



Department of Energy
Richland Operations Office
P.O. Box 550
Richland, Washington 99352

0048567

JAN 08 1998

97-EAP-835

Mr. Moses N. Jaraysi
Program Manager
Nuclear Waste Program
State of Washington
Department of Ecology
1315 West Fourth Avenue
Kennewick, Washington 99336-6018



Dear Mr. Jaraysi:

QUARTERLY NOTIFICATION OF CLASS 1 MODIFICATIONS TO THE HANFORD FACILITY RESOURCE CONSERVATION AND RECOVERY ACT PERMIT (RCRA PERMIT), DANGEROUS WASTE PORTION (DW PORTION) (QUARTER ENDING DECEMBER 31, 1997 — PERMIT CONDITION I.C.3.)

Condition I.C.3. of the Hanford Facility RCRA Permit, (DW Portion), addresses Class 1 modifications as defined in Washington Administrative Code (WAC) 173-303-830(4)(a)(i)(A). This condition allows for quarterly notification of Class 1 modifications to be made to the State of Washington Department of Ecology (Ecology). These modifications are under implementation. A listing of these modifications is maintained in the Hanford Facility Operating Record. The Class 1 modifications are discussed as follows.

Enclosed for your notification is the Class 1 modification to the Hanford Facility RCRA Permit DW Portion. Modifications this quarter included updating information in Part III (Enclosure). Part III Class 1 modifications pertain to the 305-B Storage Facility. The Class 1 modifications are being made to ensure that all activities conducted are in compliance with the RCRA Permit DW Portion.

Should Ecology determine that the enclosed modifications do not qualify as Class 1 modifications as defined in WAC 173-303-830, written authorization to continue operations is requested until the appropriate level of modification can be accomplished.

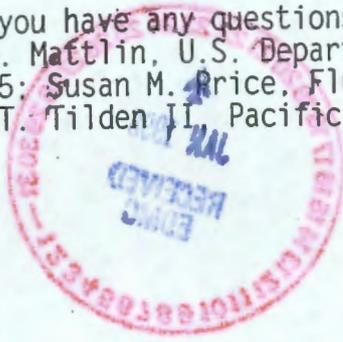
In accordance with a telephone conference held with Moses Jaraysi, of Ecology, on March 3, 1995, a transmittal letter signed by the permittees is sufficient to authorize the submittal of the Quarterly Notification of Class 1 Modifications to the Hanford Facility RCRA Permit (DW Portion) and to meet the intent of Permit Condition I.F., Signatory Requirement.

JAN 08 1998

Mr. Moses N. Jaraysi
97-EAP-835

-2-

Should you have any questions regarding this information, please contact Ellen M. Mattlin, U.S. Department of Energy, Richland Operations Office, on 376-2385; Susan M. Price, Fluor Daniel Hanford, Inc., on 376-1653; and Harold T. Tilden II, Pacific Northwest National Laboratory, on 376-0499.



Sincerely,

James E. Rasmussen, Director
Environmental Assurance, Permits,
and Policy Division
DOE Richland Operations Office

EAP:EMM

Kenneth C. Brog, Director
Environment, Safety, and Health
Pacific Northwest National Laboratory

Enclosure:
Class 1 Modifications to
the Hanford Facility
RCRA Permit (DW Portion)
(Quarter Ending December 31, 1997)

cc w/encl:

EDMC, H6-08

R. Jim, YIN

L. M. Johnson, BHI

R. J. Landon, BHI

D. Powaukee, NPT

S. M. Price, FDH

H. T. Tilden II, PNNL

J. R. Wilkinson, CTUIR

cc w/o encl:

W. E. Adair, FDH

K. C. Brog, PNNL

M. C. Hughes, BHI

D. R. Sherwood, EPA

E. R. Skinnarland, Ecology

Hanford Facility RCRA Permit Modification Notification
Part III, Chapter 2
305-B Storage Facility

