



STATE OF WASHINGTON  
DEPARTMENT OF ECOLOGY

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

August 26, 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-WTP-PCN-ENV-06-008; 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 Class 1 Modification 24590-WTP-PCN-ENV-06-008  
submitted July 22, 2008. The approved Hanford Facility RCRA Permit Modification  
Notification Form is enclosed.

The modification provides the updated *Engineering Specification for Vessel-Mounted Vertical  
Transfer Pumps – LAW Facility* (24590-WTP-3PS-MPC0-T0008, Revision 1). This replaces the  
current permit Engineering Specification in Appendix 7.7.

If there are any questions, contact me at 509-372-7882 or Jerry Hensley at 509-372-7907.

Sincerely,

Brenda Becker-Khaleel  
WTP Permit Writer  
Nuclear Waste Program

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 September 30,  
2008

24590-WTP-PCN-ENV-06-008

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**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  
Replace Permit Specification 24590-WTP-3PS-MPC0-TP008 (Engineering Specification for Vessel-Mounted  
Vertical Transfer Pumps - LAW Facility) in Appendix 7.7 of the Dangerous Waste Permit.

Submitted by Co-Operator:

Reviewed by ORP Program Office:

D. A. Klein  
D. A. Klein

6/19/08  
Date

S. J. Olinger  
S. J. Olinger

7/18/08  
Date

Quarter Ending September 30,  
2008

24590-WTP-PCN-ENV-06-008

### Hanford Facility RCRA Permit Modification Notification Form

Unit: <b>Waste Treatment and Immobilization Plant</b>	Permit Part & Chapter: <b>Part III, Operating Unit 10</b>
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**Description of Modification:**

The purpose of this Class 1 modification is to update 24590-WTP-3PS-MPC0-T0008 (*Engineering Specification for Vessel-Mounted Vertical Transfer Pumps - LAW Facility*).

The following specification is being submitted to replace the specification currently in Appendix 7.7.

Appendix 7.7			
Replace:		With:	
Replace:	24590-WTP-3PS-MPC0-TP008, Rev. 0	With:	24590-WTP-3PS-MPC0-T0008, Rev. 1

Revisions are the result of ongoing design (changes from vendor preliminary data to vendor detailed design) and incorporate general criteria from a design verification review. The following identifies changes that have been revised on the attached specification.

- Section 6.3.2: Established acceptance criteria for net positive suction head (NPSH).
- Appendix C, 2.0: Changed connector type for semi-remote process connectors.
- Appendix C, Figure C3.1 deleted.
- Minor editorial changes and clarifications (e.g., changed will to shall, replaced Seller with supplier, etc.).

The following is a list of outstanding change documents that have not been incorporated into this modification:

- 24590-WTP-3PN-MPC0-00023
- 24590-WTP-3PN-MPC0-00030
- 24590-WTP-SDDR-M-05-00603
- 24590-WTP-SDDR-M-05-00607
- 24590-WTP-SDDR-M-05-00608
- 24590-WTP-SDDR-M-05-00613
- 24590-WTP-SDDR-M-05-00782
- 24590-WTP-SDDR-M-05-00809

WAC 173-303-830 Modification Class: <sup>1 2</sup>	Class 1	Class <sup>1</sup> 1	Class 2	Class 3
Please mark the Modification Class:	X			
Enter Relevant WAC 173-303-830, Appendix I Modification citation number:		A.1 & A.3		
Enter wording of WAC 173-303-830, Appendix I Modification citation:				
A.1 Administrative and informational changes.				
A.3 Equipment replacement of upgrading with functionally equivalent components.				

<sup>1</sup> Class 1 modifications requiring prior Agency approval.

<sup>2</sup> 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.

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2008

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<p>Modification Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (state reason for denial) <u>Reason for denial:</u></p>	<p>Reviewed by Ecology:</p> <p><i>B. Becker-Khaleel</i> <u>8/26/08</u> B. Becker-Khaleel Date</p>
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