



0077212

STATE OF WASHINGTON  
DEPARTMENT OF ECOLOGY  
3100 Port of Benton Blvd • Richland, WA 99352 • (509) 372-7950

May 2, 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

RECEIVED  
MAY 09 2008

EDMC

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

Re: Submittal of document *Control of Toxic Vapors and Emissions from WTP Tank and Miscellaneous Unit Systems*, 24590-WTP-PER-PR-03-002, Revision 3

References: See page 2

Dear Ms. Olinger and Mr. Elkins:

The Department of Ecology reviewed the *Control of Toxic Vapors and Emissions from WTP Tank and Miscellaneous Unit Systems*, 24590-WTP-PER-PR-03-002, Revision 3 (Reference 1). This document describes the design and mitigative features that prevent the escape of acutely or chronically toxic (by inhalation) vapors, fumes, or other emissions from the Waste Treatment and Immobilization Plant (WTP) tank systems, miscellaneous unit systems, and vitrification sub-systems.

In accordance with Reference 2, Permit Conditions III.10.E.9.c.xii., III.10.G.10.c.xi., III.10.H.5.c.xi., and III.10.J.5.c.xi., Ecology entered this document into the Administrative Record.

We appreciate the assistance of Robert Haggard and Brad Erlandson in getting the document revised to address our concerns, specifically:

- Identification of WTP tanks that will contain hazardous wastes that are acutely or chronically toxic by inhalation.
- Designation of the bounding scenario tank contents in accordance with Washington Administrative Code 173-303-100.
- Description of equipment design and administrative controls that will prevent the release and inhalation of vapors, fumes, or other emissions from floor drains.



158700

Ms. Olinger and Mr. Elkins  
May 2, 2008  
Page 2

If there are any questions, contact me at 509-372-7882 or Robbie Biyani at 509-372-7884.

Sincerely,

Brenda Becker-Khaleel  
WTP Permit Writer  
Nuclear Waste Program

jc

References:

1. Letter 07-ESQ-149, dated August 31, 2007, from S. J. Olinger, USDOE-ORP, and W. S. Elkins, BNI, to J. A. Hedges, Ecology, "Submittal of Toxic Vapors and Emissions from Waste Treatment and Immobilization Plant Tank Systems and Miscellaneous Unit Systems, 24590-WTP-PER-PR-03-002, Revision 3" 0073862
2. Hanford Facility Dangerous Waste and Resource Conservation and Recovery Act (RCRA) Permit for the Treatment, Storage, and Disposal of Dangerous Waste, Part III, Operating Unit 10 (Waste Treatment and Immobilization Plant) (WA7890008967)

cc electronic:

- 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
- Bob Haggard, BNI
- Stan Hill, BNI
- Dennis Klein, BNI
- Sandi Murdock, BNI
- Suzette Thompson, FHI
- Phil Peistrup, WGI

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