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STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

3100 Port of Benton Blvd • Richland, WA 99354 • (509) 372-7950

September 28, 2009

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. Ted C. Feigenbaum, Project Director
Bechtel National, Inc.
2435 Stevens Center Place, MSIN: H4-02
Richland, Washington 99354

Re: Incorporation of 24590-HLW-PCN-ENV-09-001, Class 1 Modification to the
*Hanford Facility Resource Conservation and Recovery Act (RCRA) Permit, Dangerous
Waste Portion, Revision 8C, for the Treatment, Storage, and Disposal of Dangerous Waste,*
Part III, Operating Unit 10, Waste Treatment and Immobilization Plant (WTP Permit),
WA7890008967

Reference: See page 2

Dear Ms. Olinger and Mr. Feigenbaum:

The Department of Ecology will incorporate the referenced Class 1 Modification in the
WTP Permit. Our concurrence is on the enclosed Hanford Facility RCRA Permit Modification
Notification Form.

The modification provides the updated High-Level Waste (HLW) Vitrification Building Process
Flow Diagram (PFD) for the HLW Canister Decontamination Handling System, 24590-HLW-M5-
V17T-00006, Revision 6. This replaces the permit PFD in Appendix 10.1 of the WTP Permit.

If there are any questions, contact me at 509-372-7899 or Dave Becker at 509-372-7990.

Sincerely,

Ed Fredenburg
Acting Tank Waste Disposal Project Manager
Nuclear Waste Program

trw/jc
Enclosure

cc: See page 2

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SEP 30 2009

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Ms. Olinger and Mr. Feigenbaum
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Reference: Letter 09-ESQ-288, received August 19, 2009, from S. J. Olinger, USDOE-ORP,
to J. A. Hedges, Ecology, "Submittal of Hanford Facility Resource Conservation and
Recovery Act (RCRA) Permit Modification Notification Form 24590-HLW-PCN-
ENV-09-001"

cc electronic w/enc:

Dave Bartus, EPA
Guy Girard, USDOE
Lori Huffman, USDOE
Tony McKarns, USDOE
Gae Neath, USDOE
Don Sommer, USDOE
William Taylor, USDOE
Donna Busche, BNI
Julie Colby, BNI
Barry Curn, BNI
Brad Erlandson, BNI
Sandi Murdock, BNI
Suzette Thompson, FHI
Gail Laws, WDOH

cc w/enc:

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

H-0-8

Quarter Ending 09/30/2009

24590-HLW-PCN-ENV-09-001

Hanford Facility RCRA Permit Modification Notification Form

Unit: Waste Treatment and Immobilization Plant	Permit Part: Part III, Operating Unit 10
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Description of Modification:
 The purpose of this Class 1 modification is to update the Process Flow Diagram (PFD) HLW Vitrification HLW Canister Decon (System HDH) in Appendix 10.1 of the Dangerous Waste Permit. The following source PFD is submitted to replace the permitted PFD currently in Appendix 10.1:

Appendix 10.1			
Replace:	24590-HLW-M5-V17T-P0006 Rev 3	With:	24590-HLW-M5-V17T-00006 Rev 6

This modification requests Ecology approval and incorporation into the permit the specific changes to this PFD that are identified by Revision Note Description, clouds, and revision triangles since the last revision of the permitted drawing. Revision to this PFD is the result of ongoing design.

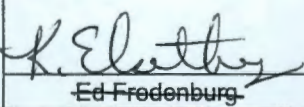
The following identifies significant changes:

- Added and revised notes and references
- Added equipment tags at the top
- Changed steam heating system to water heater and pump system per DCN 24590-HLW-M5N-V17T-00054 (provided to Ecology 5/23/2008, CCN 170767)

The following is a list of outstanding change documents that have not been incorporated into this modification:
 24590-HLW-M5N-V17T-00054

WAC 173-303-830 Modification Class:	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. General Permit Provisions
 1. Administrative and informational changes
 3. Equipment replacement or upgrading with functionally equivalent components (e.g., pipes, valves, pumps, conveyors, controls)

Modification Approved/Concur: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Denied (state reason below) Reason for denial:	Reviewed by Ecology: <div style="text-align: center;">  Ed Frodenburg Kelly Elsethagen </div> <div style="text-align: right;"> <u>9-28-2009</u> Date </div>
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