Ecology: <i>F. C. Jamison</i> 02/14/03	Reviewed by Ecology: <i>L. E. Ruud</i> 3/24/03
A. K. Ikenberry Date	R. F. Christensen Date	F. C. Jamison Date	L. E. Ruud Date

¹Class 1 modifications requiring prior Agency approval.

² This is only an advanced notification of an intended Class¹, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.

³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to¹, if appropriate.

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:

Chapter 4.0, Delete Appendix 4A and add the following to Chapter 4.0, Section 4.4.

4.4 ENGINEERING DRAWING

H-3-300294 Waste Tank Piping Installation

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

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

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

A. General Permit Provisions

1. Administrative and informational changes

Submitted by Co-Operator: <i>A. K. Ikenberry</i> 12/12/02 A. K. Ikenberry Date	Reviewed by RL Program Office: <i>R. F. Christensen</i> 12/6/02 R. F. Christensen Date	Reviewed by Ecology: <i>F. C. Jamison</i> 12/12/02 F. C. Jamison Date	Reviewed by Ecology: <i>L. E. Ruud</i> 3/24/03 L. E. Ruud Date
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¹Class 1 modifications requiring prior Agency approval.

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

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

Hanford Facility RCRA Permit Modification Notification Form

Unit: 325 Hazardous Waste Treatment Units	Permit Part & Chapter: Part III, Chapter 6 and Attachment 36
---	--

Description of Modification:

Chapter 4.0, Section 4.3:

4.3 AIR EMISSIONS CONTROL

The TSD unit shall comply with all applicable Subpart AA and BB requirements of the Air Emission Standards. The air emissions standards on 40 CFR 265, Subpart AA and BB do not apply to any part of the 325 HWTUs. Containers in the 325 HWTUs are primarily managed as mixed waste. Such containers are exempt from 40 CFR 264, Subpart CC by 40 CFR 264.1080(6).

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

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

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

A. General Permit Provisions
 1. Administrative and informational changes

Submitted by Co-Operator: <i>A. K. Ikenberry</i> 12/12/02	Reviewed by RL Program Office: <i>R. F. Christensen</i> 12/16/02	Reviewed by Ecology: <i>F. C. Jamison</i> 03/24/03	Reviewed by Ecology: <i>L. E. Ruud</i> 3/24/03
A. K. Ikenberry Date	R. F. Christensen Date	F. C. Jamison Date	L. E. Ruud Date

¹Class 1 modifications requiring prior Agency approval.

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

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

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:

Chapter 7.0: Delete Appendix 7A and add Appendix 7A in Chapter 7.0.

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

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

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

A. General Permit Provisions

1. Administrative and informational changes

Submitted by Co-Operator:	Reviewed by RL Program Office:	Reviewed by Ecology:	Reviewed by Ecology:
<i>Aimee K Ikenberry</i> 12/12/02	<i>Jim R Christensen</i> 12/16/02	<i>F. C. Jamison</i> 3/24/03	<i>L. E. Ruud</i> 3/24/03
A. K. Ikenberry Date	R. F. Christensen Date	F. C. Jamison Date	L. E. Ruud Date

¹Class 1 modifications requiring prior Agency approval.

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

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

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:

Chapter 7.0, Section 7.0:

7.0 BUILDING EMERGENCY PROCEDURE RPL BUILDING

The WAC 173-303 requirements for contingency plans are satisfied in the following documents: the Building Emergency Plan for the 325 Hazardous Waste Treatment Units, and HF RCRA Permit, Attachment 4 (DOE/RL-94-04).

The cited contingency plan documents also serve to satisfy a broad range of other requirements (e.g., Occupational Safety and Health Administration standards and U.S. Department of Energy Orders). Therefore, revisions made to portions of the contingency plan documents that are not governed by the requirements of WAC 173-303 will not be considered as a modification subject to review or approval by Ecology and shall follow WAC 173-303-360 where applicable.

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

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

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

A. General Permit Provisions

1. Administrative and informational changes

Submitted by Co-Operator: <i>A. K. Ikenberry</i> 12/12/02	Reviewed by RL Program Office: <i>R. F. Christensen</i> 12/16/02	Reviewed by Ecology: <i>F. C. Jamison</i> 02/14/03	Reviewed by Ecology: <i>L. E. Ruud</i> 3/24/03
A. K. Ikenberry Date	R. F. Christensen Date	F. C. Jamison Date	L. E. Ruud Date

¹Class 1 modifications requiring prior Agency approval.

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

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Hanford Facility RCRA Permit Modification Notification Form

Unit: 325 Hazardous Waste Treatment Units	Permit Part & Chapter: Part III, Chapter 6 and Attachment 36
---	--

Description of Modification:

Chapter 7.0, Section 7.12.2.1::

7.12.2.1 Building Emergency Director

Building Emergency Director/Emergency Coordinator (BED/EC) and Alternates Emergency Telephone Numbers (If unsuccessful using numbers provided below contact the PNNL Single Point Contact 375-2400)

RPL Building Emergency Director
 William (Bill) Buyers 376-5746
 Cellular Phone 521-0343
 Pager 546-3002

RPL Building, First Alternate BED
 Stanley L. Jones 376-7449
 Cellular Phone 544-8499
 Pager 546-6369

RPL Building, Second Alternate BED
 Francis Buck 372-3666
 ~~Glenn Buckley~~ 373-0312
 Cellular Phone 521-2069
 539-4712
 Pager 530-9123
 85-9023

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

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

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

A. General Permit Provisions

1. Administrative and informational changes

Submitted by Co-Operator: <i>A. K. Ikenberry</i> 12/12/02 A. K. Ikenberry Date	Reviewed by RL Program Office: <i>R. F. Christensen</i> 12/16/02 R. F. Christensen Date	Reviewed by Ecology: <i>F. C. Jamison</i> 02/16/03 F. C. Jamison Date	Reviewed by Ecology: <i>L. E. Ruud</i> 3/11/03 L. E. Ruud Date
---	--	--	---

¹Class 1 modifications requiring prior Agency approval.

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

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

Hanford Facility RCRA Permit Modification Notification Forms

Part III, Chapter 6 and Attachment 36

325 Hazardous Waste Treatment Units

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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:

Chapter 3.0, Section 3.4.1:

3.4.1 Pre-Shipment Review

Shipments of waste shall not be accepted from any on-site generator without information required by the 325 HWTUs WAP, accompanying the first shipment of any waste stream. The TSD unit staff shall obtain, from the on-site generator, the information necessary to determine the waste code, treatability group (i.e., wastewater versus non-wastewater), subcategory, and identification of underlying hazardous constituents for certain characteristic waste. A member of the TSD unit staff may sign the LDR certification as a representative of the generator.

