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STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

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

December 18, 2001

Joel Hebdon, Director
Regulatory Compliance and Analysis Division
P.O. Box 550, MSIN: A5-58
Richland, Washington 99352

RECEIVED
DEC 26 2001

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 September 30, 2001).

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:

305-B Storage Facility

Part III, Attachment 18, Condition III.2.A

Part III, Attachment 18, Chapter 8.0

Part III, Attachment 18, Appendix 8A

Attach 4, Hanford Emergency Manage Plan

Section 2.0, Subsection 2.2

Section 3.0, Table 3-1, Page 12 of 16

Section 3.0, Table 3-1, Page 13 of 16

Appendix A, Page 5 of 6

Appendix A, Page 6 of 6

General Facility Conditions

Part II, Condition II.B.5

PUREX Storage Tunnels

Part III, Attachment 28, Condition III.3.A

Part III, Attachment 28, Chapter 8.0

Part III, Attachment 28, Appendix 8A

242-A Evaporator

Part III, Attachment 35, Condition III.5.A

Mr. Joel Hebdon
December 18, 2001
Page 2

Part III, Attachment 35, Ch.2, Section 2.1.2.2
Part III, Attachment 35, Chapter 8.0
Part III, Attachment 35, Appendix 3A, Section 6.1.1
Part III, Attachment 35, Appendix 3A, Section 6.1.2

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

Part III, Attachment 34, Condition III.4.A
Part III, Attachment 34, Condition III.4.B.a
Part III, Attachment 34, Ch. 4.0, Section 4.4.4.2.2
Part III, Attachment 34, Ch. 4.0, Section 4.4.6
Part III, Attachment 34, Ch. 4.0, Section 4.5.5.6
Part III, Attachment 34, Ch. 8.0

325 Hazardous Waste Treatment Units

Part III, Attachment 36, Condition III.6.A
Part III, Attachment 36, Chapter 8.0
Part III, Attachment 36, Appendix 8A

1324-N Surface Impoundment

Part V, Attachment 42, V.18.A
Part V, Attachment 42, Appendix B, Section B2.1.10
Part V, Attachment 42, Appendix B, Section B4.1
Part V, Attachment 42, Appendix B, Section B4.6
Part V, Attachment 42, Appendix B, Section B6.0
Part V, Attachment 42, Appendix B, Attachment B-5
Part V, Attachment 42, Appendix B, Attachment B-5
Part V, Attachment 42, Appendix B, Attachment B-5
Part V, Attachment 42, Appendix B, Attachment B-5-1
Part V, Attachment 42, Appendix B, Attachment B-5-1

1324-NA Percolation Pond

Part V, Attachment 42, V.18.A
Part V, Attachment 42, Appendix B, Section B2.1.10
Part V, Attachment 42, Appendix B, Section B4.1
Part V, Attachment 42, Appendix B, Section B4.6
Part V, Attachment 42, Appendix B, Section B.6.0
Part V, Attachment 42, Appendix B, Section B-5
Part V, Attachment 42, Appendix B, Section B-5

Mr. Joel Hebdon
December 18, 2001
Page 3

Part V, Attachment 42, Appendix B, Section B-5

Part V, Attachment 42, Appendix B, Section B-5

Part V, Attachment 42, Appendix B, Section B-5-1

Part V, Attachment 42, Appendix B, Section B-5-1

1301-N Liquid Waste Disposal Facility

Part V, Attachment 41, V.17.A.

Part V, Attachment 41, Appendix A, Section A.1.1

Part V, Attachment 41, Appendix A, Section A.1.2

Part V, Attachment 41, Appendix A, Section A.2.1.10

Part V, Attachment 41, Appendix A, Section A.4.1

Part V, Attachment 41, Appendix A, Section A.4.3.1

Part V, Attachment 41, Appendix A, Section A.4.3.2

Part V, Attachment 41, Appendix A, Section A.6.0

Part V, Attachment 41, Appendix A, Attachment A-4

Part V, Attachment 41, Appendix A, Attachment A-4

Part V, Attachment 41, Appendix A, Attachment A-4

Part V, Attachment 41, Appendix A, Attachment A-4-1

1325-N Liquid Waste Disposal Facility

Part V, Attachment 41, V.16.A

Part V, Attachment 41, Appendix A, Section A.1.1

Part V, Attachment 41, Appendix A, Section A.1.2

Part V, Attachment 41, Appendix A, Section A.2.1.10

Part V, Attachment 41, Appendix A, Section A.4.1

Part V, Attachment 41, Appendix A, Section A.4.3.1

Part V, Attachment 41, Appendix A, Section A.4.3.2

Part V, Attachment 41, Appendix A, Section A.6.0

Part V, Attachment 41, Appendix A, Attachment A-4

Part V, Attachment 41, Appendix A, Attachment A-4

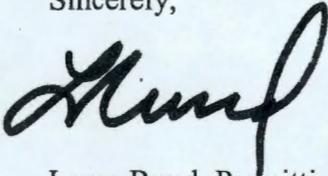
Part V, Attachment 41, Appendix A, Attachment A-4

Part V, Attachment 41, Appendix A, Attachment A-4-1

Again, United States Department of Energy and contractor staff are encouraged to discuss proposed Class 1 changes with Ecology's Unit Managers to clarify any questions 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.

Mr. Joel Hebdon
December 18, 2001
Page 4

Sincerely,



Laura Ruud, Permitting Specialist
Nuclear Waste Program

LR: JV:nc
Enclosures

cc w/enclosure: Ellen Mattlin, USDOE
Suzette Thompson, FH
Alice Ikenberry, PNNL
Roger J. Landon, BHI
Rick Gay, CTUIR
Pat Sobotta, NPT
Donna Powaukee, NPT
Russell Jim, YIN
Administrative Record, H6-08
HF Operating Record, G1-27
Environmental Portal, LMSI

cc w/o enclosure: Doug R. Sherwood, EPA
Richard H. Gurske, FH
Roby Enge, PNNL
Thomas E. Logan, BH

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

Page 1 of 4

Index

Page 2 of 4: Hanford Facility RCRA Permit, Condition III.2.A
Page 3 of 4: Chapter 8.0
Page 4 of 4: Appendix 8A

Hanford Facility RCRA Permit Modification Notification Form

Unit:
305-B Storage Facility

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

Description of Modification:

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

III.2.A. COMPLIANCE WITH APPROVED PERMIT APPLICATION

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

- Part A, Form 3, Permit Application, Revision 1 and from Class 1 Modification for quarter ending June 30, 1998
- Section 2.1.2 The 305-B Storage Unit, from Class 1 Modification for quarter ending June 30, 1999
- Section 2.2.1 General Requirement, from Class 1 Modification for quarter ending June 30, 1999
- Section 2.5 Performance Standard, from Class 1 Modification for quarter ending June 30, 1999
- Section 2.6 Buffer Monitoring Zones, from Class 1 Modification for quarter ending June 30, 1999
- Section 2.8 Manifest System, from Class 1 Modification for quarter ending June 30, 1999
- Chapter 3.0 Waste Characteristics, from Class 1 Modification for quarter ending September 30, 2000
- Chapter 4.0 Process Information, from Class 1 Modification for quarter ending March 31, 2000
- Chapter 6.0 Procedures to Prevent Hazards, from Class 1 Modification for quarter ending December 31, 1999
- Chapter 7.0 Contingency Plan, from Class 1 Modification for quarter ending June 30, 2000
- Appendix 7A Building Emergency Plan for the 305-B Storage Facility, from Class 1 Modification for quarter ending June 30, 2000
- Chapter 8.0 Personnel Training, from Class 1 Modification for quarter ending September 30, 2000¹
- Chapter 11.0 Closure and Post-Closure Requirements, from Class 1 Modification for quarter ending September 30, 2000
- Chapter 12.0 Reporting and Recordkeeping, from Class 1 Modification for quarter ending June 30, 1999
- Section 13.8 Toxic Substances Control Act, from Class 1 Modification for quarter ending September 30, 2000
- Section 13.9 Other Requirements, from Class 1 Modification for quarter ending September 30, 2000
- Appendix 2A Hanford Site and 300-Area Topographic Maps, Plates 2-2 Through 2-9

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> A.K. Ikenberry Date: 9-17-01	Reviewed by RL Program Office: <i>R.F. Christensen</i> R.F. Christensen Date: 10/2/01	Reviewed by Ecology: <i>F. Jamison</i> F. Jamison Date: 12/28/01	Reviewed by Ecology: <i>L.E. Ruud</i> L.E. Ruud Date: 12/28/01
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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 ¹, if appropriate.

Hanford Facility RCRA Permit Modification Notification Form

Unit:
305-B Storage Facility

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

Description of Modification:

Chapter 8.0:

Remove Chapter 8 and replace with the attached Chapter 8.

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

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

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

A. General Permit Provisions

1. Administrative and Informational changes

Submitted by Co-Operator:	Reviewed by RL Program Office:	Reviewed by Ecology:	Reviewed by Ecology:
<i>A.K. Ikenberry</i> 9-17-01	<i>R.F. Christensen</i> 10/2/01	<i>F. Jamison</i> 12/6/01	<i>L.E. Ruud</i> 12/6/01
A.K. Ikenberry Date	R.F. Christensen Date	F. 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: 305-B Storage Facility	Permit Part & Chapter: Part III, Chapter 2 and Attachment 18
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Description of Modification:

Appendix 8A:

Remove Appendix 8A.

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

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

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

A. General Permit Provisions

1. Administrative and Informational changes

Submitted by Co-Operator:	Reviewed by RL Program Office:	Reviewed by Ecology:	Reviewed by Ecology:
<i>A.K. Ikenberry</i> 9/7/01	<i>R.F. Christensen</i> 10/2/01	<i>F. Jamison</i> 11/20/01	<i>L.E. Ruud</i> 12/6/01
A.K. Ikenberry Date	R.F. Christensen Date	F. 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

List of Attachments

Attachment 4, Hanford Emergency Management Plan

Page 1 of 6

Index

Page 2 of 5: Section 2.0, Subsection 2.2
Page 3 of 6: Section 3.0, Table 3-1, Page 12 of 16
Page 4 of 6: Section 3.0, Table 3-1, Page 13 of 16
Page 5 of 6: Appendix A, Page 5 of 6
Page 6 of 6: Appendix A, Page 6 of 6:

Hanford Facility RCRA Permit Modification Notification Form

Unit:
Hanford Emergency Management Plan

Permit Part & Chapter:
List of Attachments, Attachment 4

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 predesignated 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 the RCRA contingency plan implementation requirements have been met, 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: <i>G. B. Griffin</i> G. B. Griffin Date	Reviewed by RL Program Office: <i>G. S. Loiacono</i> G. S. Loiacono Date	Reviewed by Ecology: <i>S. Moore</i> S. Moore Date	Reviewed by Ecology: <i>L.E. Ruud</i> L.E. Ruud Date
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¹ Class 1 modifications requiring prior Agency approval.

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

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

Hanford Facility RCRA Permit Modification Notification Form

Unit: <p style="text-align: center;">Hanford Emergency Management Plan</p>	Permit Part & Chapter: <p style="text-align: center;">List of Attachments, Attachment 4</p>
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Description of Modification:

Table 3-1, Page 12 of 16:

Table 3-1. Memorandums of Understanding

PARTIES	SERVICES/AREAS OF COOPERATION	POINTS OF CONTACT	CONSTRAINTS	DATE	EXPIRATION DATE	WHERE ON FILE
State of Washington	Document areas of cooperation between the parties in the planning for and response to emergencies at the Hanford Site.	Washington Emergency Management Division	None	01/03/01	01/03/01 Continue or until canceled by either party upon 30 after 60 days written notice to the other parties.	RL SES
State of Oregon	Document areas of cooperation between the state of Oregon and RL in the planning for and providing notification and interface in the event of an incident on the Hanford Site.	Oregon Department of Energy	None	06/21/00	Continue until canceled by either party by written notice to the other Amendments or modifications to this Agreement may be made upon written agreement by both parties to the Amendment.	RL SES
Benton County	Document areas of cooperation between the parties in the planning for and response to emergencies at the Hanford Site.	Benton County Emergency Management	None	03/16/00	Continue until canceled by either party by written notice to the other.	RL SES
Franklin County	Document areas of cooperation between the parties in the planning for and response to emergencies at the Hanford Site.	Franklin County Emergency Management	None	01/20/00	Continue until canceled by either party by written notice to the other.	RL SES
Grant County	Document areas of cooperation between the parties in the planning for and response to emergencies at the Hanford Site.	Grant County Emergency Management	None	05/25/00	Continue until canceled by either party by written notice to the other.	RL SES
Energy Northwest	Document areas of cooperation between the parties in the planning for and response to emergencies at the Hanford Site.	Energy Northwest Emergency Preparedness	The specific areas of assistance will be provided based upon availability, and are limited to those emergency actions necessary to protect onsite personnel, the public health and safety, and the environment in the event of a major emergency at the Hanford Site or Energy Northwest.	09/07/00	Continue until canceled by either of the parties upon 30 days written notice to the other party.	RL SES
Energy Northwest and HEHF	Treatment of a significantly contaminated and injured person.	Energy Northwest Emergency Preparedness and HEHF	None	09/08/00	Continue until canceled by one or more of the parties upon 30 days written notice to the other(s).	RL SES

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:	Reviewed by RL Program Office:	Reviewed by Ecology:	Reviewed by Ecology:
<i>G. B. Griffin</i> 8/21/01	<i>G. S. Loiacono</i> 8/21/01	<i>S. Moore</i> 11-28-01	<i>L.E. Ruud</i> 12/6/01
G. B. Griffin	G. S. Loiacono	S. 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

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

Table 3-1, Page 13 of 16:

Table 3-1. Memorandums of Understanding

PARTIES	SERVICES/AREAS OF COOPERATION	POINTS OF CONTACT	CONSTRAINTS	DATE	EXPIRATION DATE	WHERE ON FILE
Framatome ANP (formerly Siemens Power Corporation (SPC))	Establishes means by which RL can provide consequence assessment and meteorological information to SPC Framatome ANP during an emergency at the SPC Framatome ANP plant in Richland, Washington	SPC Framatome ANP	Emergencies affecting the Hanford Site or Hanford facilities takes precedence over all other uses of the UDAC facilities and/or staff.	01/19/00	Remain in effect for five years from effective date, at which time it shall be reviewed and renegotiated, reissued, or terminated. Either party may withdraw upon 30 days written notice.	RL SES
Framatome ANP (formerly Siemens Power Corporation (SPC)) and HEHF	Treatment of a significantly contaminated and slightly injured person.	SPC Framatome ANP and HEHF	SPC Framatome ANP agrees to undertake all costs and expenses incurred that directly result from this agreement.	01/03/00	Continue until canceled by one or more of the parties by written notice to the other(s).	RL SES
Allied Technology Group, Inc. (ATG) and HEHF	Treatment of a significantly contaminated and slightly injured person.	ATG and HEHF	ATG agrees to undertake all costs and expenses incurred that directly result from this agreement.	12/22/99	Continue until canceled by one or more of the parties by written notice to the other(s).	RL SES
National Weather Service	Sharing Meteorological Information.	NWS Western Regional Headquarters.	None	10/05/94	Agreement may be terminated by either party upon thirty days written notice to the other party.	RL SES
Our Lady of Lourdes Hospital (OLOL) Pasco, Washington	Significantly injured, contaminated persons will be admitted to facility for appropriate medical care.	OLOL Administrator	The responsibilities of OLOL will be limited to activities performed at the hospital.	08/17/98	Arrangements may be terminated by OLOL or by RL upon written notice to the other, which notice shall not become effective for at least 30 days after the date thereof.	RL SES
Kadlec Medical Center (KMC) Richland, Washington	Significantly injured, contaminated persons will be admitted to facility for appropriate medical care.	KMC Administrator	KMC will be limited to activities performed at the hospital and at the Emergency Decontamination Facility.	08/17/98	Arrangements may be terminated by KMC or by RL upon written notice to the other, which notice shall not become effective for at least 30 days after the date thereof.	RL SES
Kennewick General Hospital (KGH) Kennewick, Washington	Significantly injured, contaminated persons will be admitted to facility for appropriate medical care.	KGH Administrator	KGH will be limited to activities performed at the hospital.	08/17/98	Arrangements may be terminated by KGH or by RL upon written notice to the other, which notice shall not become effective for at least 30 days after the date thereof.	RL SES

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: G. B. Griffin	Reviewed by RL Program Office: G. S. Loiacono	Reviewed by Ecology: S. Moore	Reviewed by Ecology: L.E. Ruud
8/21/01 Date	8/21/01 Date	11-28-01 Date	12/6/01 Date

¹ Class 1 modifications requiring prior Agency approval.

