



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

15-ESQ-0055

APR 13 2015

Ms. S. L. Dahl-Crumpler  
Nuclear Waste Program  
State of Washington  
Department of Ecology  
3100 Port of Benton Boulevard  
Richland, Washington 99354

Dear Ms. Dahl-Crumpler:

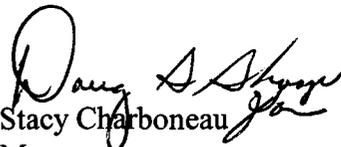
**CLASS 1 MODIFICATION TO THE HANFORD FACILITY RESOURCE CONSERVATION AND RECOVERY ACT PERMIT, QUARTER ENDING MARCH 31, 2015**

In accordance with the Hanford Facility Resource Conservation and Recovery Act Permit (Permit) Condition I.C.3, enclosed for your notification is a Class 1 modification for the quarter ending March 31, 2015.

The modification updates information in Part III of Permit Revision 8C. The modification pertains to the Liquid Effluent Retention Facility and 200 Area Effluent Treatment Facility. The Class 1 modification is being made to ensure that activities are conducted in compliance with the Permit. A record of the modification is maintained in the Hanford Facility Operating Record.

If you have any questions, please contact me, or your staff may contact Jeffrey A. Frey, Acting Assistant Manager for Safety and Environment, on (509) 376-7727.

Sincerely,

  
Stacy Charboneau  
Manager

ESQ:ACM

Enclosure

cc: See page 2

Ms. S. L. Dahl-Crumpler  
15-ESQ-0055

-2-

cc w/encl:

J. L. Cantu, Ecology (CD ROM)  
R. G. Hastings, ORP (CD ROM)  
Administrative Record, TSD: H-0-1, S-2-8,  
T-2-8. (Hard Copy & CD ROM)  
Ecology NWP Library (Hard Copy & CD ROM)  
Environmental Portal, LMSI, A3-95 (CD ROM)  
Gonzaga University, Foley Center Library (CD ROM)  
HF Operating Record (J. K. Perry, MSA, A3-01) (CD ROM)  
Portland State University, Government Information (CD ROM)  
University of Washington, Suzzallo Library,  
Govt Publications Department (CD ROM)  
U.S. Department of Energy, Public Reading Room,  
Washington State University, Tri Cities,  
Consolidated Information Ctr., (CD ROM)

cc w/o encl:

D. J. Alexander, Ecology  
B. M. Barnes, CHPRC  
A. S. Carlson, Ecology  
B. L. Curn, URS  
K. A. Hadley, WCH  
J. A. Hedges, Ecology  
M. E. Jones, Ecology  
J. D. McDonald, Ecology  
S. Murdock, BNI  
B. Peck, BNI  
J. R. Seaver, CHPRC  
R. R. Skinnarland, Ecology  
H. T. Tilden, PNNL  
M. B. Wilson, MSA  
D. M. Yasek, WRPS

ENCLOSURE

**CLASS 1 MODIFICATIONS FOR QUARTER ENDING MARCH 31, 2015**  
**Ms. S. L. Dahl-Crumpler, Ecology**

Consisting of 5 pages,  
including this cover page

**Hanford Facility RCRA Permit Modification Notification Forms**

**Part III, Operating Unit Group 3**

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

Index

Page 2 of 3     Hanford Facility RCRA Permit III.3 Conditions, List of Addenda

Submitted by Co-Operator:

Kelley Wooley / Kelley M

01/14/15

Date

Reviewed by RL Program Office:

R. G. [Signature]

1/23/15

Date

**Hanford Facility RCRA Permit Modification Notification Form**

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

Permit Part  
**Part III, Operating Unit Group 3**

Description of Modification:

**Permit III.3 Permit Conditions, List of Addenda Specific to Operating Unit Group 3**

Changes are needed to identify the most recent modification date for Addendum C (DOE Letter # 15-ESQ-0025, dated January 9, 2015)

WAC 173-303-830 Modification Class <sup>1 2</sup>

Please mark the Modification Class:

Class 1	Class '1	Class 2	Class 3
X			

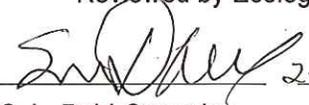
Enter relevant WAC 173-303-830, Appendix I Modification citation number: A.1

Enter wording of WAC 173-303-830, Appendix I Modification citation: Administrative and informational changes.