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.

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.

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.

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.

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

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

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

A. General Permit Provisions

1. Administrative and informational changes

Submitted by Co-Operator: <i>A. K. Ikenberry</i>	Reviewed by RL Program Office: <i>Mark Christensen</i>	Reviewed by Ecology: <i>F. C. Jamison</i>	Reviewed by Ecology:
<i>12/12/11</i> Date	<i>12/16/11</i> Date	<i>12/16/11</i> Date	 Date
A. K. Ikenberry	R. F. Christensen	F. C. Jamison	L. E. Ruud

¹Class 1 modifications requiring prior Agency approval.

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

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

Hanford Facility RCRA Permit Modification Notification Form

Unit:
325 Hazardous Waste Treatment Units

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

Description of Modification:

Chapter 4.0, Section 4.0:

4.0 PROCESS INFORMATION

This chapter provides a description of waste management, equipment, treatment processes, and storage operations. Only treatment specifically identified in the enforceable portions of the application and these Permit Conditions may be performed at this TSD unit.

Denial

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

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

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

A. General Permit Provisions
1. Administrative and informational changes

Submitted by Co-Operator: <i>A. K. Ikenberry</i> 12/12/02	Reviewed by RL Program Office: <i>R. F. Christensen</i> 12/16/02	Reviewed by Ecology: <i>F. C. Jamison</i> 12/16/02	Reviewed by Ecology:
A. K. Ikenberry Date	R. F. Christensen Date	F. C. Jamison Date	L. E. Ruud Date

¹Class 1 modifications requiring prior Agency approval.

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

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

Hanford Facility RCRA Permit Modification Notification Form

Unit:
325 Hazardous Waste Treatment Units

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

Description of Modification:

Chapter 4.0, Section 4.2.1.1.2:

4.2.1.1.2 Integrity Assessments

The Permittee must conduct integrity assessments over the life of the two (2) tank systems in this TSD unit, to ensure that the tanks retain structural integrity per WAC 173-303-640. Records must be maintained in the Operating Record for this TSD unit. Within thirty (30) days of completion of each assessment, data relating to each tank system shall be made available, upon request, to Ecology for review.

An independent, qualified, registered professional engineer's tank integrity certification has been completed and will be submitted as a separate document.

Within three (3) months of final installation of the new tank, the Permittee shall submit to Ecology a written integrity assessment, which has been reviewed and certified by an independent, qualified, registered professional engineer, in accordance with WAC 173-303-810 (13)(a).

DENIED

Modification Class: ¹²³

Please check one of the Classes:

Class 1	Class ¹ 1	Class 2	Class 3
X			

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

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

A. General Permit Provisions

1. Administrative and informational changes

Submitted by Co-Operator: <i>A. K. Ikenberry</i> A. K. Ikenberry	Date: <i>12/12/02</i> Date	Reviewed by RL Program Office: <i>R. F. Christensen</i> R. F. Christensen	Date: <i>12/16/02</i> Date	Reviewed by Ecology: <i>F. C. Jamison</i> F. C. Jamison	Date: <i>12/16/02</i> Date	Reviewed by Ecology: <i>L. E. Ruud</i> L. E. Ruud	Date: Date
--	----------------------------------	---	----------------------------------	---	----------------------------------	---	-------------------

¹Class 1 modifications requiring prior Agency approval.

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

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

Hanford Facility RCRA Permit Modification Notification Form

Unit:
325 Hazardous Waste Treatment Units

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

Description of Modification:

Chapter 11.0, Section 11.7:

11.7 EXTENSION FOR CLOSURE TIME

An extension of the time for removal of the inventory of dangerous waste from the unit designated for closure is requested for the 325 HWTUs. The high levels of radioactive materials that are present, particularly in the six interconnected hot cells, necessitate this extension. The expected time needed to remove all waste from the units is two years.

The extended period for removal of the inventory of dangerous waste is needed to accomplish the procedures that are needed to safely work with the levels of radioactive materials that are present in the SAL. All activities required to remove the inventory of dangerous waste will be conducted in accordance with applicable permit conditions and all safety systems will continue to be operated. The removal of the inventory of dangerous waste will be conducted following procedures that are designed to be protective of the workers and the environment.

An extension of the closure time is requested for the 325 HWTUs. The high levels of radioactive materials that are present, particularly in the six interconnected hot cells, necessitate this extension. The expected time needed to close the units is two years. The Permittees are granted two (2) years to close the TSD unit. This time is necessitated by the high levels of radioactivity in the materials that are present, particularly in the six (6) interconnected hot cells. Removal of waste inventory from the TSD unit is an activity of closure.

Decontamination of hot cells is a slow and labor-intensive operation, complicated by the fact that most of the work must be done remotely using manipulators because of the very high radiation levels that are present in the hot cells. Even after radiation levels in the hot cells have been reduced enough to allow personnel entry, work is hampered by the extensive personal protective equipment that staff are required to wear, and the strict procedures that are enforced to ensure that both workers and the environment are protected from contamination with radioactive material.

Most equipment located in the hot cells must be packaged in shielded containers. Typically, this requires extensive remotely operated size reduction of the equipment. Removal of hot cell equipment, such as is located in the SAL, usually takes many months to a year or more to complete.

The extended closure period is needed to accomplish the procedures that are needed to safely work with the levels of radioactive materials that are present in the SAL. All closure activities will be conducted in accordance with applicable permit conditions and all safety systems will continue to be operated. The closure activities will be conducted following procedures that are designed to be protective of the workers and the environment.

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

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

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

A. General Permit Provisions
1. Administrative and informational changes

Submitted by Co-Operator: <i>A. K. Ikenberry</i> 12/12/02	Reviewed by RL Program Office: <i>R. F. Christensen</i> 12/16/02	Reviewed by Ecology: <i>F. C. Jamison</i> 12/16/02	Reviewed by Ecology:
A. K. Ikenberry Date	R. F. Christensen Date	F. C. Jamison Date	L. E. Ruud Date

¹Class 1 modifications requiring prior Agency approval.