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

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

Hanford Facility RCRA Permit Modification Notification Form

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

Appendix A, Page 5 of 6:

Documentation Crosswalk Matrix

REQUIREMENT SOURCE	REQUIREMENT DESCRIPTION	HOW DOES REQUIREMENT APPLY TO HANFORD?	WHERE IS REQUIREMENT MET IN DOCUMENTATION?
WAC 173-303-360(2)(b) (Permit requirement)	Emergency procedures. (b) Whenever there is a release, fire, or explosion, the emergency coordinator must immediately identify the character, exact source, amount, and areal extent of any released materials.	Hanford Incident Command System and staff with supporting on-call personnel.	Site-level: DOE/RL-94-02, sections 2.2.1.1.2(f) and 2.2.1.1.3(g).
WAC 173-303-360(2)(c) (Permit requirement)	Emergency procedures. (c) Concurrently, the emergency coordinator shall assess possible hazards to human health and the environment (considering direct, indirect, immediate, and long-term effects) that may result from the release, fire, or explosion.	Hanford Incident Command System and staff with supporting on-call personnel.	Site-level: DOE/RL-94-02, section 4.2.
WAC 173-303-360(2)(d) (Permit requirement)	Emergency procedures. (d) If the emergency coordinator determines that the facility has had a release, fire, or explosion which could threaten human health or the environment, he must report his findings as follows: (i) If his assessment indicates that evacuation of local areas may be advisable, he must immediately notify appropriate local authorities. He must be available to help appropriate officials decide whether local areas should be evacuated; and (ii) He must immediately notify the department and either the government official designated as the on-scene coordinator, or the National Response Center (using their 24-hour toll free number (800) 424-8802).	Hanford Incident Command System and staff with supporting on-call personnel. ONC personnel notify local authorities if evacuation is advisable on behalf of the Hanford Incident Command Structure. Site contractor environmental single point-of-contact personnel perform the assessment report notification to Ecology (Kennewiele) and RL (the on-scene coordinator on behalf of the Hanford Incident Command Structure. NRC is not called.	Site-level: DOE/RL-94-02, sections 2.2.1.1.2(a) & (d), 2.2.1.1.3(a) & (e), 5.1.1, 5.1.1.2, 5.1.2, and 5.1.2.1.
WAC 173-303-360(2)(e) (Permit requirement)	Emergency procedures. (e) His assessment report must include: (i) Name and telephone number of reporter; (ii) Name and address of facility; (iii) Time and type of incident (e.g., release, fire); (iv) Name and quantity of material(s) involved, to the extent known; (v) The extent of injuries, if any; and (vi) The possible hazards to human health or the environment outside the facility.	Site contractor environmental single point-of-contact personnel perform the assessment report notification to Ecology (Kennewiele) and RL after obtaining it from location-specific personnel.	Site-level: DOE/RL-94-02, sections 2.2.1.1.2(d), 2.2.1.1.3(e), 5.1.1, 5.1.1.2, and 5.1.2.1.
WAC 173-303-360(2)(f) (Permit requirement)	Emergency procedures. (f) During an emergency, the emergency coordinator must take all reasonable measures necessary to ensure that fires, explosions, and releases do not occur, recur, or spread to other dangerous waste at the facility. These measures must include, where applicable, stopping processes and operations, collecting and containing released waste, and removing or isolating containers.	Hanford Incident Command System and staff with supporting on-call personnel.	Site-level: DOE/RL-94-02, sections 2.2.1.1.2(f) and 2.2.1.1.3(g).
WAC 173-303-360(2)(g) (Permit requirement)	Emergency procedures. (g) If the facility stops operations in response to a fire, explosion, or release, the emergency coordinator must monitor for leaks, pressure buildup, gas generation, or ruptures in valves, pipes, or other equipment, wherever this is appropriate.	Hanford Incident Command System and staff with supporting on-call personnel.	Site-level: DOE/RL-94-02, sections 2.2.1.1.2(f) and 2.2.1.1.3(g).
WAC 173-303-360(2)(h) (Permit requirement)	Emergency procedures. (h) Immediately after an emergency, the emergency coordinator must provide for treating, storing, or disposing of recovered waste, contaminated soil or surface water, or any other material that results from a release, fire, or explosion at the facility.	Onsite Recovery Manager Director with supporting on-call personnel.	Site-level: DOE/RL-94-02, section 9.2.3.

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

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

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

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

Submitted by Co-Operator: <i>G.B. Griffin</i>	Reviewed by RL Program Office: <i>G.S. Loiacono</i>	Reviewed by Ecology: <i>S. Moore</i>	Reviewed by Ecology: <i>L.E. Ruud</i>
Date	Date	Date	Date
8/21/01	9/25/01	12/16/01	12/16/01

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.

11-2501

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:

Appendix A, Page 6 of 6:

Documentation Crosswalk Matrix

REQUIREMENT SOURCE	REQUIREMENT DESCRIPTION	HOW DOES REQUIREMENT APPLY TO HANFORD?	WHERE IS REQUIREMENT MET IN OCUMENTATION?
WAC 173-303-360(2)(i) (Permit requirement)	Emergency procedures. (i) The emergency coordinator must ensure that, in the affected area(s) of the facility: (i) No waste that may be incompatible with the released material is treated, stored, or disposed of until cleanup procedures are completed; and (ii) All emergency equipment listed in the contingency plan is cleaned and fit for its intended use before operations are resumed.	Onsite Recovery Manager Director with supporting on-call personnel.	Site-level: (i) DOE/RL-94-02, section 9.2.3. Site-level: (ii) DOE/RL-94-02, section 11.2.
WAC 173-303-360(2)(j) (Permit requirement)	Emergency procedures. (j) The owner or operator must notify the department, and appropriate local authorities, that the facility is in compliance with (i) of this subsection before operations are resumed in the affected area(s) of the facility.	Site contractor environmental single point-of-contact personnel perform this notification, when applicable, on behalf of the Onsite Recovery Manager Director .	Site-level: DOE/RL-94-02, section 5.1.2.3.
WAC 173-303-360(2)(k) (Permit requirement)	Emergency procedures. (k) The owner or operator must note in the operating record the time, date, and details of any incident that requires implementing the contingency plan. Within fifteen days after the incident, he must submit a written report on the incident to the department. The report must include: (i) Name, address, and telephone number of the owner or operator; (ii) Name, address, and telephone number of the facility; (iii) Date, time, and type of incident (e.g., fire, explosion); (iv) Name and quantity of material(s) involved; (v) The extent of injuries, if any; (vi) An assessment of actual or potential hazards to human health or the environment, where this is applicable; (vii) Estimated quantity and disposition of recovered material that resulted from the incident; (viii) Cause of incident; and (ix) Description of corrective action taken to prevent reoccurrence of the incident.	Site contractor management through RL ensures the note in the operating record is performed and prepares the 15-day report to Ecology.	Site-level: DOE/RL-94-02, section 5.1.2.2.
40 CFR 761.65(c)(1)(iv) and (c)(7)(ii) SPCC Plans for PCBs	Temporary Storage Areas (less than 30-days). (c)(1)(iv): PCB containers containing liquid PCBs at concentrations of ≥ 50 ppm, provided a Spill Prevention, Control and Countermeasure Plan has been prepared for the temporary storage area in accordance with part 112 of this chapter and the liquid PCB waste is in packaging authorized in the DOT Hazardous Materials Regulations at 49 CFR parts 171 through 180 or stationary bulk storage tanks (including rolling stock such as, but not limited to, tanker trucks, as specified by DOT). (c)(7)(ii): The owners or operators of any facility using containers described in paragraph (c)(7)(i) of this section, shall prepare and implement a Spill Prevention Control and Countermeasure (SPCC) Plan as described in Part 112 of this title. In complying with 40 CFR Part 112, the owner or operator shall read "oil(s)" as "PCB(s)" whenever it appears. The exemptions for storage capacity, 40 CFR 112.1(d)(2), and the amendment of SPCC plans by the Regional Administrator, 40 CFR 112.4, shall not apply unless some fraction of the liquids stored in the container are oils as defined by section 311 of the Clean Water Act.	When SPCC plans apply to Hanford Site activities, the information not covered in site-wide documentation must be addressed in location-specific documentation.	Site-level: DOE/RL-94-02, sections 1.1 (fourth paragraph), 1.2 (first bullet, sixth dash and second bullet, fourth dash), and 2.2.1.1.2 (first paragraph). Unit-level: appropriate location-specific documentation.

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:	Reviewed by RL Program Office:	Reviewed by Ecology:	Reviewed by Ecology:
<i>G. B. Griffin</i> G. B. Griffin	<i>G. S. Loiacono</i> G. S. Loiacono	<i>S. Moore</i> S. Moore	<i>L.E. Ruud</i> 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
Part II, General Facility Conditions

Page 1 of 2

Index

Page 2 of 2: Hanford Facility RCRA Permit Condition II.B.5

Hanford Facility RCRA Permit Modification Notification Form

Unit: Hanford Facility RCRA Permit	Permit Part & Chapter: Part II General Facility Conditions
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Description of Modification:

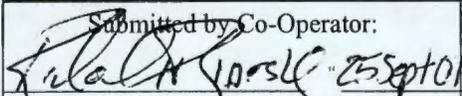
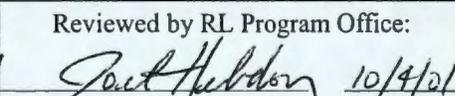
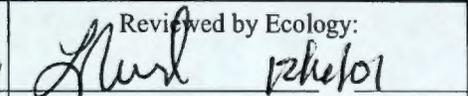
Hanford Facility RCRA Permit Condition II.B.5:

II.B.5 Based on applicable provisions of the Hanford Emergency Management Plan, as provided in Attachment 4, the Permittees shall comply with the requirements of WAC 173-303-350(4). To meet the intent of WAC 173-303-350(4)(b), the Permittees shall offer Hanford Facility contingency plan documentation to local agencies who have entered into a Memorandum of Understanding with USDOE as identified in Attachment 4, Table 3-1. The Permittees shall maintain a record of this process in the Hanford Facility Operating Record, General Information File, in accordance with WAC 173-303-340(5). The contingency plan documentation shall be offered by the Permittees on or before June 1 of odd numbered years.

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:  R. H. Gurske Date: 25 Sept 01	Reviewed by RL Program Office:  J. Hebdon Date: 10/4/01	Reviewed by Ecology:  L.E. Ruud Date: 12/6/01
--	--	---

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 3 and Attachment 28
PUREX Storage Tunnels**

Page 1 of 4

Index

Page 2 of 4: Hanford Facility RCRA Permit, Condition III.3.A
Page 3 of 4: Chapter 8.0
Page 4 of 4: Appendix 8A

Hanford Facility RCRA Permit Modification Notification Form

Unit: PUREX Storage Tunnels	Permit Part & Chapter: Part III, Chapter 3 and Attachment 28			
<u>Description of Modification:</u> Chapter 8.0: Remove Chapter 8.0 and replace with the attached Chapter 8.0.				
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.				
<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>N. Boyter</i> 9.19.01 N. C. Boyter Date	Reviewed by RL Program Office: <i>D. T. Evans</i> 10/16/01 D. T. Evans Date	Reviewed by Ecology: F. W. Bond Date	Reviewed by Ecology: <i>L. E. Ruud</i> 12/12/01 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: PUREX Storage Tunnels	Permit Part & Chapter: Part III, Chapter 3 and Attachment 28
---	--

Description of Modification:

Hanford Facility RCRA Permit, Condition III.3.A:

III.3.A COMPLIANCE WITH APPROVED PERMIT APPLICATION

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

Part A, Form 3, Permit Application, Revision 5

Section 2.1	The PUREX Storage Tunnels Description
Section 2.2	Topographic Map, including Class 1 Modifications from quarter ending June 30, 1997
Chapter 3.0	Waste Analysis
Chapter 4.0	Process Information
Chapter 6.0	Procedures to Prevent Hazards
Chapter 7.0	Contingency Plan, dated May 1998, as amended in Class 2 Modification for Revision 5
Chapter 8.0	Personnel Training, from Class 1 Modification for quarter ending September 30, 2001
Chapter 10.0	Waste Minimization
Chapter 11.0	Closure and Financial Assurance
Chapter 12.0	Reporting and Recordkeeping
Chapter 13.0	Other Federal and State Laws
Appendix 2A	Topographic Map
Appendix 3A	Waste Analysis Plan for PUREX Storage Tunnels
Appendix 4A	Engineering Drawings, including Class 1 Modifications from quarter ending December 31, 1998
Appendix 7A	Unit-Specific Contingency Plan for the 218-E-14 and 218-E-15 Storage Tunnels, dated May 1998, as amended in Class 2 Modification for Revision 5
Appendix 8A	Dangerous Waste Training Plan for the PUREX Facility

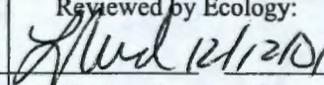
Modification Class: ¹²³	Class 1	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:	X			

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

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

A. General Permit Provisions

1. Administrative and informational changes

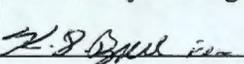
Submitted by Co-Operator:	Reviewed by RL Program Office:	Reviewed by Ecology:	Reviewed by Ecology:
 9/14/01	 10/1/01		 12/1/01
N. C. Boyter Date	D. T. Evans Date	F. W. Bond Date	L.E. Ruud Date

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: PUREX Storage Tunnels	Permit Part & Chapter: Part III, Chapter 3 and Attachment 28			
<u>Description of Modification:</u> Appendix 8A: Remove Appendix 8A.				
Modification Class: ¹²³	Class 1	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:	X			
Relevant WAC 173-303-830, Appendix I Modification: A.1.				
<u>Enter wording of the modification from WAC 173-303-830, Appendix I citation</u> A. General Permit Provisions 1. Administrative and informational changes				
Submitted by Co-Operator:	Reviewed by RL Program Office:	Reviewed by Ecology:	Reviewed by Ecology:	
 N. C. Boyter	 D. T. Evans	_____ F. W. Bond	 L.E. Ruud	
9/19/01 Date	10/1/01 Date	_____ Date	12/2/01 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 5 and Attachment 35
242-A Evaporator**

Page 1 of 6

Index

Page 2 of 6: Hanford Facility RCRA Permit, Condition III.5.A:
Page 3 of 6: Chapter 2.0, Section 2.1.2.2:
Page 4 of 6: Chapter 8.0
Page 5 of 6: Appendix 3A, Section 6.1.1
Page 6 of 6: Appendix 3A, Section 6.1.2

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, Condition III.5.A:

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):

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 March 31, 2000 |
| Section 3.2 | Waste Analysis, from Class 1 Modification for quarter ending September 30, 2001 |
| Chapter 4.0 | Process Information, from Class 1 Modification for quarter ending December 31, 1999 |
| Chapter 6.0 | Procedures to Prevent Hazards, from Class 1 Modification for quarter ending September 30, 2001 |
| Chapter 7.0 | Contingency Plan, dated May 1998, 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 ⁹ |
| Chapter 11.0 | Closure and Financial Assurance, from Class 1 Modification for quarter ending June 30, 1998 |
| Chapter 12.0 | Reporting and Recordkeeping |
| Chapter 13.0 | Other Federal and State Laws |
| Appendix 2A | Topographic Map |
| Appendix 3A | Waste Analysis Plan for 242-A Evaporator, from Class 1 Modification from quarter ending March 31, 1998 |
| Appendix 4A | Engineering Drawings, from Class 1 Modification for quarter ending March 31, 2000 |
| Appendix 4B | The 242-A Evaporator/Crystallizer Tank System Integrity Assessment Report |
| 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. |
| Appendix 8A | 200 Area Liquid Waste Processing Facilities Administrative Policies, Dangerous Waste Training Plan from Class 1 Modification for quarter ending June 30, 1998 |

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>T.L. Moore 9/16/01</i>	Reviewed by RL Program Office: <i>G.H. Sanders</i> OCT 02 2001	Reviewed by Ecology: <i>F. Jamison</i> 12/6/01	Reviewed by Ecology: <i>L.E. Ruud</i> 12/6/01
T. L. Moore Date	G. H. Sanders Date	F. Jamison Date	L.E. Ruud Date

¹ Class 1 modifications requiring prior Agency approval.