Modification Approved:  Yes  No (state reason for denial)

Reason for denial:

Reviewed by Ecology:

  
 S. L. Dahl-Crumpler      2-11-14  
 Date

**Remove and Replace the Following Sections:**

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Part III, Operating Unit Group 3, Permit Conditions, List of Addenda Specific to Operating Unit Group 3, page 1 of 9

1                   **PART III, OPERATING UNIT GROUP 3 PERMIT CONDITIONS**

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

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3                   **Unit Description:**

4                   The Liquid Effluent Retention Facility (LERF) and 200 Area Effluent Treatment Facility(200 Area ETF)  
5                   consists of an aqueous waste treatment system that provides treatment, storage integral to the treatment  
6                   process, and storage of secondary wastes from the treatment process for a variety of aqueous mixed  
7                   waste. The 200 Area ETF is located in the 200 East Area. Aqueous wastes managed by the 200 Area  
8                   ETF include process condensate from the LERF and 200 Area ETF and other aqueous waste generated  
9                   from onsite remediation and waste management activities.

10                  The LERF consists of three lined surface impoundments, or basins. Aqueous waste from LERF is  
11                  pumped to the 200 Area ETF for treatment in a series of process units, or systems, that remove or destroy  
12                  essentially all of the dangerous waste constituents. The treated effluent is discharged to a State-Approved  
13                  Land Disposal Site (SALDS) north of the 200 West Area, under the authority of a Washington State  
14                  Waste Discharge Permit (Ecology 2000) and [200 Area ETF Delisting \(40 CFR 261, Appendix IX,](#)  
15                  Table 2). Construction of the LERF began in 1990. Waste management operations began at LERF in  
16                  April 1994. Construction of the 200 Area ETF began in 1992. Waste management operations began at  
17                  200 Area ETF in November of 1995.

18                  This Chapter provides unit-specific Permit conditions applicable to the dangerous waste management  
19                  units for LERF and 200 Area ETF.

20                  **List of Addenda Specific to Operating Unit Group 3**

- 21                  Addendum A   Part A Form, dated March 31, 2014  
22                  Addendum B   Waste Analysis Plan, dated March 31, 2013  
23                  Addendum C   Process Information, dated ~~December 31, 2014~~~~November 24, 2014~~  
24                  Chapter 5.0   Groundwater Monitoring (DOE/RL-2013-46, Rev. 0), dated April 29, 2014  
25                  Addendum E   Security Requirements, dated, June 30, 2011  
26                  Addendum F   Preparedness and Prevention, dated April 8, 2014  
27                  Addendum G   Personnel Training, dated June 30, 2012  
28                  Addendum H   Closure Plan, dated June 30, 2011  
29                  Addendum I   Inspection Requirements, dated April 8, 2014  
30                  Addendum J   Contingency Plan, dated March 31, 2012

31                  **Definitions**

32                  **State and federal delisting actions:** The state delisting action pursuant to [WAC 173-303-910\(3\)](#),  
33                  August 8, 2005, and the federal delisting action appearing in [40 CFR 261, Appendix IX, Table 2](#)  
34                  applicable to the United States, Department of Energy, Richland, Washington.

35                  **Acronyms**

36                  LERF and 200 Area ETF           200-Area Liquids Processing Facility

37                  **III.3.A           COMPLIANCE WITH UNIT-SPECIFIC PERMIT CONDITIONS**

38                  III.3.A.1        The Permittees will comply with all Permit Conditions in this Chapter and its  
39                  Addendums and Chapters with respect to dangerous waste management and dangerous  
40                  waste management units in LERF and 200 Area ETF, in addition to requirements in  
41                  Permit Part I and Part II.