Notification Forms
and
Replacement Pages (4-16, 4-17, 6-1, 6-5, 6-6, 6-9, and 7-15)

Page 1 of 15

Hanford Facility RCRA Permit Modification Notification Form

Unit: 305-B Storage Facility	Permit Part & Chapter: Part III, Chapter 2 [Figure 4-8, Page 4-16]
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Description of Modification:

Legend

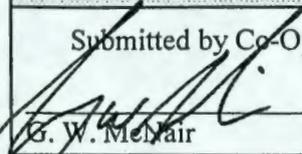
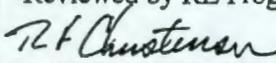
- 1 Flammable RMW Storage Module
- 2 Removable hatch cover for basement access (surrounded by railing)
- 3 Nonhazardous supplies storage
All PCB waste stored in cell 9 shall be stored in trays, or drum overpacks that meet all the requirements of 40 CFR 761.65(b)

Modification Class: ^{2,3} 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:

Administrative and informational changes.

Submitted by Co-Operator:  G. W. McFair Date: 12/10/97	Reviewed by RL Program Office:  R. F. Christensen Date: 1/5/98	Reviewed by Ecology: _____ 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 [Figure 4-9, Page 4-17]
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Description of Modification:

Cell 7 Legend

- 7A Poisons
- 7B Oxidizers
- 7C Class 9
- 7D Washington Only
- 7E Flammable Solids
- 7F Corrosive Base
- 7G Corrosive Acid
- 7H Corrosive
- 7I Corrosive Acid
- 7J PCB's
- 7K Washington Only / Class 9

HOOD 121.9 cm L x 54.2 cm D x 228.6 cm H

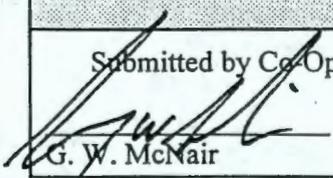
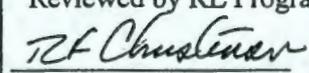
All PCB waste stored in Cell 7 will be segregated according to chemical compatibility, and stored in any of the four stainless steel container pans that complying with 40CFR 761.65(b).

Modification Class: ^{2,3} 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:

Administrative and informational changes.

Submitted by Co-Operator:  G. W. McNair Date: 12/10/97	Reviewed by RL Program Office:  R. F. Christensen Date: 1/5/98	Reviewed by Ecology: _____ 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: 305-B Storage Facility	Permit Part & Chapter: Part III, Chapter 2 [Section 6.1, Page 6-1]
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Description of Modification:

6.1 SECURITY [F-1]

Security for 305-B is provided by a combination of the overall security system for the 300 Area, and a specific security system for the waste storage unit. The former controls access to the 300 Area proper, while the latter controls access to 305-B.

The 305-B Storage Unit is located within the Hanford 300 Area. As part of the Hanford Site, the 300 Area is subject to a restricted access and personnel security system for the protection of Government property, classified information, and special nuclear materials. The 300 Area is a controlled access area with access limited to persons authorized to enter and having appropriate security clearances or escorts.

The security program for 305-B, in addition to 300 Area access, is designed to limit building access to those personnel within the 300 Area authorized to enter the unit. Access to 305-B can be gained through five walk-in doors, and two large roll up doors which facilitate loading and unloading activities. All doors to 305-B are kept locked at all times except when in use. All requests for keys are reviewed and approved by the unit operating supervisor and the building manager, and a record of the personnel issued keys is kept in the Operating Record at all times.

Keys to the unit are issued only to unit personnel, security personnel, and emergency response personnel. ~~One maintenance worker, who only enters the office areas, also is issued a key.~~ Any additions to this list are approved by the unit operating supervisor, the line manager, and the building manager and are noted in the operating record of the unit.