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

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

Hanford Facility RCRA Permit Modification Notification Form

Unit:
242-A Evaporator

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

Description of Modification:

Chapter 2.0, Section 2.1.2.2:

2.1.2.2 Steam Service Supply

Steam needed for the 242-A Evaporator process ~~currently~~ is supplied by the 200 East Area powerhouse, 284 E Building, which supplies a high pressure steam loop serving many units in the 200 East Area package boilers located in the 242-BA Annex west of the 242-A Building. A 610-inch steam line supplies 1,550⁶⁹ kilopascals gauge pressure steam and a 2 1/2-inch steam line provides 620 kilopascals gauge pressure steam to the 242-A Evaporator Building. In the future, the 284 E Building will be shut down and steam will be provided to units in the 200 East Area (including the 242-A Evaporator) by several package boilers. The 284 E Building and the package boilers ~~and~~ 242-BA Annex are not part of the 242-A Evaporator.

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.L. Moore 9/16/01</i>	Reviewed by RL Program Office: <i>[Signature]</i> OCT 02 2001	Reviewed by Ecology: <i>[Signature]</i> 12/27/01	Reviewed by Ecology: <i>[Signature]</i> 12/27/01
T. L. Moore Date	G. H. Sanders Date	F. Jamison Date	L.E. Ruud Date

¹ Class 1 modifications requiring prior Agency approval.

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

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

Hanford Facility RCRA Permit Modification Notification Form

Unit:
242-A Evaporator

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

Description of Modification:

Chapter 8.0:

Remove Chapter 8.0 and replace with the attached Chapter 8.0.

Modification Class: ¹²³

Please check one of the Classes:

Class 1

Class ¹1

Class 2

Class 3

X

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

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

A. General Permit Provisions

1. Administrative and informational changes.

Submitted by Co-Operator: <i>T. L. Moore</i>	Reviewed by RL Program Office: <i>G. H. Sanders</i> OCT 02 2001	Reviewed by Ecology: <i>F. Jamison</i> 12/29/01	Reviewed by Ecology: <i>L. E. Ruud</i> 12/10/01
T. L. Moore Date	G. H. Sanders Date	F. Jamison Date	L. E. Ruud Date

¹ Class 1 modifications requiring prior Agency approval.

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

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

Hanford Facility RCRA Permit Modification Notification Form

Unit:
242-A Evaporator

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

Description of Modification:

Appendix 3A, Section 6.1.1:

6.1.1 Candidate Feed Tank Sample Collection

Candidate feed tank samples are obtained by using a grab sampling method (e.g. "bottle on a string method") specified in ASTM E300, *Standard Practices for Sampling Industrial Chemicals* (ASTM 1986). The number of lateral sampling locations in candidate feed tanks is limited by the availability of tank risers providing access into the tank. Generally, only a few risers in each tank are actually available for sampling because the risers are dedicated to instrumentation or other uses. Sampling within a vertical column is generally limited only by the depth of waste in the tank. The criteria in Table 6-1-4 ~~is are~~ used when determining the specific sampling locations.

Riser selection is made by numbering the available risers that are at least 4.6 meters (~~15 feet~~) from each other and using a random number generator to select which risers will be used. Sample depths are determined by dividing the tank level into 1-foot increments and using a random number generator to determine a depth, which meets the criteria given in Table 6-1-4.

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. L. Moore</i>	Reviewed by RL Program Office: <i>G. H. Sanders</i>	Reviewed by Ecology: <i>F. L. Jamison</i>	Reviewed by Ecology: <i>L. E. Ruud</i>
T. L. Moore	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 Form

Unit:
242-A Evaporator

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

Description of Modification:

Appendix 3A, Section 6.1.2:

6.1.2 Candidate Feed Tank Sampling Quality Assurance and Quality Control

For each candidate feed tank sample, ~~four 100 milliliter bottles are drawn: one bottle for the mixing and compatibility study, two bottles for organic analysis (one each for volatile organic analysis [VOA] and semi-volatile organic analysis [semi-VOA]), and one bottle for inorganic analysis~~ a sample solution is drawn from the sample riser using one or more sample bottles. All sample bottles are precleaned, amber-colored glass bottles sealed with Teflon* caps or septum caps and lined septums, ~~except for however~~ the sample bottle for VOA, ~~which is~~ must be sealed with septum cap and lined septum.

For candidate feed tank sampling quality control, one field blank, consisting of four 100 milliliter bottles, is taken during the sample event: ~~two bottles for organic analysis (one each for VOA and semi-VOA) and two bottles for inorganic analysis~~ one or more sample bottles, is taken during the sample event. Field blanks are inserted approximately 1-foot into any one of the sample risers used during the sample event. One trip blank, also consisting of two 100 milliliter bottles, is also taken during each sample event: ~~one bottle for VOA and one bottle for semi-VOA~~ one or more sample bottles, is taken during each sample event. Trip blanks are analyzed as independent samples for VOA for those constituents detected in the field blanks. Field and trip blanks use the same types of sample bottles as the actual samples and are filled with reagent-grade water before shipment to the field.

Preservatives are not used with candidate feed tank samples because of concerns with high radiation exposure that would result from additional handling of sample solutions. It is not practical to refrigerate the bulky, shielded sample pigs and shipping containers. Biological activity, generally the largest problem in environmental samples, is unlikely in candidate feed tank samples because of the high salt content, pH, and radioactivity.

The chain of custody is documented on a data sheet that includes a discrete unique sample number, date and time sample was taken, custody seal number, and signature of the sampler. When possession of the sample is transferred to other persons, such as the shipper or laboratory, the signature of the relinquisher and receiver are recorded, along with date and time of the transfer. The receiver at the laboratory also documents on the data sheet that the sample seal number is correct and the seal is intact. The chain-of-custody data sheets are included in the operating record.

*Teflon is a trademark of E.I. DuPont de Nemours & Company

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. (Incorporating Permit Condition II.R., Equivalent material change)

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.L. Moore</i> 9/17/01	Reviewed by RL Program Office: <i>G.H. Sanders</i> OCT 02 2001	Reviewed by Ecology: <i>F. Jamison</i> 12/6/01	Reviewed by Ecology: <i>L.E. Ruud</i> 12/6/01
T. L. Moore Date	G. H. Sanders Date	F. Jamison Date	L. E. Ruud Date

¹ Class 1 modifications requiring prior Agency approval.

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

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

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

Page 1 of 7

Index

Page 2 of 7:	Hanford Facility RCRA Permit, Condition III.4.A
Page 3 of 7:	Hanford Facility RCRA Permit, Condition III.4.B.a
Page 4 of 7:	Chapter 4.0, Section 4.4.4.2.2
Page 5 of 7:	Chapter 4.0, Section 4.4.6
Page 6 of 7:	Chapter 4.0, Section 4.5.5.2
Page 7 of 7:	Chapter 8.0

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:

Hanford Facility RCRA Permit, Condition III.4.A:

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):

LERF Part A, Form 3, Permit Application, Revision 6

ETF Part A, Form 3, Permit Application, Revision 3

Section 2.2 Topographic Map

Section 3.2 Waste Analysis Plan

Chapter 4.0 Process Information, from Class 1 Modification for quarter ending September 30, 2001⁹

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

Chapter 12.0 Reporting and Recordkeeping

Chapter 13.0 Other Federal and State Laws

Appendix 2A Topographic Map

Appendix 3A Waste Analysis Plan for the Liquid Effluent Retention Facility and 200 Area Effluent Treatment Facility, dated May 1998, as amended in Class 2 Modification for Revision 5

Appendix 4A Detailed Drawings for the Liquid Effluent Retention Facility, from Class 1 Modification for quarter ending March 31, 2000

Appendix 4B Detailed Drawings for the 200 area Effluent Treatment Facility Container Storage Area and Tank Systems, from Class 1 Modification for quarter ending March 31, 2000

Appendix 5A Liquid Effluent Retention Facility Final Ground Water Monitoring Plan, PNNL-11620, See Amendment III.4.B.c.

Appendix 7A Building Emergency Plan for the Liquid Effluent Retention Facility and 200 Area Effluent Treatment Facility, from Class 2 Modification dated February. 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.

Appendix 8A ~~200 Area Liquid Waste Processing Facilities Administrative Policies, Dangerous Waste Training Plan, dated May 1998, as amended in Class 2 Modification for Revision 5~~

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.L. Moore</i>	Reviewed by RL Program Office: <i>G.H. Sanders</i> OCT 02 2001	Reviewed by Ecology: <i>F. Jamison</i> 10/03/01	Reviewed by Ecology: <i>L.E. Ruud</i> 12/6/01
T. L. Moore Date	G. H. Sanders Date	F. Jamison Date	L.E. Ruud Date

¹ Class 1 modifications requiring prior Agency approval.

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

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

Hanford Facility RCRA Permit Modification Notification Form

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

Description of Modification:

Hanford Facility RCRA Permit, Condition III.4.B.a: Delete this Condition, this text has been incorporated in Attachment 34, Chapter 4.0.

III.4.B. AMENDMENTS TO THE APPROVED PERMIT APPLICATION

III.4.B.a. ~~Section 4.4.6; add the following paragraph, "All tank systems holding dangerous waste are marked with labels or signs to identify the waste contained in the tanks. The labels or signs are legible at a distance of at least fifty (50) feet and bear a legend that identifies the waste in a manner which adequately warns employees, emergency response personnel, and the public, of the major risk(s) associated with the waste being stored or treated in the tank system(s)."~~

III.4.B.b. Appendix 3A, Waste Analysis Plan for the Liquid Effluent Retention Facility and 200 Area Effluent Treatment Facility.

III.4.B.b.1. The Permittees shall comply with all the requirements, subsections, figures, tables, and appendices, included in the "Waste Analysis Plan for Liquid Effluent Retention Facility and 200 Area Effluent Treatment Facility," except that the "Wastewater Profile Sheet Form" is included as an example only. The actual Wastewater Profile Sheet format may vary, but will contain the same substantive information as the example form.

III.4.B.b.2. Section 6.1 Dry Powder Waste

The following terms used in this Section, including powder, dry powder, waste powder, and dry waste powder; are equivalent to the term "dry powder waste" as defined in lines 20 through 27 on page 6-1.

III.4.B.b.3. Section 6.3 Other Waste Generated at the 200 Area Effluent Treatment Facility

Insert the phrase "according to Washington State Regulatory Requirements" after the word "designated" in line 44 on page 6-4.

III.4.B.c. Interim Status Ground Water 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: 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>T. L. Moore</i> 9/10/01	<i>G. H. Sanders</i> OCT 02 2001	<i>F. Jamison</i> 12/6/01	<i>L.E. Ruud</i> 12/6/01
T. L. Moore Date	G. H. Sanders Date	F. Jamison Date	L.E. Ruud Date

¹ Class 1 modifications requiring prior Agency approval.

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

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

Hanford Facility RCRA Permit Modification Notification Form

Unit: 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, Section 4.4.4.2.2.:

4.4.4.2.2 Ancillary Equipment [D-2b(2)(c)]

The secondary containment provided for the tanks and process systems also serves as secondary containment for the ancillary equipment associated with these systems.

Ancillary Equipment. Section 4.4.5.1 describes the secondary containment systems that also serve most of the ancillary equipment within the ETF. Between the ETF and the verification tanks, a pipeline trench provides secondary containment for four pipelines connecting the transfer pumps (i.e., discharge and return pumps) in the ETF with the verification tanks (Figure 4-1). This concrete trench crosses under the road and extends from the verification tank pumps to the verification tanks. Treated effluent flows through these pipelines from the verification tank pumps to the verification tanks. The return pump is used to return effluent to the ETF for use as service water or for reprocessing.

For all of the ancillary equipment housed within the ETF, the concrete floor, trenches, and berms form the secondary containment system. For the ancillary equipment of the surge tank and the verification tanks, secondary containment is provided by the concrete floors and dikes associated with these tanks. The concrete floor and pit provide secondary containment for the ancillary equipment of the load-in tanks.

Transfer Piping and Pipe Trenches. The two buried transfer lines between LERF and the surge tank have secondary containment in a pipe-within-a-pipe arrangement. The 4-inch transfer line has an 8-inch outer pipe, while the 3-inch transfer line has a 6-inch outer pipe. The pipes are fiberglass and are sloped towards the surge tank. The outer piping ends with a drain valve in the surge tank secondary containment.

These pipelines are equipped with leak detection located in the annulus between the inner and outer pipes, which have the ability to continuously 'inspect' the pipelines during aqueous waste transfers. The alarms on the leak detection system are monitored in the control room. A low-volume air purge of the annulus is provided to prevent condensation buildup and minimize false alarms by the leak detection system. In the event that these leak detectors are not in service, the pipelines are inspected during transfers by opening a drain valve to check for solution in the annular space between the inner and outer pipe.

The 3-inch transfer line between the load-in tanks and the surge tank has a 6-inch outer pipe in a pipe-within-a-pipe arrangement. The piping is made of fiberglass reinforced plastic and slopes towards the load-in tank secondary containment pit. The drain valve and leak detection system for the load-in tank pipelines are operated similarly to the leak detection system for the LERF to ETF pipelines.

As previously indicated, there are four reinforced concrete pipe trenches that provide secondary containment for piping under the roadway between the ETF and the verification tanks. Each trench is 1.2 meters wide and 0.76 meter deep and slopes towards the sump containing the transfer pumps to SALDS. The floor of the trenches are 30.5 centimeters thick and the sides are 15.2 centimeters thick. The concrete trenches are coated with water sealant and covered with metal gratings at ground level to allow vehicle traffic on the roadway.

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.L. Moore</i>	Reviewed by RL Program Office: <i>G.H. Sanders</i> OCT 02 2001	Reviewed by Ecology: <i>F. Jamison</i> 12/03/01	Reviewed by Ecology: <i>L.E. Ruud</i> 12/6/01
T. L. Moore Date	G. H. Sanders Date	F. Jamison Date	L.E. Ruud Date

¹ Class 1 modifications requiring prior Agency approval.

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

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

Hanford Facility RCRA Permit Modification Notification Form

Unit:
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, Section 4.4.6.: Incorporated Permit Condition II.4.B.a.

4.4.6. Labels or Signs [D-2e]

Each tank or process unit in the ETF is identified by a nameplate attached in a readily visible location. Included on the nameplate are the equipment number and the equipment title. Those tanks which store or treat dangerous waste at the ETF (Section 4.4.1.1) are identified with a label which reads "PROCESS WATER/WASTE". The labels are legible at a distance of at least fifty feet or as appropriate for legibility within the ETF. Additionally, these tanks bear a legend that identifies the waste in a manner, which adequately warns employees, emergency personnel, and the public of the major risk(s) associated with the waste being stored or treated in the tank system(s).