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

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

Hanford Facility RCRA Permit Modification Notification Forms

Part III, Chapter 5 and Attachment 35

242-A Evaporator

Quarter Ending December 31, 2002

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Page 5 of 6: Chapter 4.0
Page 6 of 6: Chapter 7.0

Hanford Facility RCRA Permit Modification Notification Form

Unit:
242-A Evaporator

Permit Part & Chapter:
Part III, Chapter 5 and Attachment 35

Description of Modification:

Chapter 4.0: Delete Appendix 4A and add the text below in Chapter 4.0, Section 4.3 as modified.

4.3 ENGINEERING DRAWINGS

The drawings in Table 4-2 are process and instrumentation diagrams for the systems at the 242-A Evaporator that contact mixed waste. These drawings are provided for general information and to demonstrate the adequacy of the design of the tank systems.

Table 4.2. Process and Instrumentation Diagrams.

System	Drawing Number	Drawing Title
Vapor-Liquid Separator	H-2-98988 Sheet 1	P & ID Evaporator Recirc System
Reboiler/Recirculation Line	H-2-98988 Sheet 2	P & ID Evaporator Recirc System
Slurry System	H-2-98989 Sheet 1	P & ID Slurry System
Condensate Collection Tank	H-2-98990 Sheet 1	P & ID Process Condensate System
Secondary Containment Drain System	H-2-98995 Sheet 1	P & ID Drain System
Secondary Containment Drain System	H-2-98995 Sheet 2	P & ID Drain System
Condensers	H-2-98999 Sheet 1	P & ID Vacuum Condenser System
Pump Room Sump	H-2-99002 Sheet 1	P & ID Jet Gang Valve System
Condensate Recycle System	H-2-99003 Sheet 1	P & ID Filtered Raw Water System

The drawings in Table 4.3 are for secondary containment systems for the 242-A Evaporator. Because secondary containment systems are the final barrier for preventing the release of dangerous waste into the environment, modifications ECNs that affect the secondary containment systems will be submitted to the Washington State Department of Ecology, as a Class 1, 2, or 3 permit modification, as required by WAC 173-303-830.

Table 4.3. Drawings of 242-A Evaporator Secondary Containment Systems.

System	Drawing Number	Drawing Title
242-A Building	H-2-69277 Sheet 1	Structural Foundation Plan Sections & General Notes - Areas 1 & 2
	H-2-69278 Sheet 1	Structural Foundation Elevations & Details - Areas 1 & 2
	H-2-69279 Sheet 1	Structural First Floor Plan & AMU - Areas 1 & 2
Pump Room Sump Drainage	H-2-69352 Sheet 1	Sections Process Waste Drainage
242-A Building Drainage	H-2-69354 Sheet 1	Plan Process Waste Drainage
Pump Room Sump	H-2-69369 Sheet 1	Pump Room Sump Assembly & Details

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

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

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

A. General Permit Provisions

1. Administrative and informational changes

Submitted by Co-Operator: <i>J. A. VanVliet</i> 12/12/10	Reviewed by RI Program Office: <i>G. H. Sanders</i> 12/18/02	Reviewed by Ecology: <i>F. C. Jamison</i> 01/24/03	Reviewed by Ecology:
J. A. VanVliet Date	G. H. Sanders Date	F. C. Jamison Date	L. E. Ruud Date

¹Class 1 modifications requiring prior Agency approval.

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

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

Hanford Facility RCRA Permit Modification Notification Forms
Part III, Chapter 4 and Attachment 34
Liquid Effluent Retention Facility and 200 Area Effluent Treatment Facility

Quarter Ending December 31, 2002

Page 1 of 4

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Page 3 of 4: Chapter 4.0, Section 4.7.1
Page 4 of 4: Chapter 4.0, Section 4.7.2

Hanford Facility RCRA Permit Modification Notification Form

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

Description of Modification:

Chapter 4.0: Delete Appendix 4A and add the text below in Chapter 4.0, Section 4.7 as modified.

4.7 ENGINEERING DRAWINGS

4.7.1 Liquid Effluent Retention Facility

Drawings of the containment systems at the LERF are summarized in Table 4.1. Because the failure of these containment systems at LERF could lead to the release of dangerous waste into the environment, ~~modifications~~ ~~Engineering Change Notices (ECNs)~~ ~~which~~ ~~that~~ affect these containment systems will be submitted to the Washington State Department of Ecology, as a Class 1, 2, or 3 permit modification, as required by WAC 173-303-830.

Table 4.1. Liquid Effluent Retention Facility Containment System.

LERF System	Drawing Number	Drawing Title
Bottom Liner	H-2-79590, Sheet 1	Civil Plan, Sections and Details; Cell Basin Bottom Liner
Top Liner	H-2-79591, Sheet 1	Civil Plan, Sections and Details; Cell Basin Bottom Liner
Catch Basin	H-2-79593, Sheet 1	Civil Plan, Section and Details; Catch Basin

The drawings identified in Table 4.2 illustrate the piping and instrumentation configuration within LERF, and of the transfer piping systems between the LERF and the 242-A Evaporator. These drawings are provided for general information and to demonstrate the adequacy of the design of the LERF as a surface impoundment. ~~An update to these drawings and drawings identified in Table 4.1 will be provided annually to the Washington State Department of Ecology.~~

Table 4.2. Liquid Effluent Retention Facility Piping and Instrumentation

LERF System	Drawing Number	Drawing Title
Transfer Piping to 242-A Evaporator	H-2-79604, Sheet 1	Piping Plot and Key Plans; 242-A Evaporator Condensate Stream
LERF Piping and Instrumentation	H-2-88766, Sheet 1	P&ID; LERF Basin and ETF Influent
LERF Piping and Instrumentation	H-2-88766, Sheet 2	P&ID; LERF Basin and ETF Influent
LERF Piping and Instrumentation	H-2-88766, Sheet 3	P&ID; LERF Basin and ETF Influent
LERF Piping and Instrumentation	H-2-88766, Sheet 4	P&ID; LERF Basin and ETF Influent
	H-2-89351, Sheet 1	Piping & Instrumentation Diagram - Legend

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

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

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

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

Submitted by Co-Operator: <i>J.A. Van Vliet</i>	Reviewed by RL Program Office: <i>G.H. Sanders</i>	Reviewed by Ecology: <i>F. Jamison</i>	Reviewed by Ecology: <i>L.E. Ruud</i>
J. A. Van Vliet	G. H. Sanders	F. Jamison	L.E. Ruud
Date	Date	Date	Date

¹ Class 1 modifications requiring prior Agency approval.

