Effluent Management Facility Permitting Update

Hanford Advisory Board
Tank Waste Committee
EMF provides 4 key services to support DFLAW

• Provides a low point drain for waste transfer line flushing
• Concentrates fluids containing low levels of radioactive material from the LAW off-gas treatment system using an evaporator
• Transports the condensate from the evaporator overheads to the off-site Effluent Treatment Facility via the existing transport piping
• Recycles the evaporator concentrate into the LAW vitrification process
Dangerous Waste Permit requirements

1. **Secondary Containment**
   - Permit will authorize construction of basemat, stem walls, low point drain, process walls
   - Comment period: Nov. 28, 2016 – Jan. 27, 2017

2. **Transfer Lines**
   - Permit will authorize installation of piping to transfer waste
   - Comment period: Spring 2017

3. **Processing Equipment**
   - Permit will authorize installation of the tanks and evaporator
   - Comment period: Targeting Summer 2017

Timely submittal and approval of permits is key to staying on track to begin Direct-Feed Low Activity Waste treatment as soon as 2022.
EMF Permitting

Permit Process/Public Involvement Opportunities

- First EMF comment period (secondary containment) expected to begin in September/October
- 60-day comment period will be first of 2 required by Class 3 modification (will include public meeting)
- State to hold 2nd comment period (45 days) before permit approval
- The agencies are looking for efficiencies in the permitting process

The EMF mudmat has been placed as a working surface for basemat placement following permit approval.
Effluent Management Facility
Questions?