



ENERGY FUELS RESOURCES CORPORATION

Memo

To: Clay Trumpolt
From: Bob Monok
CC: E. Ethington (CDPHE), F. Filas, Z. Rogers, K. Morrison (Golder)
Date: November 8, 2010
Re: Water Balance Email from Clay Trumpolt

This memo addresses questions raised by Mr. Clay Trumpolt of the Radiation Control Program (RCP), the Colorado Department of Public Health and Environment (CDPHE), received by Frank Filas via email on Friday, November 5, 2010.

The RCP's comments are indented and listed in italics below. Energy Fuels' responses are provided at full page width in regular font.

Hi Frank, I'm writing the water balance portion of the decision analysis and I have a couple questions:

1) What is the anticipated flow need in gpm for the added dust suppression system for the ore dumping platform?

The truck dumping platform dust suppression system will utilize approximately 10% or 1,440 gallons per day, of the ore pad dust suppression water requirements of 14,400 gallons per day. This will result in each ore truck being sprayed, fogged or misted with approximately 68 gallons of dust suppression water per minute.

2) What are the evaporation losses in gpm for the tailings ponds and evaporation ponds (was to be supplied by Golder)? Were these sent previously? Please direct me if so.

The tailings cells evaporation losses in gpm are not specifically calculated due to the operational variability of the tailings cells. The 41.3 acres of evaporation ponds are

designed to evaporate the 63 gpm raffinate flow for the 500 tpd milling rate. Refer to Exhibit A6- “Tailings Cell Design Report” by Golder Associates Inc. Section 3.7 “Water Balance Modeling”; Appendix I –“Tailings Cell Water Balance” and Exhibit A7- “Evaporation Pond Design Report” by Golder Associates Inc. Section 3.5 “Water Balance Modeling”; Appendix A- “Water Balance Evaluation” both located in Piñon Ridge Mill Radioactive Material License Application Volume 2. An updated version of the tailings cell design and tailings cell water balance is included in the Piñon Ridge Mill, “Application for Approval of Construction of Tailings Facility”, submitted to the U.S. Environmental Protection Agency Region 8, Indoor Air Program in August 2010.

3) Was toilet/urinal use not included in the intermittent flow drawing 000-PF-003? If not what is the anticipated number in gpm?

Although the toilet/urinal flow rate/usage are not specifically identified on CH2M Hill’s Process Flow Diagram, 000-PF-003, the conservative estimate of 3 gpm for potable water use exceeds the Colorado Department of Public Health and Environment (CDPHE) Guidelines on Individual Sewage Disposal Systems by slightly less than 300%. (Refer to Exhibit L7 “Addendum to the Special Use Permit Piñon Ridge Mill Facility” by Energy Fuels Resources Corp. in Volume 14 Piñon Ridge Mill Radioactive Material License Application.) Energy Fuels Resources further describes the use and re-cycling of non-potable and potable water systems in the Piñon Ridge Mill Radioactive Material License Application Volume 13, Exhibit L2- “Water and Waste Water Management Plan” by Energy Fuels Resources Corp.