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

Hanford Facility RCRA Permit Modification Notification Form

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

Description of Modification:

Chapter 4.0: Delete Appendix 4B and add the text below in Chapter 4.0, Section 4.7.2 as modified.

4.7.2 200 Area Effluent Treatment Facility

Drawings of the secondary containment systems for the ETF containers, and tanks and process units, and for the Load-In Tanks are summarized in Table 4.3. Because the failure of the secondary containment systems could lead to the release of dangerous waste into the environment, ~~modifications~~ ~~Engineering Change Notices (ECNs)~~ which affect the secondary containment systems will be submitted to the Washington State Department of Ecology, as a Class 1, 2, or 3 permit modification, as required by WAC 173-303-830.

Table 4.3. Effluent Treatment Facility and Load-In Station Secondary Containment Systems

ETF Process Unit	Drawing Number	Drawing Title
Surge Tank, Process/ Container Storage Areas and Trenches - Foundation and Containment	H-2-89063, Sheet 1	Architectural/structural - Foundation and Grade Beam Plan
Sump Tank Containment	H-2-89065, Sheet 1	Architectural/structural - Foundation, Sections and Detail
Verification Tank Foundation and Containment	H-2-89068, Sheet 1	Architectural/structural - Verification Tank Foundation
Load-In Facility Foundation and Containment	H-2-817970, Sheet 1	Structural - ETF Truck Load-in Facility Plans and Sections
Load-In Facility Foundation and Containment	H-2-817970, Sheet 2	Structural - ETF Truck Load-in Facility Sections and Details

The drawings identified in Table 4.4 provide an illustration of the piping and instrumentation configuration for the major process units and tanks at the ETF, and the Load-In Tanks. Drawings of the transfer piping systems between the LERF and ETF, and between the Load-In Station and the ETF also are presented in this table. These drawings are provided for general information and to demonstrate the adequacy of the design of the tank systems. ~~An update to these drawings and drawings identified in Table 4.3 will be provided annually to the Washington State Department of Ecology.~~

Table 4.4. Major Process Units and Tanks at the Effluent Treatment Facility and Load-In Station

ETF Process Unit	Drawing Number	Drawing Title
Load-In Facility	H-2-817974, Sheet 1	P&ID - ETF Truck Load-In Facility
Load-In Facility	H-2-817974, Sheet 2	P&ID - ETF Truck Load-In Facility
Surge Tank	H-2-89337, Sheet 1	P&ID - Surge Tank System
UV/Oxidation	H-2-88976, Sheet 1	P&ID - UV Oxidizer Part 1
UV/Oxidation	H-2-89342, Sheet 1	P&ID - UV Oxidizer Part 2
Reverse Osmosis	H-2-88980, Sheet 1	P&ID - 1st RO Stage
Reverse Osmosis	H-2-88982, Sheet 1	P&ID - 2nd RO Stage
IX/Polishers	H-2-88983, Sheet 1	P&ID - Polisher
Verification Tanks	H-2-88985, Sheet 1	P&ID - Verification Tank System
ETF Evaporator	H-2-89335, Sheet 1	P&ID - Evaporator
Thin Film Dryer	H-2-88989, Sheet 1	P&ID - Thin Film Dryer
Transfer Piping from LERF to ETF	H-2-88768, Sheet 1	Piping Plan/Profile 4"- 60M-002-M17 and 3"-60M-001-M17
Transfer Piping from Load-In Facility to ETF	H-2-817969, Sheet 1	Civil - ETF Truck Load-In Facility Site Plan

Modification Class: ¹²³

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

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

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

A. General Permit Provisions

1. Administrative and informational changes.

Submitted by Co-Operator: <i>J.A. Van Vliet</i>	Reviewed by RL Program Office: <i>G.H. Sanders</i>	Reviewed by Ecology: <i>F. Jamison</i>	Reviewed by Ecology: <i>L.E. Ruud</i>
Date	Date	Date	Date

¹ Class 1 modifications requiring prior Agency approval.

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

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

Hanford Facility RCRA Permit Modification Notification Forms

**1324-NA Percolation Pond
Part V, Chapter 19, Attachment 42**

Quarter Ending December 31, 2002

Page 1 of 4

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- Page 2 of 4: Hanford Facility RCRA Permit, V.19.A
- Page 3 of 4: Appendix B, Section B3.2.2
- Page 4 of 4: Appendix B, Section B3.2.3

Hanford Facility RCRA Permit Modification Notification Form

Unit: 1324-NA Percolation Pond	Permit Part & Chapter: Part V, Chapter 19, Attachment 42
--	--

Description of Modification:

Hanford Facility RCRA Permit V.19.:

V.19.A. COMPLIANCE WITH APPROVED MODIFIED CLOSURE PLAN

The Permittees shall comply with all requirements set forth in the 1324-NA Closure Plan found in Attachment 42 (DOE/RL-96-39, Appendix B), including the Amendments specified in Condition V.19.B. Enforceable portions of the Plan are listed below; all subsections, figures, and tables included in these portions are also enforceable, unless stated otherwise:

Part A, Form 3, Permit Application, Revision 3, June 30, 1994

- Section B1.0 Introduction, from Class 1 Modifications for quarter ending ~~September 30, 2001~~ December 31, 2002
- Section B2.1 General Description of Unit, from Class 1 Modifications for quarter ending ~~September 30, 2001~~ December 31, 2002
- Section B3.0 Ground Water Monitoring, from Class 1 Modifications for quarter ending ~~September 30, 2001~~ December 31, 2002
- Section B4.0 Closure, from Class 1 Modifications for quarter ending ~~September 30, 2001~~ December 31, 2002
- Section B5.0 Post-Closure Plan, from Class 1 Modifications for quarter ending ~~September 30, 2001~~ December 31, 2002

V.19.B. AMENDMENTS TO THE APPROVED MODIFIED CLOSURE PLAN

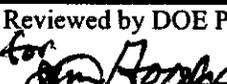
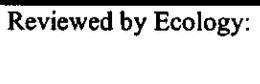
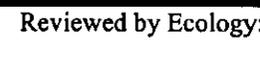
V.19.B.1a. (Reserved)

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

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

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

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

Submitted by Co-Operator:  T. E. Logan	Reviewed by DOE Program Office:  M. S. McCormick	Reviewed by Ecology:  J. B. Price	Reviewed by Ecology:  L. E. Ruud
12/18/02 Date	12/19/02 Date	Date	Date

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

Hanford Facility RCRA Permit Modification Notification Form

Unit: 1324-NA Percolation Pond	Permit Part & Chapter: Part V, Chapter 19, Attachment 42
--	--

Description of Modification:

Appendix B, Section B3.2.2:

B3.2.2 Sampling and Analysis Plan

The *Groundwater Monitoring Plan for the 1301-N, 1324-N/NA, and 1325-N Sites RCRA Facilities* (Hartman 1996b/2002) describes the ~~interim~~ final status sampling and analysis plan for RCRA monitoring. Groundwater is analyzed for the constituents listed in Table B.6. Indicator parameters are analyzed semiannually; additional parameters are analyzed annually.