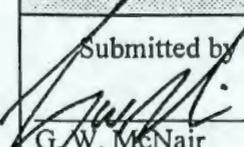
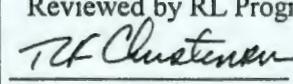
Specific aspects of the security programs for both the 300 Area and 305-B Storage Unit are described in more detail below.

Modification Class: ²³ 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:

Administrative and informational changes.

Submitted by Co-Operator:  G. W. McNair	Date 12/10/97	Reviewed by RL Program Office:  R. F. Christensen	Date 1/5/98	Reviewed by Ecology: 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: 305-B Storage Facility	Permit Part & Chapter: Part III, Chapter 2 [Figure 6-2, Page 6-5]
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Description of Modification:

Weekly Inspection Form
305-B Chemical Waste Storage Unit

Waste Containment Locations (Y=Yes, N=No)

Earliest PCB Accumulation Date in Cell 2: _____ Earliest RMW PCB Accumulation Date: _____

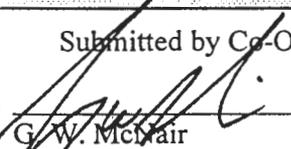
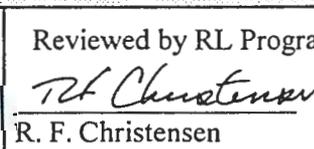
Cell: ...

Modification Class: ²³ please check one of the Classes:	Class 1	Class ¹ 1	Class 2	Class 3
	X			

Relevant WAC 173-303-830, Appendix I Modification:

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

Administrative and informational changes.

Submitted by Co-Operator:  G. W. McVair Date: 12/10/97	Reviewed by RL Program Office:  R. F. Christensen Date: 1/5/98	Reviewed by Ecology: _____ Date
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¹Class 1 modifications requiring prior Agency approval.

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

Hanford Facility RCRA Permit Modification Notification Form

Unit: 305-B Storage Facility	Permit Part & Chapter: Part III, Chapter 2 [Figure 6-2, Page 6-6]
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Description of Modification:

**Weekly Inspection Form
continued**

Emergency Equipment and Supplies (Y=Yes, N=No)

- north eyewash safety shower: clear access and operational? _____
- south eyewash safety shower: clear access and operational? _____
- portable eyewash outside of east bay door pressurized? _____
- spill control station stocked for acid, base, solvent and other spills? _____
- fire extinguishers (8) inspected and have clear access? _____
- facility phone (376-4293) operational? _____
- facility public address system (376-1885) operational? _____
- formaldehyde spill kit (Cell 1) fully stocked with 11 lbs neutralizer? _____
- Station 8 radio operational (office 3)? _____

Personnel Protective Equipment (Y=Yes, N=No)

Corrective Action and/or Clean-up Performed . . .

Modification Class: ²³

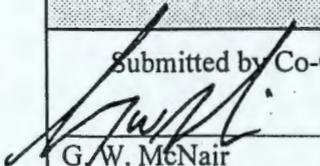
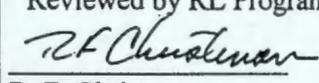
please check one of the Classes:

Class 1	Class ¹ 1	Class 2	Class 3
X			

Relevant WAC 173-303-830, Appendix I Modification:

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

Administrative and informational changes.

Submitted by Co-Operator:  G. W. McNair Date: 12/10/97	Reviewed by RL Program Office:  R. F. Christensen Date: 1/5/98	Reviewed by Ecology: _____ Date
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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 [Figure 6-2, Page 6-6]
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Description of Modification:

**Weekly Inspection Form
continued**

Emergency Equipment and Supplies (Y=Yes, N=No) north eyewash safety shower: clear access and operational? _____ south eyewash safety shower: clear access and operational? _____ portable eyewash outside of east bay door pressurized? _____ spill control station stocked for acid, base, solvent and other spills? _____ fire extinguishers (8) inspected and have clear access? _____ facility phone (376-4293) operational? _____ facility public address system (376-1885) operational? _____ formaldehyde spill kit (Cell 1) fully stocked with 11 lbs neutralizer? _____ Station 8 radio operational (office 3)? _____	Personnel Protective Equipment (Y=Yes, N=No) _____ _____ _____ _____ _____ _____ _____
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Corrective Action and/or Clean-up Performed . . .