Caution plates are used to show possible hazards and warn that precautions are necessary. Caution signs have a yellow background and black panel with yellow letters and bear the word "CAUTION". Danger signs show immediate danger and signify that special precautions are necessary. These signs are red, black, and white and bear the word "DANGER".

Tanks and vessels containing corrosive chemicals are posted with black and white signs bearing the word "CORROSIVE". "DANGER - UNAUTHORIZED PERSONNEL KEEP OUT" signs are posted on all exterior doors of the ETF, and on each interior door leading into the process area. Tank ancillary piping is also labeled "PROCESS WATER" or "PROCESS LIQUID" to alert personnel which pipes in the process area contains dangerous and/or mixed waste.

All tank systems holding dangerous waste are marked with labels or signs to identify the waste contained in the tanks. The labels or signs are legible at a distance of at least fifty (50) feet and bear a legend that identifies the waste in a manner which adequately warns employees, emergency response personnel, and the public, of the major risk(s) associated with the waste being stored or treated in the tank system(s).

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.L. Moore</i> 9/16/01	Reviewed by RL Program Office: <i>G.H. Sanders</i> OCT 02 2001	Reviewed by Ecology: <i>F. Jamison</i> 12/6/01	Reviewed by Ecology: <i>L.E. Ruud</i> 12/6/01
T. L. Moore Date	G. H. Sanders Date	F. Jamison Date	L.E. Ruud Date

¹ Class 1 modifications requiring prior Agency approval.

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

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

Hanford Facility RCRA Permit Modification Notification Form

Unit:
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, Section 4.5.5.2.:

4.5.5.2. Leak Detection System

Single-point electronic leak detection elements are installed along the transfer line at 305-meter intervals. The leak detection elements are located in the bottom of specially designed test risers. Each sensor element employs a conductivity sensor, which is connected to a cable leading back to the 242-A Evaporator control room. If a leak develops in the carrier pipe, fluid will travel down the exterior surface of the carrier pipe or the interior of the containment pipe. As moisture contacts a sensor unit, the alarm sounds in the 242-A Evaporator control room and the zone of the leak is indicated on the digital display. The pump located in the 242-A Evaporator is shut down, stopping the flow of aqueous waste through the transfer line. A low-volume air purge of the annulus between the carrier pipe and the containment pipe is provided to prevent condensation buildup and minimize false alarms by the leak detection elements.

The catch basins have conductivity leak detectors that alarm in the 242-A Evaporator control room. Leaks into the catch basins drain back to the basin through a 5.1-centimeter drain on the floor of the catch basin.

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. L. Moore 9/16/01</i>	Reviewed by RL Program Office: <i>G. H. Sanders</i> OCT 02 2001	Reviewed by Ecology: <i>F. Jamison</i> 12/03/01	Reviewed by Ecology: <i>L. E. Ruud</i> 12/16/01
T. L. Moore Date	G. H. Sanders Date	F. Jamison Date	L.E. Ruud Date

¹ Class 1 modifications requiring prior Agency approval.

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

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

Hanford Facility RCRA Permit Modification Notification Form

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

Description of Modification:

Chapter 8.0:

Remove Chapter 8.0 and replace with the attached Chapter 8.0.

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>T. L. Moore</i> 9/16/01	<i>G. H. Sanders</i> OCT 02 2001	<i>F. Jamison</i> 12/6/01	<i>L.E. Ruud</i> 12/6/01
T. L. Moore Date	G. H. Sanders Date	F. Jamison Date	L.E. Ruud Date

¹ Class 1 modifications requiring prior Agency approval.

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

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

**Hanford Facility RCRA Permit Modification Notification Forms
Part III, Chapter 6 and Attachment 36
325 Hazardous Waste Treatment Units**

Page 1 of 4

Index

Page 2 of 4: Hanford Facility RCRA Permit, Condition III.6.A
Page 3 of 4: Chapter 8.0
Page 4 of 4: Appendix 8A

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, Condition III.6.A:

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. All subsections, figures, and tables included in these portions are also enforceable, unless stated otherwise:

Part A, Form 3, Permit Application, Revision 4A, June 2000

Chapter 2.2	Topographic Map from Class 1 Modification for quarter ending June 30, 1998
Chapter 3.0	Waste Characteristics from Class 1 Modification for quarter ending December 31, 1998
Chapter 4.0	Process Information from Class 1 Modification for quarter ending September 30, 1999
Chapter 6.0	Procedures to Prevent Hazards from Class 1 Modification for quarter ending June 30, 1999
Chapter 7.0	Contingency Plan, from Class 1 Modification for quarter ending June 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, 2000
Chapter 12.0	Reporting and Recordkeeping from Class 1 Modification for quarter ending December 31, 1998
Chapter 13.0	Other Relevant Laws from Class 1 Modification for quarter ending December 31, 1998
Appendix 3A	325 HWTUs Waste Analysis Plan from Class 1 Modification for quarter ending June 30, 1999
Appendix 4A	Engineering Drawings
Appendix 7A	Building Emergency Plan for the 325 HWTUs, from Class 1 Modification for quarter ending June 30, 2000
Appendix 8A	Training from Class 1 Modification for quarter ending December 31, 1998

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

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

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

A. General Permit Provisions

1. Administrative and Informational changes

Submitted by Co-Operator:	Reviewed by RL Program Office:	Reviewed by Ecology:	Reviewed by Ecology:
<i>A.K. Ikenberry</i> 9-17-01	<i>R.F. Christensen</i> 10/2/01	<i>F. Jamison</i> 12/6/01	<i>L.E. Ruud</i> 12/6/01
A.K. Ikenberry Date	R.F. Christensen Date	F. Jamison Date	L.E. Ruud Date

¹ Class 1 modifications requiring prior Agency approval.

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

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

Hanford Facility RCRA Permit Modification Notification Form

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

Description of Modification:

Chapter 8.0

Remove Chapter 8 and replace with the attached Chapter 8.

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

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

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

A. General Permit Provisions

1. Administrative and Informational changes

Submitted by Co-Operator:	Reviewed by RL Program Office:	Reviewed by Ecology:	Reviewed by Ecology:
<i>A.K. Ikenberry</i> 9-17-01	<i>R.F. Christensen</i> 10/2/01	<i>F. Jamison</i> 12/6/01	<i>L.E. Ruud</i> 12/6/01
A.K. Ikenberry Date	R.F. Christensen Date	F. Jamison Date	L.E. Ruud Date

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

Hanford Facility RCRA Permit Modification Notification Form

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

Description of Modification:

Appendix 8A:

Remove Appendix 8A.

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

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

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

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

Submitted by Co-Operator:	Reviewed by RL Program Office:	Reviewed by Ecology:	Reviewed by Ecology:
<i>A.K. Ikenberry</i> 9-17-01	<i>R.F. Christensen</i> 10/2/01	<i>F. Jamison</i> 7/2/01	<i>L.E. Ruud</i> 12/6/01
A.K. Ikenberry Date	R.F. Christensen Date	F. Jamison Date	L.E. Ruud Date

¹ Class 1 modifications requiring prior Agency approval.

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

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

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

Page 1 of 12

Index

Page 2 of 12:	Hanford Facility RCRA Permit, V.18.A
Page 3 of 12:	Appendix B, Section B2.1.10
Page 4 of 12:	Appendix B, Section B4.1
Page 5 of 12:	Appendix B, Section B4.6
Page 6 of 12:	Appendix B, Section B.6.0
Page 7 of 12:	Appendix B, Attachment B-5
Page 8 of 12:	Appendix B, Attachment B-5
Page 9 of 12:	Appendix B, Attachment B-5
Page 10 of 12:	Appendix B, Attachment B-5
Page 11 of 12:	Appendix B, Attachment B-5-1
Page 12 of 12:	Appendix B, Attachment B-5-1

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.A:

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, Rev. 0, 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

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

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

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

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

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

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

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

A. General Permit Provisions

1. Administrative and Informational changes

Submitted by Co-Operator: <i>T.E. Logan</i> 9/20/01 T.E. Logan Date	Reviewed by RL Program Office: <i>M. S. McCormick</i> 11/12/01 M. S. McCormick Date	Reviewed by Ecology: <i>J. B. Price</i> 12/05/01 J. B. Price Date	Reviewed by Ecology: <i>L. E. Ruud</i> 12/18/01 L. E. Ruud Date
---	---	---	---

¹ Class 1 modifications requiring prior Agency approval.

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

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

Remove and replace Appendix B with the attached Appendix B

Appendix B, Section B2.1.10:

B2.1.10 Security

The entire Hanford Site is a controlled-access area. The Hanford Site maintains around-the-clock surveillance to restrict unauthorized access for the protection of the public and of government property, classified information, and special nuclear materials. The Hanford Patrol maintains a continuous presence of protective force personnel to provide Hanford Site security.

Within the Hanford Site are operational areas, including 100-N, to which access is restricted. There is a staffed checkpoint at the Wye Barricade (Figure 1-1 of this TSD CMS) through which access to the 100-N Area is allowed only to authorized personnel. Authorized personnel are those individuals with a DOE-issued security identification badge indicating the appropriate authorization. Such personnel are subject to a search of items carried into or out of controlled areas. ~~Unknowning entry by individuals to the 100-N Area is administratively prevented by posting on access roads that allow authorized access only. To preclude unknowing access into the 1324 N and 1324 NA units and to minimize the possibility of entry by animals or by unauthorized individuals, the unit is surrounded by a fence that has locked gate access. Also, posted at the unit are placards that read "Danger—Unauthorized Personnel Keep Out."~~

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> 9/20/01 T.E. Logan Date	Reviewed by RL Program Office: <i>M. S. McCormick</i> 10/1/01 M. S. McCormick Date	Reviewed by Ecology: <i>J. B. Price</i> 12/05/01 J. B. Price Date	Reviewed by Ecology: <i>L. E. Ruud</i> 12/18/01 L. E. Ruud Date
---	--	---	---

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

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Hanford Facility RCRA Permit Modification Notification Form

Unit:

1324-N Surface Impoundment

Permit Part & Chapter:

Part V, Chapter 18, Attachment 42

Description of Modification:

Remove and replace Appendix B with the attached Appendix B
Appendix B, Section B4.1:

B4.1 REMOVAL OF STRUCTURES

There will be no remediation excavation in the 1324-N/NA earthen basins for closure, but the Hypalon™ liner and leak detection systems in the 1324-N Surface Impoundment will be removed, using conventional excavation equipment, and disposed as noncontaminated waste. In addition, the sampling shed and perimeter fence will be removed. The structures are discussed in the TSD CMS Section 2.4.4. Figure 2-29 shows the surface impoundment, sampling shed and perimeter fence.

The Hypalon™ liner, sampling shed, ~~and~~ perimeter fence, ~~and~~ signage will be demolished and removed using conventional demolition/earthmoving equipment. The demolished components will be disposed of in an appropriate non-hazardous disposal facility or recycled as scrap, as appropriate.

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>T. E. Logan</i> 9/20/01	<i>M. S. McCormick</i> 10/1/01	<i>J. B. Price</i> 12/05/01	<i>L. E. Ruud</i> 12/12/01
T. E. Logan Date	M. S. McCormick Date	J. B. Price Date	L. E. Ruud Date

¹ Class 1 modifications requiring prior Agency approval.

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Hanford Facility RCRA Permit Modification Notification Form

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

Description of Modification:

Remove and replace Appendix B with the attached Appendix B Appendix B, Section B4.6:

B4.6 PERSONNEL TRAINING

No radioactive or dangerous waste constituent hazards are expected to be encountered during closure activities at 1324-N and 1324-NA, nor are dangerous wastes expected to be generated. However, should hazards be encountered or dangerous waste be generated that were not anticipated, training will be provided to site personnel in accordance with the site-specific training plan contained in Attachment B-4.

Training required during closure activities for personnel involved in the groundwater monitoring program are the same as those identified in Section 5.5 the Postclosure 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>T. E. Logan</i> T. E. Logan	Reviewed by RL Program Office: <i>M. S. McCormick</i> M. S. McCormick	Reviewed by Ecology: <i>J. B. Price</i> J. B. Price	Reviewed by Ecology: <i>L. E. Ruud</i> L. E. Ruud
9/20/01 Date	10/1/01 Date	12/05/01 Date	12/18/01 Date

¹ Class 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.
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Hanford Facility RCRA Permit Modification Notification Form

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

Description of Modification:

Remove and replace Appendix B with the attached Appendix B

Appendix B, Section B.6.0:

B6.0 REFERENCES

J. B. Price, 2000, Letter, *Contained-in Determination for the 116-N-1 and 116-N-3 Soils*, to Glenn L. Goldberg, U.S. Department of Energy, December 27, 2000, Department of Ecology, Kennewick, Washington.

DOE/RL-2000-16, *Remedial Design/Remedial Action Work Plan*, Current Revision, U.S. Department of Energy, Richland, Washington.

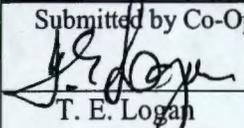
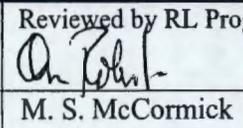
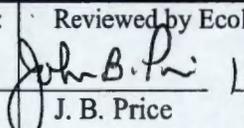
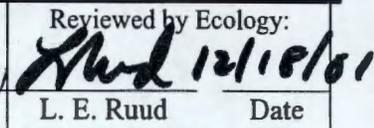
DOE-RL, 2000, *Sampling and Analysis Plan for the 100-NR-1 Treatment, Storage, and Disposal Units During Remediation and Closeout*, DOE/RL-2000-07, Rev. 0, U.S. Department of Energy, Richland, Washington.

EPA, 2000, *Interim Remedial Action Record of Decision for the 100-NR-1 Operable Unit, Hanford Site, Benton County, Washington*, U.S. Environmental Protection Agency, Region 10, Seattle, Washington.

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:
 T. E. Logan	 M. S. McCormick	 J. B. Price	 L. E. Ruud
12/20/01 Date	10/1/01 Date	12/05/01 Date	12/18/01 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
--	--

Description of Modification:

Remove and replace Appendix B with the attached Appendix B.
Appendix B, Attachment B-5:

Course Descriptions

Hazardous Waste Operations 24-Hour or 40-Hour Refresher: Provides training relative to dangerous waste management, hazard identification, and protective clothing.

Hanford Employee Safety Orientation Refresher (Hanford General Employee Training [HGET]): Provides training relative to contingency plan implementation, effective response to emergencies, communications systems, alarm systems, and response to fire or explosion.

Site-Specific (Attachment B-5-1A): Provides unit-specific training relative to dangerous waste management hazards, contingency plan implementation, effective response to emergencies, communications systems, alarm systems, response to fire or explosion, emergency equipment, and procedures for using, inspecting, repairing, and replacing emergency and monitoring equipment.

Building Warden Training or Building Emergency Director Training Refresher for either course: Provides training relative to emergency coordinator responsibilities.

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>T. E. Logan</i> T. E. Logan	Reviewed by RL Program Office: <i>M. S. McCormick</i> M. S. McCormick	Reviewed by Ecology: <i>J. B. Price</i> J. B. Price	Reviewed by Ecology: <i>L. E. Ruud</i> L. E. Ruud
9/20/01 Date	10/2/01 Date	12/05/01 Date	12/18/01 Date

¹ Class 1 modifications requiring prior Agency approval.

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Hanford Facility RCRA Permit Modification Notification Form

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

Description of Modification:

Remove and replace Appendix B with the attached Appendix B.

Appendix B, Attachment B-5:

Records Retention

This training plan includes employee training records. The employee training records are maintained electronically and are available on ~~request~~ ~~HLAN soft reporting~~. This training plan shall be kept at the Hanford Facility and be readily retrievable. A hard copy of any site-specific training that is not recorded ~~electronically in soft reporting~~ must be kept on file and be readily retrievable.