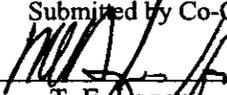
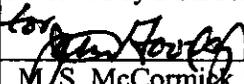
Groundwater sampling procedures, sample collection documentation, and chain-of-custody, and quality assurance requirements are described in ~~Environmental Investigation Instructions (EII) (WHC CM 7-7), The Environmental Activities Procedural Manual (WHC CM 7-8), and in the Quality Assurance Project Plan for Groundwater Monitoring Activities Managed by Westinghouse Hanford Company (WHC 1995)~~ the Groundwater Monitoring Plan for the 1301-N, 1324-N/NA, and 1325-N RCRA Facilities (Hartman 2002). Work by other contractors is conducted to their equivalent approved standard operating procedures. Procedures for field measurements (pH, conductivity, turbidity) are specified in ~~WHC CM 7-8 and in the user's manuals for the meters used.~~ Analytical methods are selected from those provided in *Test Methods for Evaluating Solid Wastes* (EPA 1990) ~~as specified by WHC (1995) or its most recent revision.~~

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

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

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

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

Submitted by Co-Operator:  T. E. Logan	Reviewed by DOE Program Office:  M. S. McCormick	Reviewed by Ecology: J. B. Price	Reviewed by Ecology: L. E. Ruud
Date 12/18/02	Date 12/19/02	Date	Date

¹ Class 1 modifications requiring prior Agency approval.

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

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

Hanford Facility RCRA Permit Modification Notification Form

Unit: 1324-NA Percolation Pond	Permit Part & Chapter: Part V, Chapter 19, Attachment 42
--	--

Description of Modification:

Appendix B, Section B3.2.3:

~~B3.2.3 Quality Assurance and Quality Control~~

Quality assurance (QA) requirements are defined in the *Westinghouse Hanford Company Quality Assurance Manual (WHC CM 4-2)* or equivalent procedures, and Article 31 of the *Hanford Federal Facility Agreement and Consent Order (Ecology et al. 1994)*. Additional requirements for QA and QC are included in WHC (1995) or its most recent revision.

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

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

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

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

Submitted by Co-Operator: <i>T. E. Logan</i> T. E. Logan	Reviewed by DOE Program Office: <i>M. S. McCormick</i> M. S. McCormick	Reviewed by Ecology: J. B. Price	Reviewed by Ecology: L. E. Ruud
Date: <i>12/18/02</i>	Date: <i>12/11/02</i>	Date	Date

¹ Class 1 modifications requiring prior Agency approval.

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

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

**Hanford Facility RCRA Permit Modification Notification Forms
for
1324-N Surface Impoundment
Part V, Chapter 18, Attachment 42**

Quarter Ending December 31, 2002

Page 1 of 4

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Page 3 of 4: Appendix B, Section B3.2.2
Page 4 of 4: Appendix B, Section B3.2.3

Hanford Facility RCRA Permit Modification Notification Form

Unit:
1324-N Surface Impoundment

Permit Part & Chapter:
Part V, Chapter 18, Attachment 42

Description of Modification:

Hanford Facility RCRA Permit V.18.:

V.18.A. COMPLIANCE WITH APPROVED MODIFIED CLOSURE PLAN

The Permittees shall comply with all requirements set forth in the 1324-N Closure Plan found in Attachment 42 (DOE/RL-96-39, Appendix B), including the Amendments specified in Condition V.18.B. Enforceable portions of the Plan are listed below; all subsections, figures, and tables included in these portions are also enforceable, ~~unless stated otherwise:~~

Part A, Form 3, Permit Application, Revision 3, June 30, 1994

Section B1.0 Introduction, from Class 1 Modifications for quarter ending ~~September 30, 2001~~ December 31, 2002

Section B2.1 General Description of Unit, from Class 1 Modifications for quarter ending ~~September 30, 2001~~ December 31, 2002

Section B3.0 Ground Water Monitoring, from Class 1 Modifications for quarter ending ~~September 30, 2001~~ December 31, 2002

Section B4.0 Closure, from Class 1 Modifications for quarter ending ~~September 30, 2001~~ December 31, 2002

Section B5.0 Post-Closure Plan, from Class 1 Modifications for quarter ending ~~September 30, 2001~~ December 31, 2002

V.18.B. AMENDMENTS TO THE APPROVED MODIFIED CLOSURE PLAN

V.18.B.1a. (Reserved)

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

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

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

A. General Permit Provisions

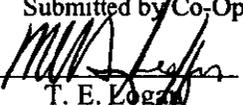
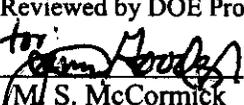
1. Administrative and Informational changes

Submitted by Co-Operator: <i>T. E. Logan</i> T. E. Logan	Reviewed by DOE Program Office: <i>M. S. McCormick</i> M. S. McCormick	Reviewed by Ecology: <i>J. B. Price</i> J. B. Price	Reviewed by Ecology: <i>L. E. Ruud</i> L. E. Ruud
<i>12/18/02</i> Date	<i>12/19/02</i> Date	Date	Date

¹ Class 1 modifications requiring prior Agency approval.