Modification Class: ^{2,3} 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.3.

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

Equipment replacement or upgrade with functionally equivalent components (e.g., pipes, valves, pumps, conveyors, controls).

Submitted by Co-Operator: G. W. McNair Date: 12/10/97	Reviewed by RL Program Office: R. F. Christensen Date: 1/5/98	Reviewed by Ecology: _____ Date
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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 [Section 6.3.1.1., Page 6-9]
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Description of Modification:

6.3.1.1 Internal Communications [F-3a(1)]. Internal communication systems are used to provide immediate emergency instruction to personnel in 305-B. Internal communications address general emergencies which may occur in the 300 Area as well as specific emergencies which may occur in 305-B.

Because of the nature of activities which occur in the 300 Area, the potential exists for emergencies outside of 305-B (e.g., release of radioactive materials) which could impact operations and staff in 305-B. For this reason, the general emergency signals for the 300 Area are applicable to 305-B. These signals are summarized in Table 6-1. Fire alarm signals are located in each building throughout the 300 Area. The nearest emergency siren for "area evacuation" and "take cover" is located 300 yards southeast of 305-B, on top of the 326 Building, and is audible in all parts of 305-B. Because fissile materials are not handled in 305-B, there is no criticality alarm for the unit.

Internal communications to provide emergency instruction in the event of an emergency in 305-B are fire alarms, public address (PA) system, and telephones. The fire alarms are to be used to provide notification for immediate evacuation of 305-B. Fire alarm pull boxes are located at all exits of the facility such that operating personnel have immediate access to one in all portions of 305-B. Four fire alarm bells are located within the 305-B and are audible at all locations within the building. The locations of the fire alarm bells are shown in Figure 6-4 and are as follows: (1) an office wing on the northeast hall; (2) an office wing next to the east entrance; (3) on the south wall of the basement; and (4) on the northwest wall of the high bay. The PA system is to be used for building-wide broadcasting of verbal emergency instructions to 305-B staff. The PA system can be accessed from any unit telephone by dialing 6-1885. The PA system speakers are located in the high bay, in the basement, and in the office wing of 305-B.

The telephone system is to be used to provide verbal emergency instructions to 305-B staff. The telephone can also be used to verbally transmit emergency data to non-305-B staff, and to request emergency services. A network of telephones covers both floors of the facility. Locations of telephones are shown in Figure 6-4. In addition to the telephone communication system at 305-B, operating personnel have access to eight hand-held radios, six inside the storage facility and one in each of two vehicles assigned to the facility. All of the radios transmit at the same frequency, and are capable of summoning PNNL's security control room in case of an emergency. In addition to the telephone communication system at 305-B, operation personal have access to hand held radios, as well as one in each vehicle assigned to the facility.

Modification Class: ^{2,3} 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.3.**

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

 Equipment replacement or upgrade with functionally equivalent components (e.g., pipes, valves, pumps, conveyors, controls).

Submitted by Co-Operator: G. W. McNair	Reviewed by RL Program Office: R. F. Christensen	Reviewed by Ecology: _____
12/10/97 Date	1/5/98 Date	_____ Date

¹Class 1 modifications requiring prior Agency approval.

