



MAY 08 2007

07-ESQ-069

CCN: 155832

Ms. Jane Hedges, Program Manager
Nuclear Waste Program
Washington State
Department of Ecology
3100 Port of Benton Blvd.
Richland, Washington 99354

RECEIVED
MAY 14 2007
EDMC

Dear Ms. Hedges:

RADIOACTIVE LIQUID WASTE DISPOSAL (RLD) TANK SYSTEM DESIGN
REQUIREMENTS IN THE LOW-ACTIVITY WASTE (LAW) FACILITY

Reference: Ecology letter from B. L. Becker-Khaleel to R. J. Schepens, ORP, and W. S. Elkins, BNI, "General Design Requirements for the Radioactive Liquid Waste Disposal (RLD) Tank System, RLD-VSL-00004, in the Low Activity Waste (LAW) Facility, located at the Waste Treatment and Immobilization Plant (WTP)," dated February 7, 2007. 0072102

This letter provides a plan and schedule to provide evidence that the RLD tank system vessel RLD-VSL-00004 for the LAW Facility complies with Washington Administration Code (WAC) 173-303-640(5)(e), as requested in the Reference.

The plan is designed to either: 1) show that the contents of RLD-VSL-00004 are not acutely or chronically toxic by inhalation as determined per WAC 173-303-100; or 2) show that the RLD-VSL-00004 tank system design and operation will prevent the escape of vapors, fumes, or other emissions into the air. Vessels in the Waste Treatment and Immobilization Plant (WTP) Facility design associated with open C3/C5 drains (e.g., floor drains, sink drains, etc.) that are dipped in the vessel and not trapped or otherwise sealed will be identified. The constituents in each vessel will be evaluated, and the vessel with the bounding waste characteristics will be determined. If the vessel contents are acutely or chronically toxic, then applicable preventive and/or mitigative features for vessels with open drain lines will be incorporated into a revision of the document, "Toxic Vapors and Emissions from WTP Tank Systems and Miscellaneous Treatment Unit Systems," 24590-WTP-PER-PR-03-002. The plan is to be implemented on the following schedule:

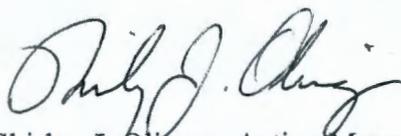
Ms. Jane Hedges
07-ESQ-069

-2-

MAY 08 2007

Scheduled Completion Date	Activity
March 8, 2007	Determination of the scope of the issue. (Completed March 7, 2007)
April 30, 2007	Identification of Bounding Vessel based on constituents and their concentrations. (Completed April 19, 2007)
May 30, 2007	Determination if bounding vessel is acutely or chronically toxic by inhalation. (On-going)
July 31, 2007	Identification of applicable preventive and/or mitigative features if the bounding vessel is toxic.
September 11, 2007	Submittal of revised document "Toxic Vapors and Emissions from WTP Tank Systems and Miscellaneous Treatment Unit System," 24590-WTP-PER-PR-03-002

If you have any questions, please contact Lori A. Huffman, Office of Environmental Safety and Quality, (509) 376-0104, or Brad G. Erlandson, Bechtel National, Inc., (509) 371-3826.



Shirley J. Olinger, Acting Manager
Office of River Protection



W. S. Elkins, Project Director
Bechtel National, Inc.

ESQ:LAH

cc: **Administrative Record (WTP H-0-8)**
BNI Correspondence