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

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

Hanford Facility RCRA Permit Modification Notification Form				
Unit: 1324-N Surface Impoundment	Permit Part & Chapter: Part V, Chapter 18, Attachment 42			
<p><u>Description of Modification:</u></p> <p>Appendix B, Section B3.2.2:</p> <p>B3.2.2 Sampling and Analysis Plan</p> <p>The <i>Groundwater Monitoring Plan for the 1301-N, 1324-N/NA, and 1325-N Sites RCRA Facilities</i> (Hartman 1996b/2002) describes the interim-final status sampling and analysis plan for RCRA monitoring. Groundwater is analyzed for the constituents listed in Table B.6. Indicator parameters are analyzed semiannually; additional parameters are analyzed annually.</p> <p>Groundwater sampling procedures, sample collection documentation, and chain-of-custody, and quality assurance requirements are described in Environmental Investigation Instructions (EII) (WHC CM 7-7), The Environmental Activities Procedural Manual (WHC CM 7-8), and in the Quality Assurance Project Plan for Groundwater Monitoring Activities Managed by Westinghouse Hanford Company (WHC 1995) the <i>Groundwater Monitoring Plan for the 1301-N, 1324-N/NA, and 1325-N RCRA Facilities (Hartman 2002)</i>. Work by other contractors is conducted to their equivalent approved standard operating procedures. Procedures for field measurements (pH, conductivity, turbidity) are specified in WHC CM 7-8 and in the user's manuals for the meters used. Analytical methods are selected from those provided in <i>Test Methods for Evaluating Solid Wastes</i> (EPA 1990) as specified by WHC (1995) or its most recent revision.</p>				
Modification Class: ¹²³	Class 1	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:	X			
Relevant WAC 173-303-830, Appendix I Modification: A.1				
<u>Enter wording of the modification from WAC 173-303-830, Appendix I citation:</u>				
A. General Permit Provisions				
1. Administrative and Informational changes				
Submitted by Co-Operator:	Reviewed by DOE Program Office:	Reviewed by Ecology:	Reviewed by Ecology:	
 T. E. Logan	 M. S. McCormick			
Date	Date	Date	Date	Date
12/18/02	12/19/02			

¹ Class 1 modifications requiring prior Agency approval.

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

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

Hanford Facility RCRA Permit Modification Notification Form

Unit: 1324-N Surface Impoundment	Permit Part & Chapter: Part V, Chapter 18, Attachment 42
--	--

Description of Modification:

Appendix B, Section B3.2.3:

~~B3.2.3 Quality Assurance and Quality Control~~

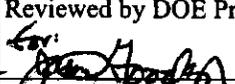
~~Quality assurance (QA) requirements are defined in the Westinghouse Hanford Company Quality Assurance Manual (WHC-CM-4-2) or equivalent procedures, and Article 31 of the Hanford Federal Facility Agreement and Consent Order (Ecology et al. 1994). Additional requirements for QA and QC are included in WHC (1995) or its most recent revision.~~

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

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

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

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

Submitted by Co-Operator:  T. E. Logan	Reviewed by DOE Program Office:  M. S. McCormick	Reviewed by Ecology: J. B. Price	Reviewed by Ecology: L. E. Ruud
Date	Date	Date	Date

¹ Class 1 modifications requiring prior Agency approval.

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

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

Hanford Facility RCRA Permit Modification Notification Forms

**1325-N Liquid Waste Disposal Facility
Part V, Chapter 16 Attachment 41**

Quarter Ending December 31, 2002

Page 1 of 4

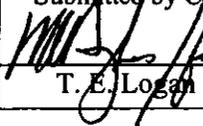
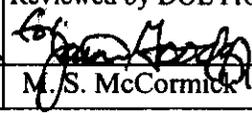
Index

Page 2 of 4: Hanford Facility RCRA Permit, V.16.

Page 3 of 4: Appendix A, Section A3.2.3

Page 4 of 4: Appendix A, Section A4.9

Hanford Facility RCRA Permit Modification Notification Form

Unit: 1325-N Liquid Waste Disposal Facility	Permit Part & Chapter: Part V, Chapter 16, Attachment 41								
<p><u>Description of Modification:</u></p> <p>Appendix A, Section A4.9:</p> <p>A4.9 CLOSURE SCHEDULE</p> <p>The closure schedule for 1301-N (116-N-1) and 1325-N (116-N-3) is presented in Figure A-4. Closure activities (actual cleanup) for 116-N-3 will begin in July 2000 and will continue for an approximate duration of 15 months.</p> <p>At the completion of 116-N-3, closure activities at 116-N-1 will begin. Approximately 600 feet (Figure A-4-1) of piping that is associated with the 116-N-1 TSD Waste Site and the 116-N-2 Facility and support facilities (1322-NA, NB, NC) will be deferred until decontamination and decommissioning (D&D) of these facilities. This deferral is due to safety concerns with remediating the piping and the radiological dose exposure to remedial action workers. Remediation will require excavation of the earthen berm at the 116-N-2 Facility, which provides radiological shielding.</p> <p>Additionally, approximately 5,600 feet (Figure A-4-2) of piping that is associated with 116-N-1, 105-N and 109-N Facilities (part of the N Reactor Facility Complex) will be deferred until D&D activities of the 105-N Reactor Facility Complex. This deferral is also due to safety concerns with remediating the piping. Remediation will require excavation up to foundation walls of these facilities, thus, jeopardizing the integrity of the facilities. The pipelines intersect and/or follow active underground power lines and potable water lines. Finally, remediation will block the access routes to the ongoing pump-and-treat operations at the 100-N Springs and other active facilities in the 100-N Area.</p> <p>The approximate duration of completion for both TSD units is 35 years, not including for the piping that will be deferred. The D&D of the 116-N-2 Facility and support facilities and removal of the deferred piping is planned for startup in the fiscal year 2004. The deferred piping associated with the 105-N and 109-N Facilities will not be remediated until as part of D&D of the 105-N Reactor Facility Complex in accordance with Tri-Party Agreement Milestone M-093-20. This date has not yet been established by the Tri Parties.</p> <p>The corrective action schedule of compliance for UPR-100-N-31 will be the same as the closure schedule.</p>									
Modification Class: ¹²³	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Class 1</td> <td style="width: 25%;">Class ¹1</td> <td style="width: 25%;">Class 2</td> <td style="width: 25%;">Class 3</td> </tr> <tr> <td></td> <td style="text-align: center;">X</td> <td></td> <td></td> </tr> </table>	Class 1	Class ¹ 1	Class 2	Class 3		X		
Class 1	Class ¹ 1	Class 2	Class 3						
	X								
Please check one of the Classes:									
Relevant WAC 173-303-830, Appendix I Modification: D.1.c.									
Enter wording of the modification from WAC 173-303-830, Appendix I citation:									
<p>D. Closure</p> <p>1. Changes to the closure plan</p> <p>c. Changes in the expected year of final closure where other permit conditions are not changed, with prior approval of the director</p>									
Submitted by Co-Operator:	Reviewed by DOE Program Office:	Reviewed by Ecology:	Reviewed by Ecology:						
 T. E. Logan	 M. S. McCormick								
Date	Date	Date	Date						

¹ Class 1 modifications requiring prior Agency approval.