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

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

Hanford Facility RCRA Permit Modification Notification Form

Unit: 305-B Storage Facility	Permit Part & Chapter: Part III, Chapter 2 [Section 7.5.4., Page 7-15]
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Description of Modification:

7.5.4 Spill Control and Containment Supplies

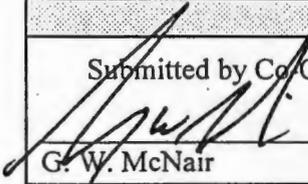
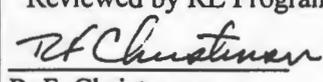
Supplies of absorbent pillows are located in the high bay operating area near the east entrance. These pillows absorb organic or inorganic materials and have a rated absorption capacity of approximately one liter of waste each. They may be used for barriers to contain liquid spills as well as for absorbent purposes. The work area also has an ample supply of diatomaceous earth for absorption of liquid waste spills. Neutralizing absorbent is available for response to acid or caustic spills. A supply of empty drums (~~DOT 17E tight head and DOT 17H open head~~) (DOT UN1A1 closed head and DOT UN1A2 open head) and salvage drums (overpacks) is maintained in the high bay area along with brooms, shovels, and miscellaneous spill response supplies.

Modification Class: ²³ 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:

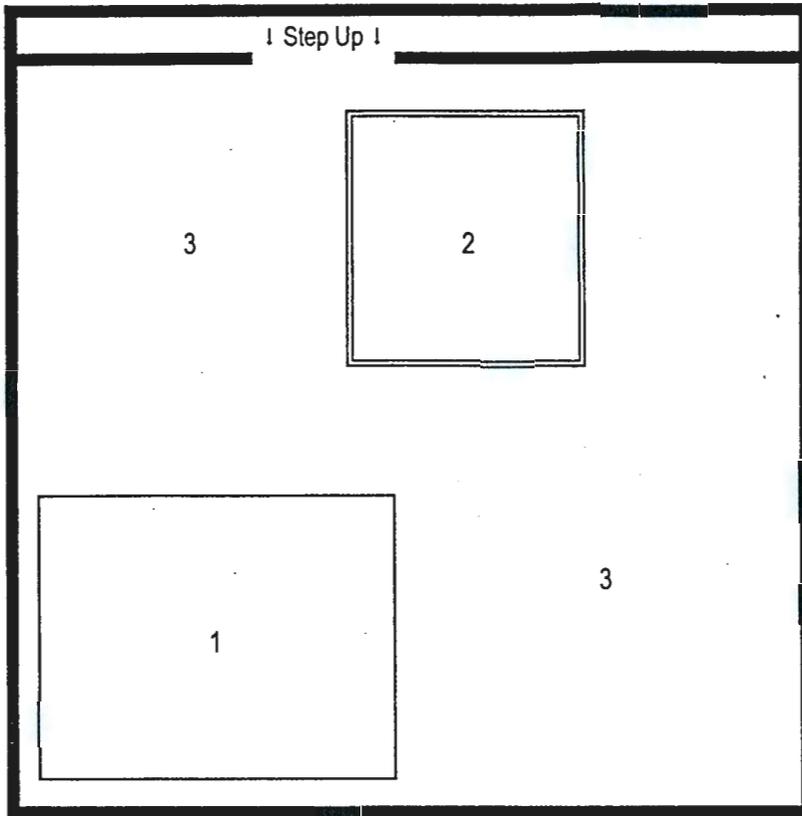
Administrative and informational changes.

Submitted by Co-Operator:  G. W. McNair Date: 12/10/97	Reviewed by RL Program Office:  R. F. Christensen Date: 1/5/98	Reviewed by Ecology: _____ 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.

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.

