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STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

3100 Port of Benton Blvd • Richland, WA 99352 • (509) 372-7950

February 29, 2008

Ms. Shirley J. Olinger, Manager
Office of River Protection
United States Department of Energy
P.O. Box 450, MSIN: H6-60
Richland, Washington 99352

Mr. William S. Elkins, Project Director
Bechtel National, Inc.
2435 Stevens Center Place, MSIN: H4-02
Richland, Washington 99354

Re: Submittal of Hanford Facility RCRA Permit Modification Notification Form
24590-LAW-PCN-ENV-08-001; Class 1 Modification to the Hanford Facility Resource
Conservation and Recovery Act (RCRA) Permit, Dangerous Waste Portion, for the
Treatment, Storage, and Disposal of Dangerous Waste, Part III, Operating Unit 10
(Waste Treatment and Immobilization Plant), WA7890008967

Dear Ms. Olinger and Mr. Elkins:

The Department of Ecology approves the referenced Class 1 Modification submitted
February 20, 2008. The approved Hanford Facility RCRA Permit Modification Notification
Form is enclosed.

Modification 24590-LAW-PCN-ENV-08-001 provides the updated *LAW Facility Sump Data*
document (24590-LAW-PER-M-02-001, Revision 5). This replaces the current permit *LAW*
Facility Sump Data document in Appendix 9.5.

If there are any questions, contact me at 509-372-7882 or Tracy Gao at 509-372-7901.

Sincerely,

Brenda Becker-Khaleel
WTP Permit Writer
Nuclear Waste Program

aah/jc
Enclosure

cc: See next page

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Ms. Olinger and Mr. Elkins
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cc electronic w/enc:

- Dave Bartus, EPA
- John Eschenberg, USDOE
- Lori Huffman, USDOE
- Tony McKarns, USDOE
- Gae Neath, USDOE
- Don Sommer, USDOE
- William Taylor, USDOE
- Julie Colby, BNI
- Brad Erlandson, BNI
- Peggy Fisher, BNI
- Stan Hill, BNI
- Dennis Klein, BNI
- Sandi Murdock, BNI
- Suzette Thompson, FHI
- Phil Peistrup, WGI

cc w/enc:

- Administrative Record: Tank Waste Treatment Requirements ✓
- Environmental Portal
- Hanford Operating Record General File
- USDOE-ORP Correspondence Control

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Quarter Ending March 31, 2008

24590-LAW-PCN-ENV-08-001

Hanford Facility RCRA Permit Modification Notification Form

Part III, Operating Unit 10

Waste Treatment and Immobilization Plant

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Page 2 of 3: Hanford Facility RCRA Permit, Part III, Operating Unit 10, Waste Treatment and Immobilization Plant
Update "LAW Facility Sump Data" document in Appendix 9.5 of the Dangerous Waste Permit.

Submitted by Co-Operator:

Reviewed by ORP Program Office:

D. A. Klein

1/28/08

S. J. Olinger

2/19/08

D. A. Klein

Date

S. J. Olinger

Date

Quarter Ending March 31, 2008

24590-LAW-PCN-ENV-08-001

Hanford Facility RCRA Permit Modification Notification Form

Unit: Waste Treatment and Immobilization Plant	Permit Part & Chapter: Part III, Operating Unit 10
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Description of Modification:

The purpose of this Class 1 modification is to update the "LAW Facility Sump Data" document. The following permit document is submitted to replace the document currently in Appendix 9.5 of the permit.

Appendix 9.5			
Replace:	24590-LAW-PER-M-02-001, Rev. 4	With:	24590-LAW-PER-M-02-001, Rev. 5

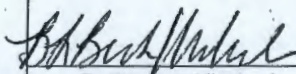
This modification requests Ecology approval and incorporation into the permit of the changes described below. These revisions are the result of ongoing design. The following summarizes the changes to the attached permit document.

LAW Facility Sump Data (24590-LAW-PER-M-02-001)

- The depth of six sumps (RLD-SUMP-00029, 30, 31, 32, 35 and 36) were changed from 15 inches to 12 inches to reflect the as-built condition.
- The specific alloy for sump fabrication is identified in Table 1 (alternate alloy has been deleted)
- Editorial changes were made to sections 3.1.1. and 3.2.6 for readability/clarity.
- Maximum drain flow values shown in Table 2 have decreased from 30 gal/min to 10 gal/min for:
 - o Double-Walled Piping Outer Containment Drains in room L-B001B, C3/C5 area;
 - o Melter Feed Line Encasement Assembly (LMP-LDB-00001 drain) in room L-0123, Process Cell East End Sump;
 - o Melter Feed Line Encasement Assembly (LMP-LDB-00002 drain) in room L-0124, Process Cell East End Sump.
- Maximum drain flow value shown in Table 2 has increased from 30 gal/min to 60 gal/min for the Primary Offgas (LOP) Melter 2 Valve Bulge Drain in room L-0124, Process Cell West End Sump.
- This was a complete document revision, therefore, no change bars are shown in the revised document.

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

Enter Relevant WAC 173-303-830, Appendix I Modification citation number: A.1. and A.3.
 Enter wording of WAC 173-303-830, Appendix I Modification citation:
A.1. Administrative and informational changes; A.3. Equipment replacement or upgrading with functionally equivalent components.

Modification Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (state reason for denial) Reason for denial:	Reviewed by Ecology:  B. Becker-Khaleel
	2/29/08 Date

¹ Class 1 modifications requiring prior Agency approval.

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