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 RL Program Office: <i>M. S. McCormick</i> M. S. McCormick	Reviewed by Ecology: <i>J. B. Price</i> J. B. Price	Reviewed by Ecology: <i>L. E. Ruud</i> L. E. Ruud
9/20/01 Date	10/2/01 Date	12/05/01 Date	12/18/01 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
--	--

Description of Modification:

Remove and replace Appendix B with the attached Appendix B.

Appendix B, Attachment B-5:

Revision

This training plan will be revised whenever ~~training requirements in WAC 173-303-330 or the Hanford Dangerous Waste Permit are revised, or as needed.~~

- ~~Training courses change names or numbers,~~
- ~~Employees change positions,~~
- ~~New employees are assigned to 1324-N and 1324-NA~~
- ~~Training requirements in WAC 173-303-330 or the Hanford Dangerous Waste Permit are revised.~~

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 RL Program Office: <i>M. S. McCormick</i> M. S. McCormick	Reviewed by Ecology: <i>J. B. Price</i> J. B. Price	Reviewed by Ecology: <i>L. E. Ruud</i> L. E. Ruud
9/20/01 Date	10/1/01 Date	12/05/01 Date	12/18/01 Date

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

Hanford Facility RCRA Permit Modification Notification Form

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

Description of Modification:

Remove and replace Appendix B with the attached Appendix B.

Appendix B, Attachment B-5:

Dangerous Waste Management Position Descriptions

This training plan applies only to employees who perform work at 1324-N and 1324-NA or are 1324-N and 1324-NA Emergency Coordinators. If employees fit into one or more position they shall be placed in the position that requires the higher level of training. The Human Resource Division maintains required skills, education, and other qualifications for job title/positions. Specific information concerning job title/position, required skills, education and other qualifications for personnel can be provided upon request.

Job Title: Waste Handler

Duties: Perform inspections, treat wastes, perform treatability tests, take samples, package and ship waste, and respond to emergencies

~~Required Skills: Basic communication skills and ability to follow instructions~~

~~Required Education: None~~

~~Other Required Qualifications: None~~

Job Title: General Workers

Duties: Perform inspections, respond to emergencies, provide maintenance services, operate equipment, and set up equipment

~~Required Skills: Basic communication skills and ability to follow instructions~~

~~Required Education: None~~

~~Other Required Qualifications: None~~

Job Title: Supervisors

Duties: Supervise waste handlers and general workers, assure personnel training, perform inspections, and respond to emergencies

~~Required Skills: Management~~

~~Required Education: 4 year college degree or equivalent knowledge and experience~~

~~Other Required Qualifications: None~~

Job Title: Emergency Coordinators

Duties: Respond to emergencies per WAC 173-303-360

~~Required Skills: Management~~

~~Required Education: 4 year college degree or equivalent knowledge and experience~~

~~Other Required Qualifications: None~~

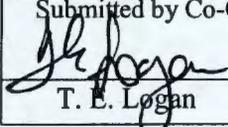
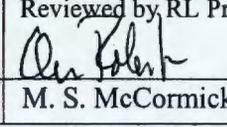
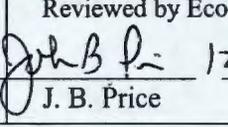
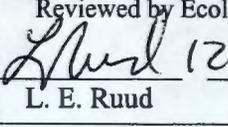
Modification Class: ¹²³	Class 1	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:	X			

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:
 9/20/01 T. E. Logan Date	 10/1/01 M. S. McCormick Date	 12/05/01 J. B. Price Date	 12/12/01 L. E. Ruud Date

¹ Class 1 modifications requiring prior Agency approval.

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

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Hanford Facility RCRA Permit Modification Notification Form

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

Description of Modification:

Remove and replace Appendix B with the attached Appendix B.
Appendix B, Attachment B-5-1:

Communications

There are no fixed communication systems at 1324-N and 1324-NA. Communication equipment may be obtained by the 105-N Shift Manager from the supervisory when deemed necessary.

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 RL Program Office: <i>M. S. McCormick</i> M. S. McCormick	Reviewed by Ecology: <i>J. B. Price</i> J. B. Price	Reviewed by Ecology: <i>L. E. Ruud</i> L. E. Ruud
9/20/01 Date	10/12/01 Date	12/05/01 Date	12/18/01 Date

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Hanford Facility RCRA Permit Modification Notification Form

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

Description of Modification:

Remove and replace Appendix B with the attached Appendix B.

Appendix B, Attachment B-5-1:

Documents to be Reviewed

Each facility worker must review and be cognizant of the following site-specific documents:

- 1324-N/NA Site-Specific Contingency Plan
- 1324-N/NA Site-Specific Inspection Plan
- 1324-N/NA Site-Specific Waste Analysis Plan
- 1324-N/NA Site-Specific Training Plan

Stringent administrative controls and engineered barriers would be employed to minimize the probability of even a minor incident and/or accident.

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> 9/20/01 T. E. Logan Date	Reviewed by RL Program Office: <i>M. S. McCormick</i> 10/1/01 M. S. McCormick Date	Reviewed by Ecology: <i>J. B. Price</i> 12/05/01 J. B. Price Date	Reviewed by Ecology: <i>L. E. Ruud</i> 12/18/01 L. E. Ruud Date
---	--	---	---

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**Hanford Facility RCRA Permit Modification Notification Forms
for
1324-NA Percolation Pond
Part V, Chapter 19, Attachment 42**

Page 1 of 12

Index

Page 2 of 12:	Hanford Facility RCRA Permit, V.18.A
Page 3 of 12:	Appendix B, Section B2.1.10
Page 4 of 12:	Appendix B, Section B4.1
Page 5 of 12:	Appendix B, Section B4.6
Page 6 of 12:	Appendix B, Section B.6.0
Page 7 of 12:	Appendix B, Attachment B-5
Page 8 of 12:	Appendix B, Attachment B-5
Page 9 of 12:	Appendix B, Attachment B-5
Page 10 of 12:	Appendix B, Attachment B-5
Page 11 of 12:	Appendix B, Attachment B-5-1
Page 12 of 12:	Appendix B, Attachment B-5-1

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.A.

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, Rev. 0, 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 |
| Section B2.1 | General Description of Unit, from Class 1 Modifications for quarter ending September 30, 2001 |
| Section B3.0 | Ground Water Monitoring, from Class 1 Modifications for quarter ending September 30, 2001 |
| Section B4.0 | Closure, from Class 1 Modifications for quarter ending September 30, 2001 |
| Section B5.0 | Post-Closure Plan, from Class 1 Modifications for quarter ending September 30, 2001 |

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>T. H. Logan</i> T. H. Logan	<i>M. S. McCormick</i> M. S. McCormick	<i>J. B. Price</i> J. B. Price	<i>L. E. Ruud</i> L. E. Ruud
9/20/01 Date	10/1/01 Date	12/05/01 Date	12-18-01 Date

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Hanford Facility RCRA Permit Modification Notification Form

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

Description of Modification:

Remove and replace Appendix B with the attached Appendix B
Appendix B, Section B2.1.10:

B2.1.10 Security

The entire Hanford Site is a controlled-access area. The Hanford Site maintains around-the-clock surveillance to restrict unauthorized access for the protection of the public and of government property, classified information, and special nuclear materials. The Hanford Patrol maintains a continuous presence of protective force personnel to provide Hanford Site security.

Within the Hanford Site are operational areas, including 100-N, to which access is restricted. There is a staffed checkpoint at the Wye Barricade (Figure 1-1 of this TSD CMS) through which access to the 100-N Area is allowed only to authorized personnel. Authorized personnel are those individuals with a DOE-issued security identification badge indicating the appropriate authorization. Such personnel are subject to a search of items carried into or out of controlled areas. ~~Unknowning entry by individuals to the 100-N Area is administratively prevented by posting on access roads that allow authorized access only. To preclude unknowing access into the 1324-N and 1324-NA units and to minimize the possibility of entry by animals or by unauthorized individuals, the unit is surrounded by a fence that has locked gate access. Also, posted at the unit are placards that read "Danger—Unauthorized Personnel Keep Out."~~

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> 7/20/01 T. E. Logan Date	Reviewed by RL Program Office: <i>M. S. McCormick</i> 10/11/01 M. S. McCormick Date	Reviewed by Ecology: <i>J. B. Price</i> 12-05-01 J. B. Price Date	Reviewed by Ecology: <i>L. E. Ruud</i> 12-18-01 L. E. Ruud Date
---	---	---	---

¹ Class 1 modifications requiring prior Agency approval.

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

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

Hanford Facility RCRA Permit Modification Notification Form

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

Description of Modification:

Remove and replace Appendix B with the attached Appendix B Appendix B, Section B4.1:

B4.1 REMOVAL OF STRUCTURES

There will be no remediation excavation in the 1324-N/NA earthen basins for closure, but the Hypalon™ liner and leak detection systems in the 1324-N Surface Impoundment will be removed, using conventional excavation equipment, and disposed as noncontaminated waste. In addition, the sampling shed and perimeter fence will be removed. The structures are discussed in the TSD CMS Section 2.4.4. Figure 2-29 shows the surface impoundment, sampling shed and perimeter fence.

The Hypalon™ liner, sampling shed and perimeter fence will be demolished and removed using conventional demolition/earthmoving equipment. The demolished components will be disposed of in an appropriate non-hazardous disposal facility or recycled as scrap, as appropriate.

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>T. E. Logan</i> 9/20/01 T. E. Logan Date	Reviewed by RL Program Office: <i>M. S. McCormick</i> 10/1/01 M. S. McCormick Date	Reviewed by Ecology: <i>John B. Price</i> 12-05-01 J. B. Price Date	Reviewed by Ecology: <i>L. E. Ruud</i> 12-18-01 L. E. Ruud Date
---	--	---	---

¹ Class 1 modifications requiring prior Agency approval.

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

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

Hanford Facility RCRA Permit Modification Notification Form

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

Description of Modification:

Remove and replace Appendix B with the attached Appendix B
Appendix B, Section B4.6:

B4.6 PERSONNEL TRAINING

No radioactive or dangerous waste constituent hazards are expected to be encountered during closure activities at 1324-N and 1324-NA, nor are dangerous wastes expected to be generated. However, should hazards be encountered or dangerous waste be generated that were not anticipated, training will be provided to site personnel in accordance with the site-specific training plan contained in Attachment B-5-4.

Training required during closure activities for personnel involved in the groundwater monitoring program are the same as those identified in Section 5.5 the Postclosure 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>T. E. Logan</i> 9/20/01	Reviewed by RL Program Office: <i>M. S. McCormick</i> 10/1/01	Reviewed by Ecology: <i>J. B. Price</i> 12-05-01	Reviewed by Ecology: <i>L. E. Ruud</i> 12-18-01
T. E. Logan Date	M. S. McCormick Date	J. B. Price Date	L. E. Ruud Date

¹ Class 1 modifications requiring prior Agency approval.

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Hanford Facility RCRA Permit Modification Notification Form

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

Description of Modification:

Remove and replace Appendix B with the attached Appendix B

Appendix B, Section B.6.0:

B6.0 REFERENCES

J. B. Price, 2000, Letter, *Contained-in Determination for the 116-N-1 and 116-N-3 Soils*, to Glenn L. Goldberg, U.S. Department of Energy, December 27, 2000, Department of Ecology, Kennewick, Washington.

DOE/RL-2000-16, *Remedial Design/Remedial Action Work Plan*, Current Revision, U.S. Department of Energy, Richland, Washington.

DOE-RL, 2000, *Sampling and Analysis Plan for the 100-NR-1 Treatment, Storage, and Disposal Units During Remediation and Closeout*, DOE/RL-2000-07, Rev. 0, U.S. Department of Energy, Richland, Washington.

EPA, 2000, *Interim Remedial Action Record of Decision for the 100-NR-1 Operable Unit, Hanford Site, Benton County, Washington*, U.S. Environmental Protection Agency, Region 10, Seattle, Washington.

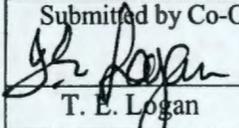
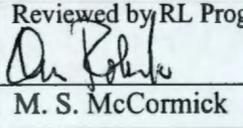
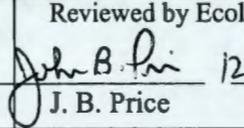
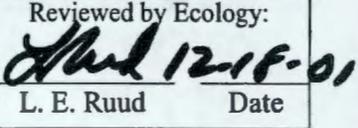
Modification Class: ¹²³	Class 1	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:	X			

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 RL Program Office:  M. S. McCormick	Reviewed by Ecology:  J. B. Price	Reviewed by Ecology:  L. E. Ruud
9/20/01 Date	10/1/01 Date	12-05-01 Date	April 12-18-01 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:

Remove and replace Appendix B with the attached Appendix B Appendix B, Attachment B-5:

Course Descriptions

Hazardous Waste Operations 24-Hour or 40-Hour Refresher: Provides training relative to dangerous waste management, hazard identification, and protective clothing.

Hanford Employee Safety Orientation Refresher (Hanford General Employee Training [HGET]): Provides training relative to contingency plan implementation, effective response to emergencies, communications systems, alarm systems, and response to fire or explosion.

Site-Specific (Attachment B-5-1A): Provides unit-specific training relative to dangerous waste management hazards, contingency plan implementation, effective response to emergencies, communications systems, alarm systems, response to fire or explosion, emergency equipment, and procedures for using, inspecting, repairing, and replacing emergency and monitoring equipment.

Building Warden Training or Building Emergency Director Training Refresher for either course: Provides training relative to emergency coordinator responsibilities.

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>T. E. Logan</i> T. E. Logan Date: 9/20/01	Reviewed by RL Program Office: <i>M. S. McCormick</i> M. S. McCormick Date: 10/1/01	Reviewed by Ecology: <i>J. B. Price</i> J. B. Price Date: 12-08-01	Reviewed by Ecology: <i>L. E. Ruud</i> L. E. Ruud Date: 12-11-01
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¹ Class 1 modifications requiring prior Agency approval.

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

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

Hanford Facility RCRA Permit Modification Notification Form

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

Description of Modification:

Remove and replace Appendix B with the attached Appendix B Appendix B, Attachment B-5:

Records Retention

This training plan includes employee training records. The employee training records are maintained electronically and are available on ~~request~~ ~~HLAN soft reporting~~. This training plan shall be kept at the Hanford Facility and be readily retrievable. A hard copy of any site-specific training that is not recorded ~~electronically in soft reporting~~ must be kept on file and be readily retrievable.

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	Date <i>9/20/01</i> Date	Reviewed by RL Program Office: <i>M. S. McCormick</i> M. S. McCormick	Date <i>10/1/01</i> Date	Reviewed by Ecology: <i>J. B. Price</i> J. B. Price	Date <i>12-05-01</i> Date	Reviewed by Ecology: <i>L. E. Ruud</i> L. E. Ruud	Date <i>12-18-01</i> 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:

Remove and replace Appendix B with the attached Appendix B
 Appendix B, Attachment B-5:

Revision

This training plan will be revised whenever training requirements in WAC 173-303-330 or the Hanford Dangerous Waste Permit are revised, or as needed.

- ~~Training courses change names or numbers,~~
- ~~Employees change positions,~~
- ~~New employees are assigned to 1324 N and 1324 NA~~
- ~~Training requirements in WAC 173-303-330 or the Hanford Dangerous Waste Permit are revised.~~

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>T. E. Logan</i> 9/28/01 T. E. Logan Date	<i>M. S. McCormick</i> 10/1/01 M. S. McCormick Date	<i>J. B. Price</i> 12/05/01 J. B. Price Date	<i>L. E. Ruud</i> 12-18-01 L. E. Ruud Date

¹ Class 1 modifications requiring prior Agency approval.

