

From: Denis Koutsandreas@EXCHANGE on 03/22/2007 02:09 PM

QA: NA

To: Steve Gomberg/HQ/RWDOE@CRWMS

cc: James Linhart/YM/RWDOE <James\_Linhart@ymp.gov>@SMTP@Exchange, Anthony Kluk@EXCHANGE

Subject: Revised HLW canisters numbers for the YM EIS

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LSN: Relevant - Not Privileged

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3/22

Steve (and Jim):

Per your request to me concerning the YM EIS revision, listed below are the revised expected/projected HLW total production canister numbers for the entire EM complex broken down by sites, which Christine requested I sent to you today. A formal memorandum will follow this email. All sites, except for WVDP and ID, have provided a max range of expected total production. Note that Idaho is broken down by vitrification and calcine direct disposal treatment methods. WVDP has completed their vitrification activities.

I've also included the references for the data:

- Savannah River Site - max extreme range 6,700 to 9,100 ten by two foot vitrified canisters. Base case range - 7,400 to 8,600.

Reference: Washington Savannah River Company Memorandum, LWO-PIT-2006-00005, Revision 0, July 19, 2006, To: Steven A. Thomas, From: Peter J. Hill, Selection of Sludge Masses for Lifecycle Liquid Waste (LLWD) System Plan Development.

- Hanford Office of River Protection - max extreme range 7,071 to 13,205 fifteen by two foot vitrified canisters. Base case range - 7,442 to 12,085.

Reference: Waste Treatment and Immobilized Plant (WTP) High-Level Waste (HLW) Canister Production Estimates to Support Analyses by the Yucca Mountain Project, DOE/ORP-2003-03, Revision 0, July 2004.

- Idaho - Estimated HLW production, depending upon treatment method selected:  
1.) vitrified HLW glass - 13,200 ten by two foot canisters; or

2.) Direct calcine disposal; no treatment - 6,655 ten by two foot canisters.

Reference: Independent Calcine Disposition Project Review And Cost Estimate, Prepared by C/P/E Environmental Services LLC, Contract DE-AT07-06ID60550, May 2006.

- West Valley Demonstration Project - 275 ten by two foot vitrified HLW canisters. WVDP has completed all vitrified HLW operations.

Reference: EM Program Corporate Performance Measures at the Office Level.

In summary, the total extreme ranges of projected HLW vitrified glass canisters are: 27,246 to 35,780; or for calcine and vitrified HLW glass; 20,701 to 29,234.

Please contact me if there are any concerns.

Denis