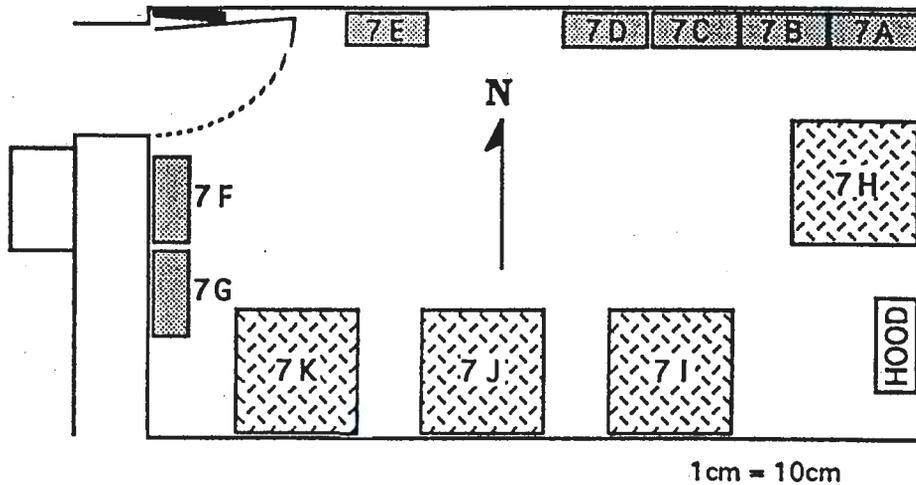


Scale: 1/4"=1" prox.

LEGEND

- 1 Flammable RMW Storage Module
- 2 Removable hatch cover for basement access (surrounded by railing)
- 3 Nonhazardous supplies storage
All PCB waste stored in Cell 9 shall be stored in trays, or drum overpacks that meet all the requirements of 40 CFR 761.65(b).

Figure 4-8. Flammable Radioactive Mixed Waste Storage Area.



Cell 7 Legend

- 7A Poisons
 - 7B Oxidizers
 - 7C Class 9
 - 7D Washington Only
 - 7E Flammable Solids
 - 7F Corrosive Base
 - 7G Corrosive Acid
 - 7H Corrosive
 - 7I Corrosive Acid
 - 7J PCB's
 - 7K Washington Only / Class 9
- HOOD 121.9 cm L x 54.2 cm D x 228.6 cm H

All PCB waste stored in Cell 7 will be segregated according to chemical compatibility, and stored in any of the four stainless steel container pans that complying with 40CFR 761.65(b).

Figure 4-9. Radioactive Mixed Waste Storage.

6.0 PROCEDURES TO PREVENT HAZARDS [F]

The 305-B Storage Unit is operated to minimize exposure of the general public and operating personnel to dangerous and mixed wastes.

6.1 SECURITY [F-1]

Security for 305-B is provided by a combination of the overall security system for the 300 Area, and a specific security system for the waste storage unit. The former controls access to the 300 Area proper, while the latter controls access to 305-B.

The 305-B Storage Unit is located within the Hanford 300 Area. As part of the Hanford Site, the 300 Area is subject to a restricted access and personnel security system for the protection of Government property, classified information, and special nuclear materials. The 300 Area is a controlled access area with access limited to persons authorized to enter and having appropriate security clearances or escorts.

The security program for 305-B, in addition to 300 Area access, is designed to limit building access to those personnel within the 300 Area authorized to enter the unit. Access to 305-B can be gained through five walk-in doors, and two large roll up doors which facilitate loading and unloading activities. All doors to 305-B are kept locked at all times except when in use. All requests for keys are reviewed and approved by the unit operating supervisor and the building manager, and a record of the personnel issued keys is kept in the Operating Record at all times.

Keys to the unit are issued only to unit personnel, security personnel, and emergency response personnel. Any additions to this list are approved by the unit operating supervisor, the line manager, and the building manager and are noted in the operating record of the unit.

Specific aspects of the security programs for both the 300 Area and 305-B Storage Unit are described in more detail below.

6.1.1 Security Procedures and Equipment [F-1a]

The following sections describe the 24-hour surveillance system, barrier, and warning signs used to provide security and control access to the 305-B Storage Unit.

6.1.1.1 24-Hour Surveillance System [F-1a(1)]. The 305-B unit does not maintain a 24-hour surveillance system. Entrances to the building are kept locked except when the building is in use to prevent unauthorized access. Normal working hours for the unit are 8:00 A.M. to 4:30 P.M. Monday through Friday except holidays. The Hanford Patrol maintains frequent drive-by surveillance of the 300 Area buildings, including 305-B, on a 24-hour basis to ensure that no unauthorized access to the area has occurred.

