

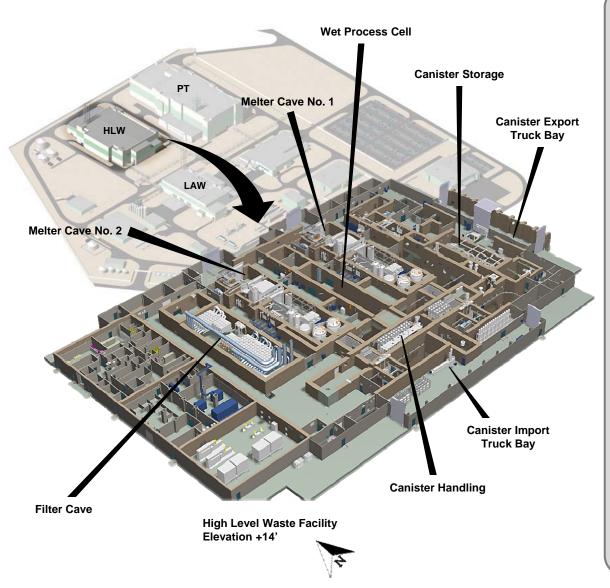


2016 WTP Nuclear Supply Chain Collaboration Event
Wahed Abdul – HLW Federal Project Director, ORP
Brian Zieroth - High Level Waste Facility Area Project Manager, BNI
20 September 2016



# High Level Waste Facility Overview





#### **Facility Overview**

- 275' (w) x 440' (l) x95' (h)
- Process High Level Waste Stream from Tank Farms
- Annual average of 600 canisters
  - 4TN each
  - 14.5'(h) x 2'(d)
- Key Processes:
  - Glass Vitrification
  - Off-gas Filtration

#### **Key Quantities**



Concrete 88K CY



**HVAC** 1.1M LB



Steel 11.5K TN



Conduit 233K LF



**Pipe** 165K LF

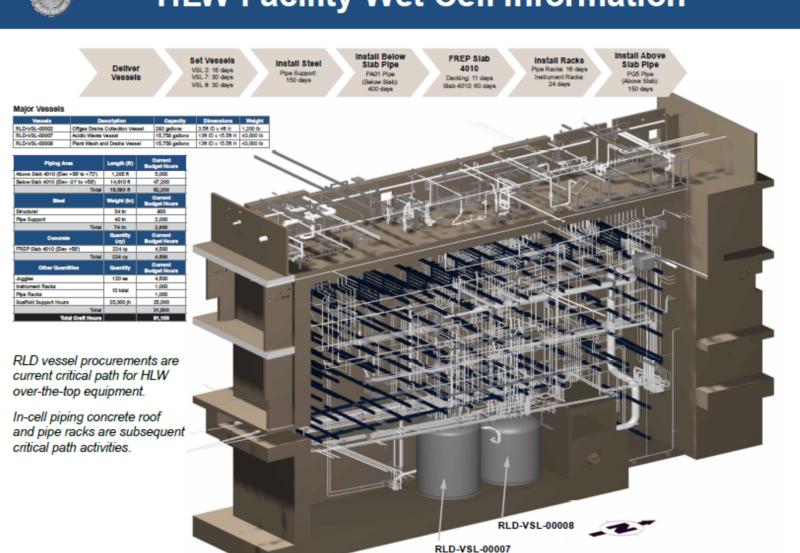


Cable / Wire 1.6M LF





#### **HLW Facility Wet Cell Information**



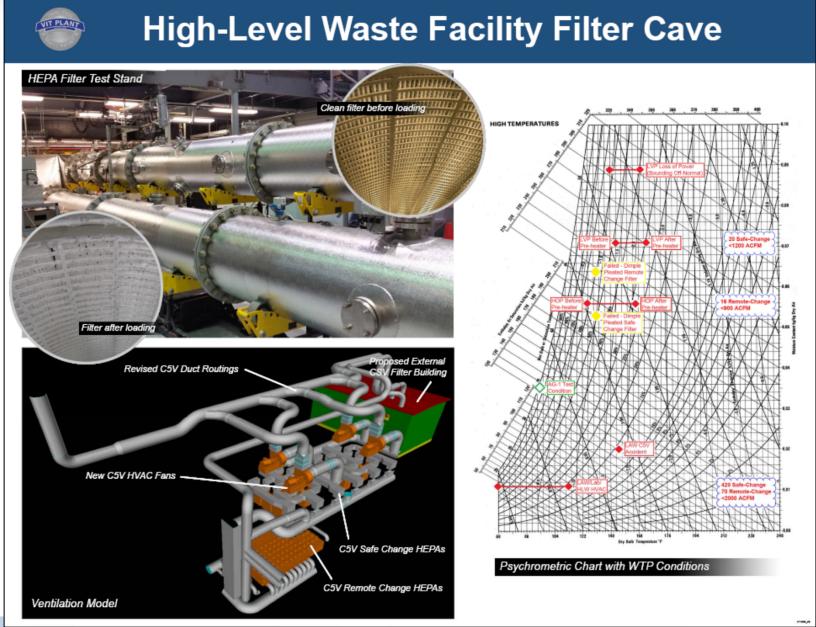


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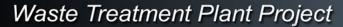
# What have we been working on at HLW?







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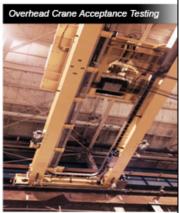
### **High-Level Waste Facility Equipment**



















# What's the path forward for HLW?

# **Management Focus**

- Implement 5 Year Plan
- Release Engineering and Construction for full production
- Re-baseline the to go scope cost and schedule
- Complete HEPA Safe Change and Remote Change Filter Qualification Testing
- Deliver over the top equipment required for roof completion



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# **EPC Scope**

- Engineering & Nuclear Safety
  - Primary focus in FY17 on resolution of Design & Operability Review comments, submittal of updated Preliminary Documented Safety Analysis, and preparation for re-baseline
  - -FY18 focus is on re-baseline
  - -FY17 21 Production Activities:
    - Continue limited (due to funding) production engineering on key HLW systems
    - Complete Remote Change HEPA Filter Qualification Testing
    - Increase Construction Backlog



### **EPC Scope (cont.)**

#### Procurement

- -Complete RLD 7 and 8 fabrication and delivery
- Deliver Auto Sampler Units
- Deliver remaining cranes required to support construction
- Initiate procurement of Safe Change Filter Housings
- Maintain existing authorized procurements and complete as resources allow

#### Construction

 Limited construction focused on path to roof and installation of over the top equipment