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

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

Hanford Facility RCRA Permit Modification Notification Form

Unit:

1324-NA Percolation Pond

Permit Part & Chapter:

Part V, Chapter 19, Attachment 42

Description of Modification:

Remove and replace Appendix B with the attached Appendix B

Appendix B, Attachment B-5:

Dangerous Waste Management Position Descriptions

This training plan applies only to employees who perform work at 1324-N and 1324-NA or are 1324-N and 1324-NA Emergency Coordinators. If employees fit into one or more position they shall be placed in the position that requires the higher level of training. The Human Resource Division maintains required skills, education, and other qualifications for job title/positions. Specific information concerning job title/position, required skills, education and other qualifications for personnel can be provided upon request.

Job Title: Waste Handler

Duties: Perform inspections, treat wastes, perform treatability tests, take samples, package and ship waste, and respond to emergencies

~~Required Skills: Basic communication skills and ability to follow instructions~~~~Required Education: None~~~~Other Required Qualifications: None~~Job Title: General Workers

Duties: Perform inspections, respond to emergencies, provide maintenance services, operate equipment, and set up equipment

~~Required Skills: Basic communication skills and ability to follow instructions~~~~Required Education: None~~~~Other Required Qualifications: None~~Job Title: Supervisors

Duties: Supervise waste handlers and general workers, assure personnel training, perform inspections, and respond to emergencies

~~Required Skills: Management~~~~Required Education: 4 year college degree or equivalent knowledge and experience~~~~Other Required Qualifications: None~~Job Title: Emergency Coordinators

Duties: Respond to emergencies per WAC 173-303-360

~~Required Skills: Management~~~~Required Education: 4 year college degree or equivalent knowledge and experience~~~~Other Required Qualifications: None~~Modification Class: ^{1,2,3}

Class 1

Class ¹1

Class 2

Class 3

Please check one of the Classes:

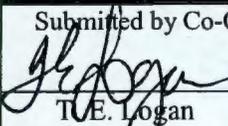
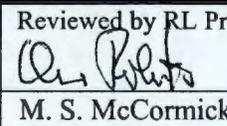
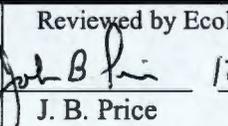
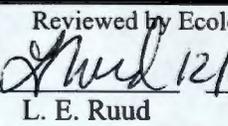
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Relevant WAC 173-303-830, Appendix I Modification: A.1.

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:
 T.E. Logan	 M. S. McCormick	 J. B. Price	 L. E. Ruud
9/20/01 Date	10/1/01 Date	12/5/01 Date	12/12/01 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:

Remove and replace Appendix B with the attached Appendix B
Appendix B, Attachment B-5-1:

Communications

There are no fixed communication systems at 1324-N and 1324-NA. Communication equipment may be obtained by the 105-N Shift Manager from the supervisory when deemed necessary.

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>T. E. Logan</i> 9/20/01 T. E. Logan Date	Reviewed by RL Program Office: <i>M. S. McCormick</i> 12/1/01 M. S. McCormick Date	Reviewed by Ecology: <i>John B. Price</i> 12/05/01 J. B. Price Date	Reviewed by Ecology: <i>L. E. Ruud</i> 12-18-01 L. E. Ruud Date
---	--	---	---

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Hanford Facility RCRA Permit Modification Notification Form

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

Description of Modification:

Remove and replace Appendix B with the attached Appendix B Appendix B, Attachment B-5-1:

Documents to be Reviewed

Each facility worker must review and be cognizant of the following site-specific documents:

- 1324-N/NA Site-Specific Contingency Plan
- 1324-N/NA Site-Specific Inspection Plan
- 1324-N/NA Site-Specific Waste Analysis Plan
- 1324-N/NA Site-Specific Training Plan

Stringent administrative controls and engineered barriers would be employed to minimize the probability of even a minor incident and/or accident.

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> 9/20/01 T. E. Logan Date	Reviewed by RL Program Office: <i>M. S. McCormick</i> 10/1/01 M. S. McCormick Date	Reviewed by Ecology: <i>J. B. Price</i> 12/05/01 J. B. Price Date	Reviewed by Ecology: <i>L. E. Ruud</i> 12-18-01 L. E. Ruud Date
---	--	---	---

¹ Class 1 modifications requiring prior Agency approval.

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

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

**Hanford Facility RCRA Permit Modification Notification Forms
for
1301-N Liquid Waste Disposal Facility
Part V, Chapter 17, Attachment 41**

Page 1 of 13

Index

Page 2 of 13:	Hanford Facility RCRA Permit, V.17.A.
Page 3 of 13:	Appendix A, Section A1.1
Page 4 of 13:	Appendix A, Section A1.2
Page 5 of 13:	Appendix A, Section A.2.1.10
Page 6 of 13:	Appendix A, Section A.4.1
Page 7 of 13:	Appendix A, Section A.4.3.1
Page 8 of 13:	Appendix A, Section A.4.3.2
Page 9 of 13:	Appendix A, Section A6.0
Page 10 of 13:	Appendix A, Attachment A-4
Page 11 of 13:	Appendix A, Attachment A-4
Page 12 of 13:	Appendix A, Attachment A-4
Page 13 of 13:	Appendix A, Attachment A-4-1

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.A.:

V.17.A. COMPLIANCE WITH APPROVED MODIFIED CLOSURE PLAN

The Permittees shall comply with all requirements set forth in the 1301-N Closure Plan found in Attachment 41 (DOE/RL-96-39, Rev. 0, Appendix A), including the Amendments specified in Condition V.17.A. 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 29, 1997

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

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 RI Program Office:	Reviewed by Ecology:	Reviewed by Ecology:
<i>T. E. Logan</i> 9/20/01 T. E. Logan Date	<i>M. S. McCormick</i> 10/7/01 M. S. McCormick Date	<i>J. B. Price</i> 12-5-01 J. B. Price Date	<i>L. E. Ruud</i> 12-18-01 L. E. Ruud Date

¹ Class 1 modifications requiring prior Agency approval.

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

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

Hanford Facility RCRA Permit Modification Notification Form

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

Description of Modification:

Remove and replace Appendix A with the attached Appendix A.

Appendix A, Section A1.1:

A1.1 REGULATORY BACKGROUND

The 1301-N and 1325-N units are operated by the U.S. Department of Energy (DOE), Richland Operations Office (RL), and co-operated by Bechtel Hanford, Inc. Although the U.S. Government holds legal title to this facility, the RL, for purposes of regulation under WAC 173-303, is considered the legal owner of the facility under existing U.S. Environmental Protection Agency (EPA) interpretive regulations (51 Federal Register 7722).

The Part A, Form 3, dangerous waste permit application documentation for 1301-N originally was submitted to the Washington State Department of Ecology (Ecology) and the EPA in August 1986. Documentation for the 1325-N LWDF originally was submitted in February 1987. Seven revisions of the Part A, Form 3, dangerous waste permit application documentation for these TSD units have been submitted. The latest revision (Revision 7) of each unit Part A is attached to this appendix (Attachments A-1 and A-2). Also, a State Environmental Policy Act (SEPA) checklist, pursuant to WAC 197-11-960, will be approved prior to incorporation of this closure plan into the Permit. A draft SEPA checklist is attached to this appendix (Attachment A-3).

The Part A identifies the listed waste spent solvent, methanol (F003), as being disposed to 1301-N and 1325-N. Any media or debris that came into contact with wastewaters disposed to these units may also, by definition, be considered to be a listed dangerous waste in lieu of an approved contained-in determination. The reason this is not stated definitively is because, federally, F003 spent solvents are no longer listed if they do not exhibit the characteristic of ignitability (40 CFR 261.3[a][2][iii]), however, a similar "exclusion" does not exist in State regulation. ~~It may be determined by Ecology that soils and debris generated during remediation of these units would not be defined as listed F003 waste if they are not ignitable.~~

~~Should the F003 waste code be attached to remediation-generated soils and debris, a contained-in request would be developed for generated waste in order to alleviate the need to comply with all substantive dangerous waste management standards. Methanol is not anticipated to be detectable in soils. An approved contained-in determination would redefine media and debris generated during closure activities as nonlisted waste where methanol concentrations are below a prescribed concentration considered protective of human health and the environment. A decision on the contained-in request would be needed prior to initiation of remediation activities. In a letter from Tom Eaton, Ecology, dated February 19, 1993, a contained-in policy was presented that will be used to formulate the request. Contained-in determinations have been granted at other TSD units on the Hanford Site under this policy. Soil samples taken from the 1325-N Trench resulted in non-detectable levels of methanol. The values reported for the nondetects range from 5.0 to 5.4 mg/kg and are well below the Model Toxics Control Act Method B cleanup of 400 mg/kg. Sampling of the 1301-N Crib was not conducted since it is considered to be analogous with the 1325-N Trench. In December 2000, Washington State Department of Ecology granted a contained-in determination for the soils located within the 1325-N and 1301-N Liquid Waste Disposal Facilities.~~

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 RL Program Office: <i>M. S. McCormick</i> M. S. McCormick	Reviewed by Ecology: <i>J. B. Price</i> J. B. Price	Reviewed by Ecology: <i>L. E. Ruud</i> L. E. Ruud
9/20/01 Date	10/1/01 Date	12-5-01 Date	12-15-01 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: 1301-N Liquid Waste Disposal Facility	Permit Part & Chapter: Part V, Chapter 17, Attachment 41
---	--

Description of Modification:

Remove and replace Appendix A with the attached Appendix A.

Appendix A, Section A1.2:

A1.2 CLOSURE PLAN AND CORRECTIVE MEASURES STUDY INTEGRATION

Closure of the 1301-N and 1325-N units will occur under the authority of WAC 173-303. These units are also defined under the 100-NR-1 OU and are part of this TSD CMS. Integrated TSD and OU closure actions will be necessary to remediate contaminated soil and groundwater. Actions taken to remediate these TSDs will comply with the provisions of both CERCLA and RCRA. The CERCLA public involvement, including public notice and opportunity to comment, has been enhanced to concurrently satisfy the RCRA closure process. The remedy selected under CERCLA will be incorporated into the Hanford Facility RCRA Permit as the RCRA closure action after issuance of the public notice and comment process.

It is anticipated that the CERCLA ROD will be ~~was~~ issued subsequent to the Hanford Facility RCRA Permit modification. Should the CERCLA ROD contain provisions inconsistent with the approved RCRA modifications, the Hanford Facility RCRA Permit will be again modified to reconcile these differences during the next permit modification cycle.

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>T. E. Logan</i> T. E. Logan	<i>M. S. McCormick</i> M. S. McCormick	<i>J. B. Price</i> J. B. Price	<i>L. E. Ruud</i> 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.

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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:

Remove and replace Appendix A with the attached Appendix A.
Appendix A, Section A.2.1.10.:

Within the Hanford Site are operational areas, including 100-N, to which access is restricted. There is a staffed checkpoint at the Wye Barricade (Figure 1-1 of this TSD CMS) through which access to the 100-N Area is allowed only to authorized personnel. Authorized personnel are those individuals with a DOE-issued security identification badge indicating the appropriate authorization. Such personnel are subject to a search of items carried into or out of controlled areas. ~~Unknowing entry to the 100-N Area is administratively prevented by postings on access roads that allow authorized access only. To preclude unknowing access into the 1301-N and 1325-N units and to minimize the possibility of entry by animals or by unauthorized individuals, the unit is surrounded by a chain link fence that has locked gate access. Also, posted at the unit are placards that read "Danger Unauthorized Personnel Keep Out."~~

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>T.E. Logan</i> 9/20/01 T. E. Logan Date	<i>M. S. McCormick</i> 10/2/01 M. S. McCormick Date	<i>J. B. Price</i> 12/05/01 J. B. Price Date	<i>L. E. Ruud</i> 12/12/01 L. E. Ruud Date

¹ Class 1 modifications requiring prior Agency approval.

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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:

Remove and replace Appendix A with the attached Appendix A.
Appendix A, Section A.4.1.:

The structures in 1301-N and 1325-N include concrete structures and earthen basins, and trenches, fencing and signage surrounding the units, and ancillary surface structures such as valve houses associated with piping. The 1301-N structures are discussed in Section 2.4.1 of the TSD CMS. Figure 2-5 shows the earthen crib structure, and Figure 2-6 shows the concrete weir box. Figures 2-8 and 2-9 illustrate the trench. Figures 2-10 through 2-13 show the trench cover support beams and cover panel configuration.

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 RL Program Office: <i>M. S. McCormick</i> M. S. McCormick	Reviewed by Ecology: <i>J. B. Price</i> J. B. Price	Reviewed by Ecology: <i>L. E. Ruud</i> L. E. Ruud
<i>9/20/01</i> Date	<i>Whitey</i> Date	<i>12-05-01</i> Date	<i>12-18-01</i> 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:

Remove and replace Appendix A with the attached Appendix A.

Appendix A, Section A.4.3.1:

A4.3.1 Past Soil Characterization Data

Data used to characterize the vadose zone soils were obtained from six boreholes drilled and sampled to support the 1301-N and 1325-N limited field investigation (LFI) (DOE-RL 1996c). Figure 2-32 of the TSD CMS shows the locations of these boreholes. Two of the boreholes are adjacent to 1301-N (199-N-107A and 199-N-108A), one is next to 1325-N (199-N-109A), and three are located northwest of 1301-N (199-N-75, 199-N-76, and 199-N-80) between that facility and the river. Samples were obtained from near the surface to a depth of up to 30.2 m (99 ft). All of these data are presented in the LFI.

In addition to the boreholes, sediment samples were collected from the 116-N-1 Crib. Data from these samples were not used in this evaluation because of insufficient QC associated with the sample collection process. Other soil samples have been collected from this vicinity, but most have only been analyzed for radionuclides.

Data from the characterization samples are summarized in Appendix A of the 1301-N and 1325-N LFI. These data indicate that chromium is the only metal of concern in vadose zone soils at 1301-N below 3.0/4.6 m (10/15 ft). Chromium exceeded background concentrations in data associated with 1301-N. Mercury is the only other metal that is included in the contaminants of concern (COCs), but no data from the boreholes at 1301-N and 1325-N are available to evaluate the presence or absence of this analyte in vadose zone soils. Therefore, it is retained as a COC in surface soils (0 to 3.0/4.6 m [10/15 ft]). However, as indicated in Appendix G of this TSD CMS, mercury will not reach groundwater in 1,000 years and therefore is not considered to be a constituent of concern for groundwater protection below 3.0/4.6 m (10/15 ft). Evaluation of nitrate concentrations in the soil is similarly limited because of a paucity of data, so that substance has been retained as a COC. Nitrate is a mobile constituent, and a nitrate plume exists in the groundwater. Therefore, nitrate is considered a COC for both surface and subsurface soils.

Data from the three boreholes located outside of these facilities indicate that no metals are above background values. One sample from the 150- to 180-cm (5- to 6-ft) interval in borehole 199-N-76 was analyzed for mercury, and its value is well below typical background concentrations. These data indicate that metals deposited in the TSDs did not migrate laterally in the vadose zone any substantial distance.

~~The organic analyte methanol is included in the COCs. It is considered a COC because of its inclusion in the Part A permit. Sampling during remediation did not detect the presence of methanol in the soil. The Washington State Department of Ecology granted a contained-in determination for methanol in December 2000. The LFI sampling was not analyzed for the presence of methanol, and methanol was not listed as detected in any other sampling efforts. Acetone, however, was detected in three samples collected from boreholes outside of the facilities, at concentrations up to 51 ppb. Organic analytes were not analyzed in samples collected within and adjacent to the TSD units; however, field screening using an organic vapor monitor did not detect any organic compounds. Acetone is a common laboratory contaminant, and most of the data reported by the laboratory are either at detection limit or are associated with a blank that contained detectable amounts of acetone. These circumstances cast doubt on the presence of detectable quantities of acetone in the wells outside the bounds of the TSD unit.~~

~~Additional sampling was performed in 1998 and is documented in the Data Summary Report (BHI 1999). Characterization of the sites were conducted through sampling in accordance with the Sampling Analysis Plan for the 100-NR-1 Treatment, Storage, and Disposal Units During Remediation Closure (DOE 2000a).~~

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>[Signature]</i> Date	Reviewed by RL Program Office: <i>[Signature]</i> 10/1/01 Date	Reviewed by Ecology: <i>[Signature]</i> 12-05-01 Date	Reviewed by Ecology: <i>[Signature]</i> 12-18-01 Date
F. E. Logan	M. S. McCormick	J. B. Price	L. E. Ruud

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

Description of Modification:

Remove and replace Appendix A with the attached Appendix A.