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

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

Hanford Facility RCRA Permit Modification Notification Form

Unit: 1325-N Liquid Waste Disposal Facility	Permit Part & Chapter: Part V, Chapter 16, Attachment 41
---	--

Description of Modification:

Hanford Facility RCRA Permit V.16.A.:

V.16.A. COMPLIANCE WITH APPROVED MODIFIED CLOSURE PLAN

The Permittees shall comply with all requirements set forth in the 1325-N Closure Plan found in Attachment 41 (DOE/RL-96-39, Appendix A), including the Amendments specified in Condition V.16.B. Enforceable portions of the Plan are listed below; all subsections, figures, and tables included in these portions are also enforceable, unless stated otherwise:

Part A, Form 3, Permit Application, Revision 7, February 25, 1997

- Section A1.0 Introduction, from Class 1 Modifications for quarter ending ~~September 30, 2001~~ December 31, 2002
- Section A2.1 General Description of Unit, from Class 1 Modifications for quarter ending ~~September 30, 2001~~ December 31, 2002
- Section A3.0 Ground Water Monitoring, from Class 1 Modifications for quarter ending ~~September 30, 2001~~ December 31, 2002
- Section A4.0 Closure, from Class 1 Modifications for quarter ending ~~September 30, 2001~~ December 31, 2002
- Section A5.0 Post-closure Plan, from Class 1 Modifications for quarter ending ~~September 30, 2001~~ December 31, 2002

V.16.B. AMENDMENTS TO THE APPROVED MODIFIED CLOSURE PLAN

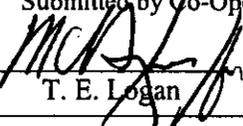
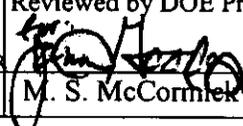
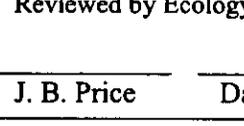
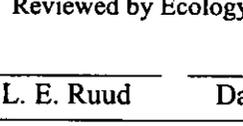
V.16.B.1a. (Reserved)

Modification Class: ¹²³	Class 1	Class ¹ 1	Class 2	Class 3
	X			

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

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

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

Submitted by Co-Operator:  T. E. Logan	Reviewed by DOE Program Office:  M. S. McCormick	Reviewed by Ecology:  J. B. Price	Reviewed by Ecology:  L. E. Ruud
Date: <u>12/19/02</u>	Date: <u>12/19/02</u>	Date: _____	Date: _____

¹ Class 1 modifications requiring prior Agency approval.

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

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

Hanford Facility RCRA Permit Modification Notification Form

Unit: 1325-N Liquid Waste Disposal Facility	Permit Part & Chapter: Part V, Chapter 16, Attachment 41
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Description of Modification:

Appendix A, Section A3.2.3:

A.3.2.3 Quality Assurance and Quality Control

Groundwater sampling procedures, sample collection documentation, chain-of-custody, and Quality assurance (QA) requirements are defined in the *Groundwater Monitoring Plan for the 1301-N, 1324-N/NA, and 1325-N RCRA Facilities, PNNL-13914 -Westinghouse Hanford Company Quality Assurance Manual (WHC CM 4 2)* and Article 31 of the *Hanford Federal Facility Agreement and Consent Order (Ecology et al, 1996)*. Additional requirements for QA and QC are included in the *Quality Assurance Project Plan for Groundwater Monitoring Activities Managed by Westinghouse Hanford Company (WHC 1995)* or its most recent revision.

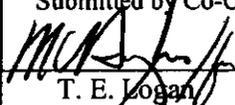
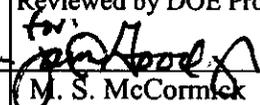
~~Groundwater sampling procedures, sample collection documentation, and chain of custody requirements are described in *Environmental Investigation and Site Characterization Manual (EI) (WHC CM 7 7)*, the *Environmental Activities Procedural Manual (WHC CM 7 8)*, and in the *Quality Assurance Project Plan for Groundwater Monitoring Activities Managed by Westinghouse Hanford Company (WHC 1995)*. Work by other contractors is conducted to their equivalent approved standard operating procedures. Procedures for field measurements (pH, conductivity, turbidity) are specified in *WHC CM 7 8* and in the user's manuals for the meters used. Analytical methods are selected from those provided in *Test Methods for Evaluating Solid Wastes, Laboratory and Field Manuals for Physical/Chemical Methods (EPA 1990)* as specified by *WHC (1995)* or its most recent revision.~~

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

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

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

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

Submitted by Co-Operator:	Reviewed by DOE Program Office:	Reviewed by Ecology:	Reviewed by Ecology:
 T. E. Logan	 M. S. McCormick	 J. B. Price	 L. E. Ruud
Date	Date	Date	Date

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Hanford Facility RCRA Permit Modification Notification Forms

**1301-N Liquid Waste Disposal Facility
Part V, Chapter 17, Attachment 41**

Quarter Ending December 31, 2002

Page 1 of 4

Index

- Page 2 of 4: Hanford Facility RCRA Permit V.17
- Page 3 of 4: Appendix A, Section A3.2.3
- Page 4 of 4: Appendix A, Section A4.9

Hanford Facility RCRA Permit Modification Notification Form

Unit: 1301-N Liquid Waste Disposal Facility	Permit Part & Chapter: Part V, Chapter 17, Attachment 41
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Description of Modification:

Appendix A, Section A4.9:

A4.9 CLOSURE SCHEDULE

~~The closure schedule for 1301-N (116-N-1) and 1325-N (116-N-3) is presented in Figure A-4. Closure activities (actual cleanup) for 116-N-3 will begin in July 2000 and will continue for an approximate duration of 15 months.~~

At the completion of 116-N-3, closure activities at 116-N-1 will begin. Approximately 600 feet (Figure A₂-4-1) of piping that is associated with the 116-N-1 TSD Waste Site and the 116-N-2 Facility and support facilities (1322-NA, NB, NC) will be deferred until decontamination and decommissioning (D&D) of these facilities. This deferral is due to safety concerns with remediating the piping and the radiological dose exposure to remedial action workers. Remediation will require excavation of the earthen berm at the 116-N-2 Facility, which provides radiological shielding.