Weekly Inspection Form
305-B Chemical Waste Storage Unit

Inspector Name (print): _____ Inspector Signature: _____ Time/Date: _____

Co-Inspector Name (print): _____ Co-Inspector Signature: _____ Time/Date: _____

Waste Containment Locations (Y=Yes, N=No)

Earliest PCB Accumulation Date in Cell 2: _____

Cell:	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Oxidizer Acids	Poison, PCB Class 9	Caustic WSDW Non-Reg.	Flammable, Combustible, Aerosols	Flammable Bulking Cylinders	Asbestos	Non-Flammable RMW	Flammable Drum Storage	Flammable RMW	Non-Reg. Yard	WSDW, Class 9 Non-Reg. Drums	Oxidizer Drums	Acid Drums	Alkaline Drums
container integrity good?														
containers properly sealed?														
containers property labeled?														
containers properly segregated?														
floor free of major cracks/gaps?														
sumps empty and dry?														

minimum aisle space present? _____ (44" leading to building exits, 36" all other aisles per NFPA 101, UBS 3315(b)1 and WAC 173-303)

inventory below 30,000 gallon design capacity? _____ Estimated Volume = _____ gallons

inventory below UBC Class B limits? _____ (<480 gallons 1-A, 1-B, 1-C total and/or <240 gallons 1B)

daily inspections logged? _____

Figure 6-2. Weekly Inspection Checklist Form. (Page 1 of 2)
6-5

1 **6.2.2.4 Surface Impoundment Inspection [F-2b(4)].** This section does not apply to the 305-B Storage Unit
2 because wastes are not placed in surface impoundments.

3
4 **6.2.2.5 Incinerator Inspection [F-2b(5)].** This section does not apply to the 305-B Storage Unit because wastes
5 are not incinerated.

6
7 **6.2.2.6 Landfill Inspection [F-2b(6)].** This section does not apply to the 305-B Storage Unit because wastes are
8 not placed in landfills.

9
10 **6.2.2.7 Land Treatment Facility Inspection [F-2b(7)].** This section does not apply to the 305-B Storage Unit
11 because wastes are not treated in land treatment units.

12
13 **6.3 WAIVER OR DOCUMENTATION OF PREPAREDNESS AND PREVENTION REQUIREMENTS [F-3]**

14
15 The following documents the preparedness and prevention measures taken at the 305-B Storage Unit.

16
17 **6.3.1 Equipment Requirements [F-3a]**

18
19 The following sections describe the internal and external communications and emergency equipment in use at
20 305-B.

21
22 **6.3.1.1 Internal Communications [F-3a(1)].** Internal communication systems are used to provide immediate
23 emergency instruction to personnel in 305-B. Internal communications address general emergencies which may
24 occur in the 300 Area as well as specific emergencies which may occur in 305-B.

25
26 Because of the nature of activities which occur in the 300 Area, the potential exists for emergencies outside of 305-B
27 (e.g., release of radioactive materials) which could impact operations and staff in 305-B. For this reason, the general
28 emergency signals for the 300 Area are applicable to 305-B. These signals are summarized in Table 6-1. Fire
29 alarm signals are located in each building throughout the 300 Area. The nearest emergency siren for "area
30 evacuation" and "take cover" is located 300 yards southeast of 305-B, on top of the 326 Building, and is audible in all
31 parts of 305-B. Because fissile materials are not handled in 305-B, there is no criticality alarm for the unit.

