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- b. Radiological principles governing design and operational aspects of SNF processing at NRF, including emergency response
- c. View production stations associated with receipt, processing, packaging of SNF and canister sealing, temporary dry storage of loaded canisters, and ship out of naval SNF
- d. Thermal aspects of the loaded naval SNF canister
- e. Material control, accountability, and physical protection for naval SNF.
- f. NNPP approach to ensuring personnel conducting SNF production operations do their work correctly and safely and the extent to which NNPP relies on personnel versus automated equipment in safely completing safety-related work.
- g. NNPP approach to maintaining SNF handling equipment to ensure the equipment functions reliably.

Based on the goals, objectives, and areas of interest described by HLWRS, NNPP proposes a two part visit. Both parts would include discussion of classified information and require all visitors to possess a DOE L clearance or equivalent. In addition, any notes taken by visitors must be provided to NNPP for classification review prior to the end of each visit (notes will be forwarded upon completion of the classification review).

The first part would be a meeting at NNPP headquarters at the Washington Navy Yard. During this meeting, NNPP would review our regulatory authority, responsibilities, and operations, including an overview of NNPP's roles and responsibilities for the repository license application and our interface with DOE-RW. The meeting would also provide an overview of the nature of naval nuclear fuel from manufacturing through operations and disposal (aided visually by full size and scale models) and provide an orientation to the naval SNF cycle from shipyard through processing and temporary dry storage at NRF's Expended Core Facility (ECF). This discussion would review the unique nature of naval SNF and highlight differences from commercial or DOE SNF. At the conclusion of the headquarters briefing, visitors should have an understanding of the nature of naval nuclear fuel and the design and operating principles underlying SNF processing at NRF. This will maximize the value of the visit to NRF and orient HLWRS staff to NNPP's contribution to the license application. The NNPP headquarters meeting would last about four hours.

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The second part would be the visit to the NRF in Idaho. Since NRF is a production facility, the focus of this visit would be to observe the application of design and operating principles discussed during the headquarters meeting to production work. This visit would consist of a walking tour encompassing the complete cycle of naval SNF at NRF from intake into ECF to shipment to the repository. Processes to be covered during the tour would include placing SNF which has finished examination into baskets, loading these baskets into canisters in ECF's Production Dry Storage process line, canister evacuation, drying, and welding processes, temporary dry storage of the sealed canisters, and plans for loading of canisters into a transportation cask and placing these casks onto rail cars for shipment to the repository. The tour would be conducted in small groups during a morning session, followed by a working lunch to allow time for additional questions. All visitors would cover the same tour route (i.e., there would be no break out tours for individual visitors on specific topics) with questions about specific aspects of production work addressed during and after the tour. The visit would be complete after lunch.

NNPP understands from our discussions that HLWRS is considering mid October for an NRF visit. NNPP can accommodate a visit at that time and suggests the headquarters visit be within two weeks prior for greatest benefit. The schedule for these two visits can be established promptly upon HLWRS agreement with the approach outlined above. The NNPP point of contact for these visits is Robert Gisch, 202-781-6128 (email robert.gisch@navy.mil).

Sincerely



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