Interim Pretreatment System

Steve Pfaff
Federal Project Director
Developments

- ORP directed WRPS to prepare a certified cost and technical proposal for Interim Pre-treatment System design activities
- CD-0 and CD-1 Package will be reviewed and modified to reflect Interim Pretreatment System
- The selected choice will support two melter operations
Phase Startup – Phase 1 Flow Diagram

- SSTs
- Potential CH-TRU
- DST System
- Tank Farm
- 242-A Evaporator
- AP-Farm
- Direct Feed LAW Pretreatment
- ETF
- WTP
  - Pretreatment
  - HLW Facility
  - LAW Facility
- IDF
  - Canisters from LAW immobilization

Facilities in the tank farm baseline to be constructed
Facilities/Capabilities proposed in framework
Existing facilities that require modifications

- CH-TRU – contact handled transuranic
- DST – double-shell tanks
- ETF – Effluent Treatment Facility
- HLW – high-level waste
- IDF – Integrated Disposal Facility
- LAW – low-activity waste
- SSTs – single-shell tanks
- WTP – Waste Treatment and Immobilization Plant

Tank Farm Waste Characterization and Staging
Interim Pretreatment System

Interim Pretreatment System for Two Melters

Key DFLAW Feed Functions
- Solids removal from LAW stream
- Cs-137 removal from LAW stream
In Tank Option with sRF