32
33 Internal communications to provide emergency instruction in the event of an emergency in 305-B are fire alarms,
34 public address (PA) system, and telephones. The fire alarms are to be used to provide notification for immediate
35 evacuation of 305-B. Fire alarm pull boxes are located at all exits of the facility such that operating personnel have
36 immediate access to one in all portions of 305-B. Four fire alarm bells are located within the 305-B and are audible
37 at all locations within the building. The locations of the fire alarm bells are shown in Figure 6-4 and are as follows:
38 (1) an office wing on the northeast hall; (2) an office wing next to the east entrance; (3) on the south wall of the
39 basement; and (4) on the northwest wall of the high bay. The PA system is to be used for building-wide
40 broadcasting of verbal emergency instructions to 305-B staff. The PA system can be accessed from any unit
41 telephone by dialing 6-1885. The PA system speakers are located in the high bay, in the basement, and in the office
42 wing of 305-B.

43
44 The telephone system is to be used to provide verbal emergency instructions to 305-B staff. The telephone can also
45 be used to verbally transmit emergency data to non-305-B staff, and to request emergency services. A network of
46 telephones covers both floors of the facility. Locations of telephones are shown in Figure 6-4. In addition to the
47 telephone communication system at 305-B, operation personnel have access to the hand held radios, as well as one
48 in each vehicle assigned to the facility.

1 Protective clothing and respiratory protective equipment are maintained at the facility for use during both routine and
2 emergency operations. This protective equipment includes at a minimum:

- 3
- 4 • 6 sets of chemically resistant suits, aprons, boots, and gloves
 - 5 • 20 protective glasses
 - 6 • 5 pair chemical goggles
 - 7 • 4 face shields
 - 8 • 4 full face respirators
 - 9 • Respirator cartridges (variety)
 - 10 • 3 self contained breathing apparatus (30 minute type)
- 11

12 This protective equipment is stored in cabinets located outside of the high bay east entrance. Personnel assigned to
13 305-B are available to assist other trained personnel (e.g., firefighters) in emergency situations or possible
14 Immediately Dangerous to Life or Health (IDLH) spill cleanup situations.

15 7.5.4 Spill Control and Containment Supplies

16

17

18 Supplies of absorbent pillows are located in the high bay operating area near the east entrance. These pillows
19 absorb organic or inorganic materials and have a rated absorption capacity of approximately one liter of waste each.
20 They may be used for barriers to contain liquid spills as well as for absorbent purposes. The work area also has an
21 ample supply of diatomaceous earth for absorption of liquid waste spills. Neutralizing absorbent is available for
22 response to acid or caustic spills. A supply of empty drums (DOT UN1A1 closed head and DOT UN1A2 open head)
23 and salvage drums (overpacks) is maintained in the high bay area along with brooms, shovels, and miscellaneous
24 spill response supplies.

25 7.5.5 Hanford Site Emergency Equipment

26

27

28 The Hanford Site has fire and patrol personnel trained and equipped to respond in emergency situations. These
29 personnel are employees of the site operating contractor. The Hanford Fire Department's Hazardous Material
30 Response Team is trained for mobilization and control of hazardous material emergencies. The Hanford Fire
31 Department will take control of the incident scene until the incident is under control and personnel rescue is
32 complete. A list of available equipment for hazardous materials responses available through the Hazardous Material
33 Response Team is given in Appendix 6A.

34

35 The Hanford Patrol provides support to the Fire Department during an incident, including such activities as activation
36 of area crash alarm telephone systems or area sirens (for evacuation or take cover), access control, traffic control,
37 and emergency notifications.

38

39 If an emergency threatens other facilities and/or there is a danger of release of hazardous materials to the
40 environment, the 300 Area ECC will be activated. The ECC will provide any assistance requested by the BED,
41 coordinate protective response actions and notifications, and furnish any necessary technical assistance.

42 7.6 COORDINATION AGREEMENTS [G-6]

43

44

45 This section refers to a number of coordination agreements "Memorandum of Understanding" and (MOU)
46 established by and through DOE-RL to assure proper response resources availability for incidents involving the
47 305-B unit.

48