Appendix A, Section A4.3.2:

A4.3.2 Characterization Activities to Determine Closure Option

~~To determine the appropriate closure option for 1301 N and 1325 N in accordance with Condition II.K. of the Permit, sampling and analysis will be required to verify whether a modified closure option has been achieved.~~ ~~sampling and analysis plan (DOE 2000a) has been developed to support site closure.~~ As presented in Section A4.3.1 and in Table 4-17 of this TSD CMS, dangerous waste constituents are retained as constituents of concern in both surface soils and subsurface soils. All alternatives (other than the No-Action Alternative) will result in the removal of dangerous waste constituents above 3.0 m (10 ft) bgs for the modified CRCIA ranger/industrial exposure scenario and 4.6 m (15 ft) bgs for the rural-residential scenario. This will result in removal of all soils that could be contaminated at levels that present a direct exposure hazard as defined in MTCA. Verification sampling to determine MTCA direct soil exposure standard compliance will therefore not be required unless some areas around the units are not excavated and removed to the 3.0m and 4.6m level. Verification sampling will be performed on contaminants that may be present below 3.0 m or 4.6 m for the purposes of determining compliance with groundwater protection standards.

~~As part of the closure activities for these units, a data quality objectives (DQO) process will be initiated to define extent and type of sampling and analysis during and after excavation.~~ ~~The Data Quality Objectives process was used (BHI 2000) to define the extent and type of sampling and analysis required during excavation and closure.~~ This effort will define sampling issues which may include analytes of interest, sample location, number of samples, number and frequency of field QC samples (i.e., trip blanks, equipment blanks, splits, and duplicates), sampling methodology, analytical methods, laboratory protocols, laboratory validation, data error tolerances, and data evaluation methods. This DQO effort will culminate in an Ecology-approved sampling and analysis plan.

Alternative-specific sampling and analysis activities are as follows:

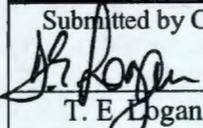
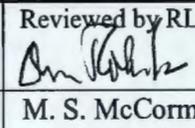
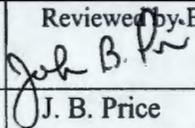
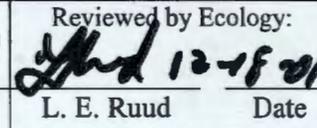
Modification Class: ¹²³	Class 1	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:	X			

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

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 RL Program Office:  M. S. McCormick	Reviewed by Ecology:  J. B. Price	Reviewed by Ecology:  L. E. Ruud
9/20/01 Date	10/13/01 Date	12-05-01 Date	12-18-01 Date

¹ Class 1 modifications requiring prior Agency approval.

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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:

Remove and replace Appendix A with the attached Appendix A.

Appendix A, Section A6.0:

A6.0 REFERENCES

J. B. Price, 2000, Letter, *Contained-in Determination for the 116-N-1 and 116-N-3 Soils*, to Glenn L. Goldberg, U.S. Department of Energy, December 27, 2000, Department of Ecology, Kennewick, Washington.

DOE/RL-2000-16, *Remedial Design/Remedial Action Work Plan*, Current Revision, U.S. Department of Energy, Richland, Washington.

DOE-RL, 2000, *Sampling and Analysis Plan for the 100-NR-1 Treatment, Storage, and Disposal Units During Remediation and Closeout*, DOE/RL-2000-07, Rev. 0, U.S. Department of Energy, Richland, Washington.

EPA, 2000, *Interim Remedial Action Record of Decision for the 100-NR-1 Operable Unit, Hanford Site, Benton County, Washington*, U.S. Environmental Protection Agency, Region 10, Seattle, Washington.

...

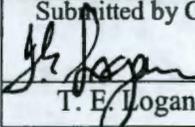
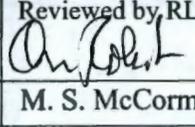
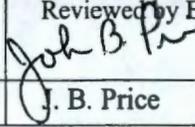
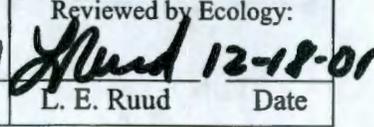
Modification Class: ¹²³	Class 1	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:	X			

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 RL Program Office:  M. S. McCormick	Reviewed by Ecology:  J. B. Price	Reviewed by Ecology:  L. E. Ruud
9/20/01 Date	11/7/01 Date	12-05-01 Date	12-18-01 Date

¹ Class 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:
1301-N Liquid Waste Disposal Facility

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

Description of Modification:

Remove and replace Appendix A with the attached Appendix A.

Appendix A, Attachment A-4:

Records Retention

This training plan includes employee training records. The employee training records are maintained electronically and are available on request ~~HLAN soft reporting~~. This training plan shall be kept at the Hanford Facility and be readily retrievable. A hard copy of any site-specific training that is not recorded ~~electronically in soft reporting~~ must be kept on file and be readily retrievable.

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>T. E. Logan</i> 9/20/01 T. E. Logan Date	<i>M. S. McCormick</i> 11/1/01 M. S. McCormick Date	<i>J. B. Price</i> 12-05-01 J. B. Price Date	<i>L. E. Ruud</i> 12-18-01 L. E. Ruud 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:

Remove and replace Appendix A with the attached Appendix A.

Appendix A, Attachment A-4:

Revision

This training plan will be revised whenever ~~training requirements in WAC 173-303-330 or the Hanford Dangerous Waste Permit are revised, or as needed.~~

- ~~Training courses change names or numbers;~~
- ~~Employees change positions;~~
- ~~New employees are assigned to 1324 N and 1324 NA~~
- ~~Training requirements in WAC 173-303-330 or the Hanford Daeagerous Waste Permit are revised..~~

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>T. E. Logan</i> T. E. Logan Date	<i>M. S. McCormick</i> M. S. McCormick Date	<i>J. B. Price</i> J. B. Price Date	<i>L. E. Ruud</i> L. E. Ruud Date
	11/12	12-05-01	12-18-01

¹ Class 1 modifications requiring prior Agency approval.

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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:

Remove and replace Appendix A with the attached Appendix A.

Appendix A, Attachment A-4:

Dangerous Waste Management Position Descriptions

This training plan applies only to employees who perform work at 1301-N and 1325-N or are 1301-N and 1325-N Coordinators. If employees fit into more than one position, they shall be placed in the position that requires the higher level of training. The Human Resource Division maintains required skills, education, and other qualifications for job title/positions. Specific information concerning job title/position, required skills, education and other qualifications for personnel can be provided upon request.

Job Title: Waste Handler

Duties: Perform inspections, treat wastes, perform treatability tests, take samples, package and ship waste, and respond to emergencies

~~Required Skills: Basic communication skills and ability to follow instructions~~

~~Required Education: None~~

~~Other Required Qualifications: None.~~

Job Title: General Workers

Duties: Perform inspections, respond to emergencies, provide maintenance services, operate equipment, and set up equipment

~~Required Skills: Basic communication skills and ability to follow instructions~~

~~Required Education: None~~

~~Other Required Qualifications: None.~~

Job Title: Supervisors

Duties: Supervise waste handlers and general workers, assure personnel training, perform inspections, and respond to emergencies

~~Required Skills: Management~~

~~Required Education: 4 year college degree or equivalent knowledge and experience~~

~~Other Required Qualifications: None~~

Job Title: Emergency Coordinators

Duties: Respond to emergencies per WAC 173-303-360

~~Required Skills: Management~~

~~Required Education: 4 year college degree or equivalent knowledge and experience~~

~~Other Required Qualifications: None.~~

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 RL Program Office: <i>M. S. McCormick</i> M. S. McCormick	Reviewed by Ecology: <i>J. B. Price</i> J. B. Price	Reviewed by Ecology: <i>L. E. Ruud</i> L. E. Ruud
Date: 9/20/01	Date: 10/17/01	Date: 12/05/01	Date: 12/12/01

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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:

Remove and replace Appendix A with the attached Appendix A.
Appendix A, Attachment A-4-1:

Communications

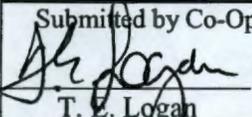
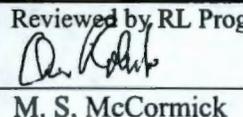
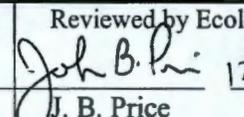
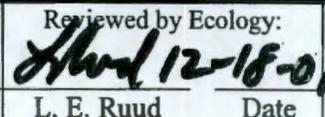
There are no fixed communication systems at 1301-N and 1325-N. Communication equipment may be obtained the 105-N Shift Manager from supervisory personnel when deemed necessary.

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:
 9/29/01	 10/1/01	 12-05-01	 12-18-01
T. E. Logan Date	M. S. McCormick Date	J. B. Price Date	L. E. Ruud Date

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**Hanford Facility RCRA Permit Modification Notification Forms
for
1325-N Liquid Waste Disposal Facility
Part V, Chapter 16, Attachment 41**

Page 1 of 13

Index

Page 2 of 13:	Hanford Facility RCRA Permit, V.16.A.
Page 3 of 13:	Appendix A, Section A1.1
Page 4 of 13:	Appendix A, Section A1.2
Page 5 of 13:	Appendix A, Section A.2.1.10
Page 6 of 13:	Appendix A, Section A.4.1
Page 7 of 13:	Appendix A, Section A.4.3.1
Page 8 of 13:	Appendix A, Section A.4.3.2
Page 9 of 13:	Appendix A, Section 6.0
Page 10 of 13:	Appendix A, Attachment A-4
Page 11 of 13:	Appendix A, Attachment A-4
Page 12 of 13:	Appendix A, Attachment A-4
Page 13 of 13:	Appendix A, Attachment A-4-1

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, Rev. 0, 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 June 30, 2001
- Section A2.1 General Description of Unit, from Class 1 Modifications for quarter ending June 30, 2001
- Section A3.0 Ground Water Monitoring, from Class 1 Modifications for quarter ending June 30, 2001
- Section A4.0 Closure, from Class 1 Modifications for quarter ending June 30, 2001
- Section A5.0 Post-closure Plan, from Class 1 Modifications for quarter ending June 30, 2001

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 RL Program Office: <i>M. S. McCormick</i> M. S. McCormick	Reviewed by Ecology: <i>John B. Price</i> J. B. Price	Reviewed by Ecology: <i>L. E. Ruud</i> L. E. Ruud
<i>9/24/01</i> Date	<i>10/1/01</i> Date	<i>12-08-01</i> Date	<i>12/18/01</i> 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:

Remove and replace Appendix A with the attached Appendix A.

Appendix A, Section A1.1:

A1.1 REGULATORY BACKGROUND

The 1301-N and 1325-N units are operated by the U.S. Department of Energy (DOE), Richland Operations Office (RL), and co-operated by Bechtel Hanford, Inc. Although the U.S. Government holds legal title to this facility, the RL, for purposes of regulation under WAC 173-303, is considered the legal owner of the facility under existing U.S. Environmental Protection Agency (EPA) interpretive regulations (51 Federal Register 7722).

The Part A, Form 3, dangerous waste permit application documentation for 1301-N originally was submitted to the Washington State Department of Ecology (Ecology) and the EPA in August 1986. Documentation for the 1325-N LWDF originally was submitted in February 1987. Seven revisions of the Part A, Form 3, dangerous waste permit application documentation for these TSD units have been submitted. The latest revision (Revision 7) of each unit Part A is attached to this appendix (Attachments A-1 and A-2). Also, a State Environmental Policy Act (SEPA) checklist, pursuant to WAC 197-11-960, will be approved prior to incorporation of this closure plan into the Permit. A draft SEPA checklist is attached to this appendix (Attachment A-3).

The Part A identifies the listed waste spent solvent, methanol (F003), as being disposed to 1301-N and 1325-N. Any media or debris that came into contact with wastewaters disposed to these units may also, by definition, be considered to be a listed dangerous waste in lieu of an approved contained-in determination. The reason this is not stated definitively is because, federally, F003 spent solvents are no longer listed if they do not exhibit the characteristic of ignitability (40 CFR 261.3[a][2][iii]), however, a similar "exclusion" does not exist in State regulation. ~~It may be determined by Ecology that soils and debris generated during remediation of these units would not be defined as listed F003 waste if they are not ignitable.~~

~~Should the F003 waste code be attached to remediation generated soils and debris, a contained in request would be developed for generated waste in order to alleviate the need to comply with all substantive dangerous waste management standards. Methanol is not anticipated to be detectable in soils. An approved contained in determination would redefine media and debris generated during closure activities as nonlisted waste where methanol concentrations are below a prescribed concentration considered protective of human health and the environment. A decision on the contained in request would be needed prior to initiation of remediation activities. In a letter from Tom Eaton, Ecology, dated February 19, 1993, a contained in policy was presented that will be used to formulate the request. Contained in determinations have been granted at other TSD units on the Hanford Site under this policy. Soil samples taken from the 1325-N Trench resulted in non-detectable levels of methanol. The values reported for the nondetects range from 5.0 to 5.4 mg/kg and are well below the Model Toxics Control Act Method B cleanup of 400 mg/kg. Sampling of the 1301-N Crib was not conducted since it is considered to be analogous with the 1325-N Trench. In December 2000, Washington State Department of Ecology granted a contained-in determination for the soils located within the 1325-N and 1301-N Liquid Waste Disposal Facilities.~~

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 Date: 9/20/01	Reviewed by RL Program Office: <i>M. S. McCormick</i> M. S. McCormick Date: 10/1/01	Reviewed by Ecology: <i>J. B. Price</i> J. B. Price Date: 12/05/01	Reviewed by Ecology: <i>L. E. Ruud</i> L. E. Ruud Date: 12/18/01
---	--	---	---

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:

Remove and replace Appendix A with the attached Appendix A.

Appendix A, Section A1.2:

A1.2 CLOSURE PLAN AND CORRECTIVE MEASURES STUDY INTEGRATION

Closure of the 1301-N and 1325-N units will occur under the authority of WAC 173-303. These units are also defined under the 100-NR-1 OU and are part of this TSD CMS. Integrated TSD and OU closure actions will be necessary to remediate contaminated soil and groundwater. Actions taken to remediate these TSDs will comply with the provisions of both CERCLA and RCRA. The CERCLA public involvement, including public notice and opportunity to comment, has been enhanced to concurrently satisfy the RCRA closure process. The remedy selected under CERCLA will be incorporated into the Hanford Facility RCRA Permit as the RCRA closure action after issuance of the public notice and comment process.

~~It is anticipated that~~ The CERCLA ROD will be ~~was~~ issued subsequent to the Hanford Facility RCRA Permit modification. Should the CERCLA ROD contain provisions inconsistent with the approved RCRA modifications, the Hanford Facility RCRA Permit will be again modified to reconcile these differences during the next permit modification cycle.

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>N.E. Logan</i> N.E. Logan Date	Reviewed by RI Program Office: <i>M.S. McCormick</i> M. S. McCormick Date	Reviewed by Ecology: <i>J. B. Price</i> J. B. Price Date	Reviewed by Ecology: <i>L. E. Ruud</i> L. E. Ruud Date
12/10/01	12/1/01	12-05-01	12/18/01

¹ Class 1 modifications requiring prior Agency approval.

