

June 3, 2014

2DB00-RLF-14-004

Dear Interested Party:

EXPRESSION OF INTEREST AND PRESENTATION FOR LAW MELTER TRANSPORTATION STUDY

Washington River Protection Solutions (WRPS) intends to conduct a presentation and field walk-down at the Hanford site on June 18, 2014. The purpose of this meeting is to familiarize potential bidders with the current planning basis for LAW melter transport and disposal. WRPS will issue a solicitation and RFP for a LAW Melter Transportation Study which will validate the current technical basis for transporter design or assist WRPS in defining a new basis. In addition, the study will review the current planning basis for melter transport and identify any challenges associated with transporting the spent melters to the Integrated Disposal Facility (IDF), and with the interfaces involved with loading spent melters at the Waste Treatment Plant (WTP), and off-loading the spent melters at the IDF.

Background

As a result of processing waste through the WTP Low Activity Waste (LAW) melter system, it is forecasted that up to 18 LAW melters will require disposal over the mission of the Hanford WTP, assuming a 40-year plant life. LAW melters are expected to be classified as mixed low-level radioactive waste (MLLW) and would be disposed of at the IDF in 200E Hanford. WRPS is responsible for planning for melter transport. WTP is responsible for loading the melter onto the WRPS transporter while the IDF operator is responsible for unloading and placement for disposal.

Current Approach

In January of 2000, DOE and representatives from British Nuclear Fuels Limited, Inc. (BNFI) and the Tank Operations Contractor (TOC) met in a three day workshop to define the basis for melter disposal. The workshop provided baseline information about the size, weight, and configuration of the spent melters. Following the workshop, a *Melter Disposal Strategic Planning Document*, RPP-7094, was issued that looked at four options for transporting the spent/failed melters from the WTP to the IDF, including utilization of the existing Goldhofer submarine reactor compartment transporter. The current technical basis for transporter design is the Goldhofer transporter.

Since 2000, specific information regarding LAW melters, including their physical parameters, has been provided to the TOC to maintain the planning basis. The current LAW melter parameters are:

- Height = 190 inches
- Length = 262 inches
- Width = 367 inches
- Melter Weight (empty) = 656,700 lbs
- Melter Weight (full of glass) = 698,500 lbs
- Melter Weight (void space grouted) ~ 1,000,000 lbs

The purpose of the solicitation and RFP is to complete an updated study of the transportation options and efficiencies as well as evaluate the interfaces at the WTP associated with loading and at the IDF associated with off-loading based on current information.

Vendor Forum

The vendor forum is currently scheduled from 8:00am – 8:30am at 2440 Stevens, Richland WA in conference room 1200. This is a public area therefore badges are not required to attend the forum.

The scheduled meeting will include a presentation by WRPS personnel and a group question and answer session. Following the presentation and group questions and answers session there will be an optional facilities tour to include the Low Activity Waste (LAW) building at the WTP, IDF and the potential routes between the two facilities.

RSVPs

All interest parties planning to attend the presentation are required to RSVP to the undersigned by June 13, 2014. RSVPs may be transmitted by email to [Ricky L. Franzen@rl.gov](mailto:Ricky.L.Franzen@rl.gov). RSVPs must include:

- Company name and phone number.
- The primary point-of-contact
- Names (first, last, middle initial) of the personnel who will be attending
 - Each firm will be allowed up to three (3) personnel to attend
- Please indicate whether your company is interested in attending the presentation and/or the field walk-down.

I may be contacted at (509) 373-7141 for any questions.

Field Walk-down

The field walk-down will be limited to U.S. citizens only. Please ensure the attending personnel who do not already have Hanford site badges bring photo identification if they wish to participate in the tours, as Hanford site badges will be required to attend the field walk-downs. Participants must supply their own transportation.

Please be aware that the WTP portion of the field walk-down will be on a construction site. It is the responsibility of the participants to ensure they have the proper attire and footwear (e.g. no open toe shoes, shorts or sleeveless shirts). Hard hats and safety glasses can be provided for those that do not have their own.

Closing Remarks

Please be aware WRPS does not intend to award a contract on the basis of this notification, nor pay for information solicited. Information gathered during the pre-solicitation conference will be used to finalize the solicitation for the LAW Melter Transportation Study.

Vendors are encouraged to share industry knowledge and experience; however the sharing of proprietary knowledge is prohibited. The results of this pre-solicitation conference and the forthcoming study will be released for public use.

Participation in the pre-solicitation conference is encouraged, but not required, to submit a proposal on the forthcoming solicitation.

Since the final design of the LAW Melter transport system and preparation of loading/unloading procedures will be performed by WTPS with this study as only one of the many inputs, participation in this study will not generate a conflict of interest if the selected vendor wishes to provide a proposal should the need to relocate said melters arise.

We look forward to hearing from you regarding our request and seeing you in the near future.

Sincerely,

Ricky Franzen, Contract Specialist
Procurement

cc: file