Additionally, approximately 5,600 feet (Figure A₂-4-2) of piping that is associated with 116-N-1, 105-N and 109-N Facilities (part of the N Reactor Facility Complex) will be deferred until D&D activities of the 105-N Reactor Facility Complex. This deferral is also due to safety concerns with remediating the piping. Remediation will require excavation up to foundation walls of these facilities, thus, jeopardizing the integrity of the facilities. The pipelines intersect and/or follow active underground power lines and potable water lines. Finally, remediation will block the access routes to the ongoing pump-and-treat operations at the 100-N Springs and other active facilities in the 100-N Area.

The approximate duration of completion for both TSD units is ~~35~~ years, not including for the piping that will be deferred. The D&D of the 116-N-2 Facility and support facilities and removal of the deferred piping is planned for startup in the fiscal year 2004. The deferred piping associated with the 105-N and 109-N Facilities will ~~not~~ be remediated until as part of D&D of the 105-N Reactor Facility Complex in accordance with Tri-Party Agreement Milestone M-093-20. ~~This date has not yet been established by the Tri Parties.~~

The corrective action schedule of compliance for UPR-100-N-31 will be the same as the closure schedule.

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

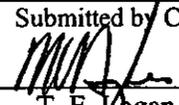
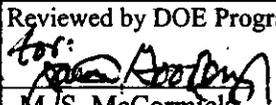
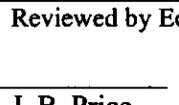
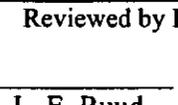
Relevant WAC 173-303-830, Appendix I Modification: D.1.c.

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

D. Closure

1. Changes to the closure plan

c. Changes in the expected year of final closure where other permit conditions are not changed, with prior approval of the director

Submitted by Co-Operator:  T. E. Logan	Reviewed by DOE Program Office:  M. S. McCormick	Reviewed by Ecology:  J. B. Price	Reviewed by Ecology:  L. E. Ruud
Date	Date	Date	Date

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Hanford Facility RCRA Permit Modification Notification Form

Unit:
1301-N Liquid Waste Disposal Facility

Permit Part & Chapter:
Part V, Chapter 17, Attachment 41

Description of Modification:

Hanford Facility RCRA Permit V.17.:

V.17.A COMPLIANCE WITH APPROVED MODIFIED CLOSURE PLAN

The Permittees shall comply with all requirements set forth in the 1325-N Closure Plan found in Attachment 41 (DOE/RL-96-39, Appendix A), including the Amendments specified in Condition V.16.B. Enforceable portions of the Plan are listed below; all subsections, figures, and tables included in these portions are also enforceable, unless stated otherwise:

Part A, Form 3, Permit Application, Revision 7, February 25, 1997

Section A1.0 Introduction, from Class 1 Modifications for quarter ending December 31, 2002
~~September 30, 2001~~

Section A2.1 General Description of Unit, from Class 1 Modifications for quarter ending December 31, 2002
~~September 30, 2001~~

Section A3.0 Ground Water Monitoring, from Class 1 Modifications for quarter ending December 31, 2002
~~September 30, 2001~~

Section A4.0 Closure, from Class 1 Modifications for quarter ending December 31, 2002
~~September 30, 2001~~

Section A5.0 Post-closure Plan, from Class 1 Modifications for quarter ending December 31, 2002
~~September 30, 2001~~

V.17.B. AMENDMENTS TO THE APPROVED MODIFIED CLOSURE PLAN

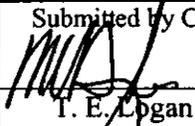
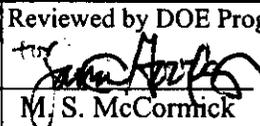
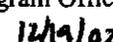
V.17.B.1a. (Reserved)

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

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

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

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

Submitted by Co-Operator:  T. E. Logan	Reviewed by DOE Program Office:  M. S. McCormick	Reviewed by Ecology: J. B. Price	Reviewed by Ecology: L. E. Ruud
 Date	 Date	Date	Date

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Hanford Facility RCRA Permit Modification Notification Form

Unit: 1301-N Liquid Waste Disposal Facility	Permit Part & Chapter: Part V, Chapter 17, Attachment 41
---	--

Description of Modification:

Appendix A, Section A3.2.3:

A.3.2.3 Quality Assurance and Quality Control

Groundwater sampling procedures, sample collection documentation, chain-of-custody, and Quality assurance (QA) requirements are defined in the *Groundwater Monitoring Plan for the 1301-N, 1324-N/NA, and 1325-N RCRA Facilities, PNNL-13914, Westinghouse Hanford Company Quality Assurance Manual (WHC CM 4-2)* and Article 31 of the *Hanford Federal Facility Agreement and Consent Order (Ecology et al. 1996)*. Additional requirements for QA and QC are included in the *Quality Assurance Project Plan for Groundwater Monitoring Activities Managed by Westinghouse Hanford Company (WHC 1995)* on its most recent revision.

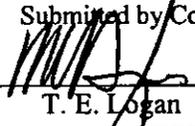
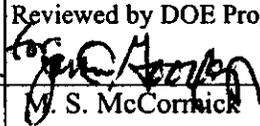
Groundwater sampling procedures, sample collection documentation, and chain-of-custody requirements are described in *Environmental Investigation and Site Characterization Manual (EI) (WHC CM 7-7)*, the *Environmental Activities Procedural Manual (WHC CM 7-8)*, and in the *Quality Assurance Project Plan for Groundwater Monitoring Activities Managed by Westinghouse Hanford Company (WHC 1995)*. Work by other contractors is conducted to their equivalent approved standard operating procedures. Procedures for field measurements (pH, conductivity, turbidity) are specified in *WHC CM 7-8* and in the user's manuals for the meters used. Analytical methods are selected from those provided in *Test Methods for Evaluating Solid Wastes, Laboratory and Field Manuals for Physical/Chemical Methods (EPA 1990)* as specified by *WHC (1995)* or its most recent revision.

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

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

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

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

Submitted by Co-Operator:  T. E. Logan	Reviewed by DOE Program Office:  M. S. McCormick	Reviewed by Ecology: J. B. Price	Reviewed by Ecology: L. E. Ruud
12/18/02 Date	12/19/02 Date	Date	Date

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