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

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Hanford Facility RCRA Permit Modification Notification Form

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

Description of Modification:

Remove and replace Appendix A with the attached Appendix A.
Appendix A, Section A2.1.10.:

Within the Hanford Site are operational areas, including 100-N, to which access is restricted. There is a staffed checkpoint at the Wye Barricade (Figure 1-1 of this TSD CMS) through which access to the 100-N Area is allowed only to authorized personnel. Authorized personnel are those individuals with a DOE-issued security identification badge indicating the appropriate authorization. Such personnel are subject to a search of items carried into or out of controlled areas. ~~Unknowning entry to the 100 N Area is administratively prevented by postings on access roads that allow authorized access only. To preclude unknowing access into the 1301 N and 1325 N units and to minimize the possibility of entry by animals or by unauthorized individuals, the unit is surrounded by a chain link fence that has locked gate access. Also, posted at the unit are placards that read "Danger Unauthorized Personnel Keep Out."~~

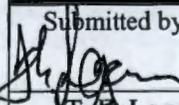
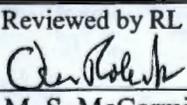
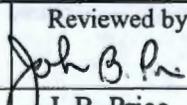
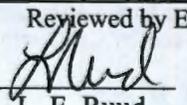
Modification Class: ¹²³	Class 1	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:	X			

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 RL Program Office:  M.S. McCormick	Reviewed by Ecology:  J. B. Price	Reviewed by Ecology:  L. E. Ruud
9/29/01 Date	10/1/01 Date	12/05/01 Date	12/12/01 Date

¹ Class 1 modifications requiring prior Agency approval.

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

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Hanford Facility RCRA Permit Modification Notification Form

Unit:
1325-N Liquid Waste Disposal Facility

Permit Part & Chapter:
Part V, Chapter 16, Attachment 41

Description of Modification:

Remove and replace Appendix A with the attached Appendix A.

Appendix A, Section A4.1.:

The structures in 1301-N and 1325-N include concrete structures and earthen basins, and trenches, fencing and signage surrounding the units, and ancillary surface structures such as valve houses associated with piping. The 1301-N structures are discussed in Section 2.4.1 of the TSD CMS. Figure 2-5 shows the earthen crib structure, and Figure 2-6 shows the concrete weir box. Figures 2-8 and 2-9 illustrate the trench. Figures 2-10 through 2-13 show the trench cover support beams and cover panel configuration.

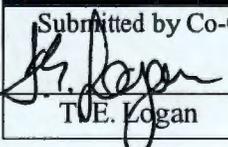
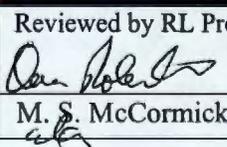
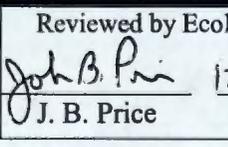
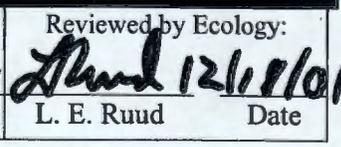
Modification Class: ¹²³	Class 1	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:	X			

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:
 T.E. Logan	 M. S. McCormick	 J. B. Price	 L. E. Ruud
Date	Date	Date	Date

¹ Class 1 modifications requiring prior Agency approval.

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

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

Hanford Facility RCRA Permit Modification Notification Form

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

Description of Modification:

Remove and replace Appendix A with the attached Appendix A.

Appendix A, Section A4.3.1.:

A4.3.1 Past Soil Characterization Data

Data used to characterize the vadose zone soils were obtained from six boreholes drilled and sampled to support the 1301-N and 1325-N limited field investigation (LFI) (DOE-RL 1996c). Figure 2-32 of the TSD CMS shows the locations of these boreholes. Two of the boreholes are adjacent to 1301-N (199-N-107A and 199-N-108A), one is next to 1325-N (199-N-109A), and three are located northwest of 1301-N (199-N-75, 199-N-76, and 199-N-80) between that facility and the river. Samples were obtained from near the surface to a depth of up to 30.2 m (99 ft). All of these data are presented in the LFI.

In addition to the boreholes, sediment samples were collected from the 116-N-1 Crib. Data from these samples were not used in this evaluation because of insufficient QC associated with the sample collection process. Other soil samples have been collected from this vicinity, but most have only been analyzed for radionuclides.

Data from the characterization samples are summarized in Appendix A of the 1301-N and 1325-N LFI. These data indicate that chromium is the only metal of concern in vadose zone soils at 1301-N below 3.0/4.6 m (10/15 ft). Chromium exceeded background concentrations in data associated with 1301-N. Mercury is the only other metal that is included in the contaminants of concern (COCs), but no data from the boreholes at 1301-N and 1325-N are available to evaluate the presence or absence of this analyte in vadose zone soils. Therefore, it is retained as a COC in surface soils (0 to 3.0/4.6 m [10/15 ft]). However, as indicated in Appendix G of this TSD CMS, mercury will not reach groundwater in 1,000 years and therefore is not considered to be a constituent of concern for groundwater protection below 3.0/4.6 m (10/15 ft). Evaluation of nitrate concentrations in the soil is similarly limited because of a paucity of data, so that substance has been retained as a COC. Nitrate is a mobile constituent, and a nitrate plume exists in the groundwater. Therefore, nitrate is considered a COC for both surface and subsurface soils.

Data from the three boreholes located outside of these facilities indicate that no metals are above background values. One sample from the 150- to 180-cm (5- to 6-ft) interval in borehole 199-N-76 was analyzed for mercury, and its value is well below typical background concentrations. These data indicate that metals deposited in the TSDs did not migrate laterally in the vadose zone any substantial distance.

The organic analyte methanol is included in the COCs. It is considered a COC because of its inclusion in the Part A permit. Sampling during remediation did not detect the presence of methanol in the soil. The Washington State Department of Ecology granted a contained-in determination for methanol in December 2000. The LFI sampling was not analyzed for the presence of methanol, and methanol was not listed as detected in any other sampling efforts. Acetone, however, was detected in three samples collected from boreholes outside of the facilities, at concentrations up to 51 ppb. Organic analytes were not analyzed in samples collected within and adjacent to the TSD units; however, field screening using an organic vapor monitor did not detect any organic compounds. Acetone is a common laboratory contaminant, and most of the data reported by the laboratory are either at detection limit or are associated with a blank that contained detectable amounts of acetone. These circumstances cast doubt on the presence of detectable quantities of acetone in the wells outside the bounds of the TSD unit.

Additional sampling was performed in 1998 and is documented in the *Data Summary Report* (BHI 1999). Characterization of the sites were conducted through sampling in accordance with the *Sampling Analysis Plan for the 100-NR-1 Treatment, Storage, and Disposal Units During Remediation Closure* (DOE 2000a).

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: <i>[Signature]</i> V. E. Logan	Reviewed by RL Program Office: <i>[Signature]</i> M. S. McCormick	Reviewed by Ecology: <i>[Signature]</i> J. B. Price	Reviewed by Ecology: <i>[Signature]</i> L. E. Ruud
Date	Date	Date	Date

¹ Class 1 modifications requiring prior Agency approval.

² This is only an advanced notification of an intended Class ¹ 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:
1325-N Liquid Waste Disposal Facility

Permit Part & Chapter:
Part V, Chapter 16, Attachment 41

Description of Modification:

Remove and replace Appendix A with the attached Appendix A.

Appendix A, Section A4.3.2:

A4.3.2 Characterization Activities to Determine Closure Option

To determine the appropriate closure option for 1301 N and 1325 N in accordance with Condition II.K. of the Permit, sampling and analysis will be required to verify whether a modified closure option has been achieved. ~~sampling and analysis plan (DOE 2000a) has been developed to support site closure.~~ As presented in Section A4.3.1 and in Table 4-17 of this TSD CMS, dangerous waste constituents are retained as constituents of concern in both surface soils and subsurface soils. All alternatives (other than the No-Action Alternative) will result in the removal of dangerous waste constituents above 3.0 m (10 ft) bgs for the modified CRCIA ranger/industrial exposure scenario and 4.6 m (15 ft) bgs for the rural-residential scenario. This will result in removal of all soils that could be contaminated at levels that present a direct exposure hazard as defined in MTCA. Verification sampling to determine MTCA direct soil exposure standard compliance will therefore not be required unless some areas around the units are not excavated and removed to the 3.0m and 4.6m level. Verification sampling will be performed on contaminants that may be present below 3.0 m or 4.6 m for the purposes of determining compliance with groundwater protection standards.

As part of the closure activities for these units, a data quality objectives (DQO) process will be initiated to define extent and type of sampling and analysis during and after excavation. The Data Quality Objectives process was used (BHI 2000) to define the extent and type of sampling and analysis required during excavation and closure. This effort will define sampling issues which may include analytes of interest, sample location, number of samples, number and frequency of field QC samples (i.e., trip blanks, equipment blanks, splits, and duplicates), sampling methodology, analytical methods, laboratory protocols, laboratory validation, data error tolerances, and data evaluation methods. This DQO effort will culminate in an Ecology-approved sampling and analysis plan.

Alternative-specific sampling and analysis activities are as follows:

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

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

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 Date	Reviewed by RL Program Office: <i>M. S. McCormick</i> M. S. McCormick Date	Reviewed by Ecology: <i>J. B. Price</i> J. B. Price Date	Reviewed by Ecology: <i>L. E. Ruud</i> L. E. Ruud Date
	<i>12/15/01</i>	<i>12-05-01</i>	<i>12-15-01</i>

¹ Class 1 modifications requiring prior Agency approval.

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

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Hanford Facility RCRA Permit Modification Notification Form

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

Description of Modification:

Remove and replace Appendix A with the attached Appendix A.
Appendix A, Section A6.0:

A6.0 REFERENCES

J. B. Price, 2000, Letter, *Contained-in Determination for the 116-N-1 and 116-N-3 Soils*, to Glenn L. Goldberg, U.S. Department of Energy, December 27, 2000, Department of Ecology, Kennewick, Washington.

DOE/RL-2000-16, *Remedial Design/Remedial Action Work Plan*, Current Revision, U.S. Department of Energy, Richland, Washington.

DOE-RL, 2000, *Sampling and Analysis Plan for the 100-NR-1 Treatment, Storage, and Disposal Units During Remediation and Closeout*, DOE/RL-2000-07, Rev. 0, U.S. Department of Energy, Richland, Washington.

EPA, 2000, *Interim Remedial Action Record of Decision for the 100-NR-1 Operable Unit, Hanford Site, Benton County, Washington*, U.S. Environmental Protection Agency, Region 10, Seattle, Washington.

...

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 Date	Reviewed by RL Program Office: <i>M. S. McCormick</i> M. S. McCormick Date	Reviewed by Ecology: <i>J. B. Price</i> J. B. Price Date	Reviewed by Ecology: <i>L. E. Ruud</i> L. E. Ruud Date
---	--	--	--

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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:

Remove and replace Appendix A with the attached Appendix A.

Appendix A, Attachment A-4:

Records Retention

This training plan includes employee training records. The employee training records are maintained electronically and are available on request ~~HLAN soft reporting~~. This training plan shall be kept at the Hanford Facility and be readily retrievable. A hard copy of any site-specific training that is not recorded ~~electronically in soft reporting~~ must be kept on file and be readily retrievable.

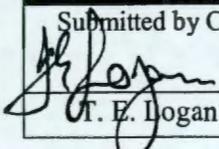
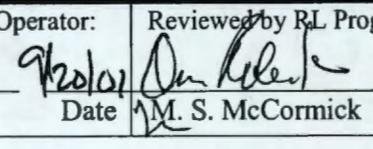
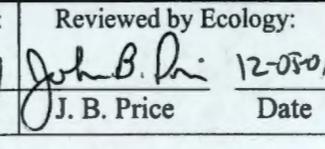
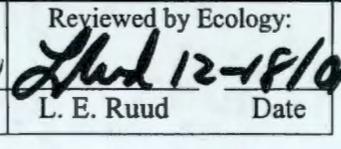
Modification Class: ¹²³	Class 1	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:	X			

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:
 T. E. Logan	 M. S. McCormick	 J. B. Price	 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.

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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:

Remove and replace Appendix A with the attached Appendix A.

Appendix A, Attachment A-4:

Revision

This training plan will be revised whenever ~~training requirements in WAC 173-303-330 or the Hanford Dangerous Waste Permit are revised, or as needed.~~

- ~~Training courses change names or numbers,~~
- ~~Employees change positions,~~
- ~~New employees are assigned to 1324 N and 1324 NA~~
- ~~Training requirements in WAC 173-303-330 or the Hanford Dangerous Waste Permit are revised.~~

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>I. E. Logan</i> I. E. Logan	Reviewed by RL Program Office: <i>M.S. McCormick</i> M.S. McCormick	Reviewed by Ecology: <i>J. B. Price</i> J. B. Price	Reviewed by Ecology: <i>L. E. Ruud</i> L. E. Ruud
9/20/01 Date	10/1/01 Date	12-05-01 Date	12-18-01 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:

Remove and replace Appendix A with the attached Appendix A.

Appendix A, Attachment A-4:

Dangerous Waste Management Position Descriptions

This training plan applies only to employees who perform work at 1301-N and 1325-N or are 1301-N and 1325-N Coordinators. If employees fit into more than one position, they shall be placed in the position that requires the higher level of training. The Human Resource Division maintains required skills, education, and other qualifications for job title/positions. Specific information concerning job title/position, required skills, education and other qualifications for personnel can be provided upon request.

Job Title: Waste Handler

Duties: Perform inspections, treat wastes, perform treatability tests, take samples, package and ship waste, and respond to emergencies

~~Required Skills: Basic communication skills and ability to follow instructions~~

~~Required Education: None~~

~~Other Required Qualifications: None.~~

Job Title: General Workers

Duties: Perform inspections, respond to emergencies, provide maintenance services, operate equipment, and set up equipment

~~Required Skills: Basic communication skills and ability to follow instructions~~

~~Required Education: None~~

~~Other Required Qualifications: None.~~

Job Title: Supervisors

Duties: Supervise waste handlers and general workers, assure personnel training, perform inspections, and respond to emergencies

~~Required Skills: Management~~

~~Required Education: 4 year college degree or equivalent knowledge and experience~~

~~Other Required Qualifications: None~~

~~Job Title: Emergency Coordinators~~

~~Duties: Respond to emergencies per WAC 173-303-360~~

~~Required Skills: Management~~

~~Required Education: 4 year college degree or equivalent knowledge and experience~~

~~Other Required Qualifications: None.~~

Modification Class: ¹²³

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

X			
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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 Date	Reviewed by RL Program Office: <i>M. S. McCormick</i> M. S. McCormick Date	Reviewed by Ecology: <i>J. B. Price</i> J. B. Price Date	Reviewed by Ecology: <i>L. E. Ruud</i> L. E. Ruud Date
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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:

Remove and replace Appendix A with the attached Appendix A.

Appendix A, Attachment A-4:

Communications

There are no fixed communication systems at 1301-N and 1325-N. Communication equipment may be obtained ~~the~~ 105-N Shift Manager from supervisory personnel when deemed necessary.

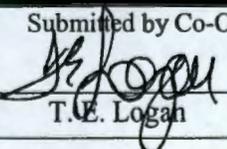
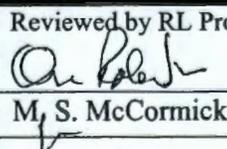
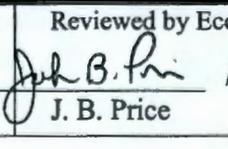
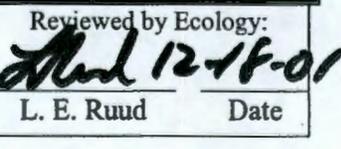
Modification Class: ¹²³	Class 1	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:	X			

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 RL Program Office:  M. S. McCormick	Reviewed by Ecology:  J. B. Price	Reviewed by Ecology:  L. E. Ruud
9/20/01 Date	10/1/01 Date	12-05-01 Date	12-18-01 Date

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