

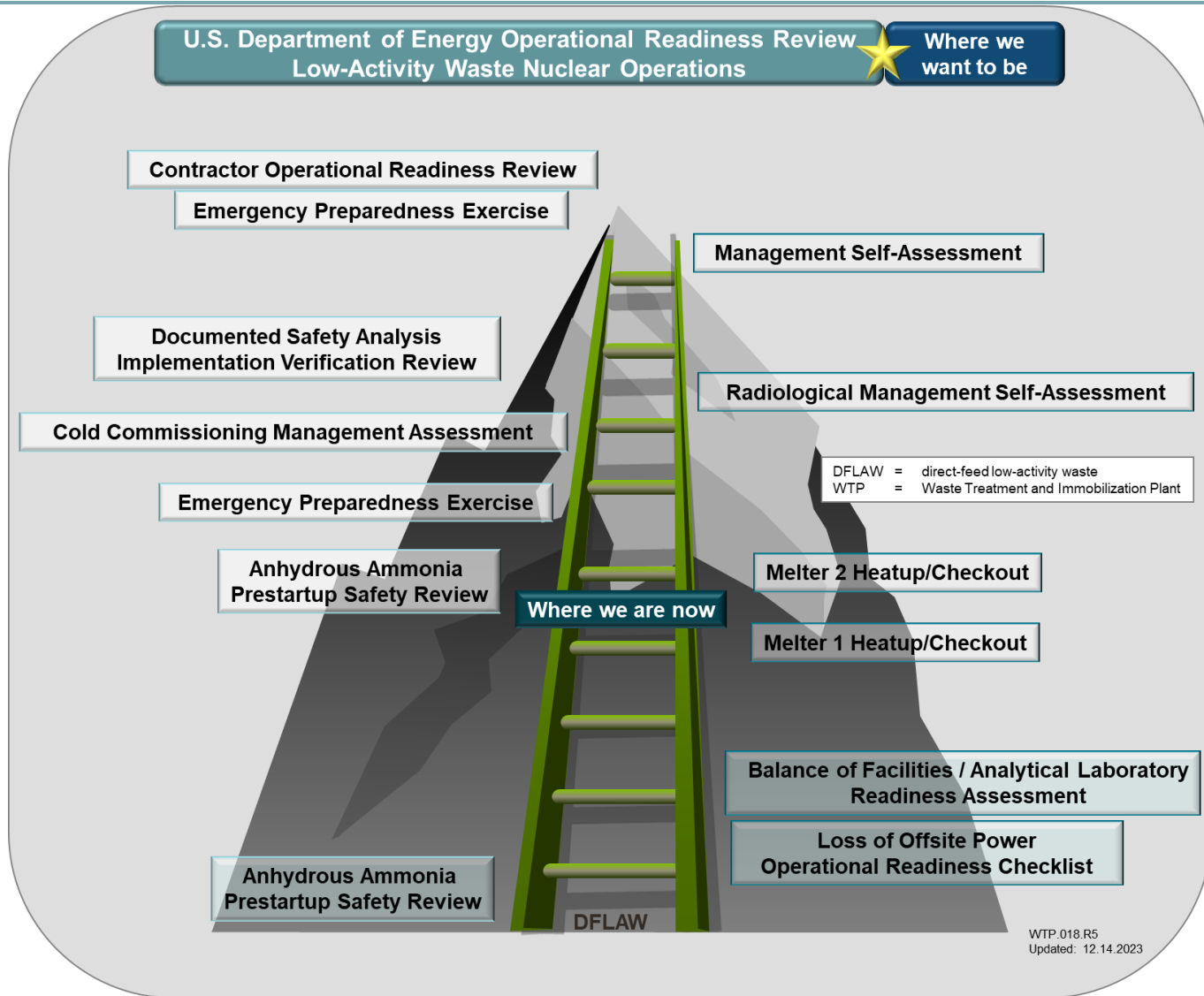


THE HANFORD SITE

Waste Treatment and Immobilization Plant Project Commissioning Update

Roger Gordon
Waste Treatment and Immobilization Plant
Readiness Manager
Office of River Protection

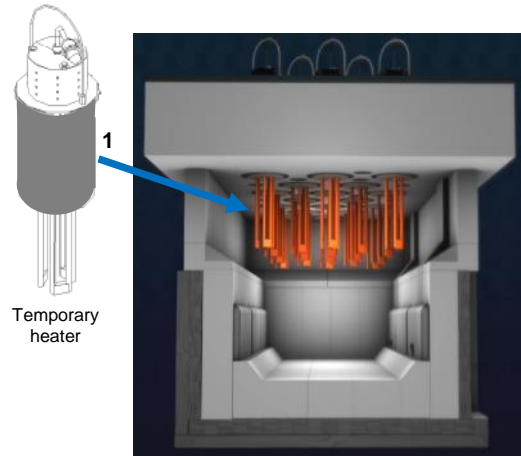
January 16, 2024



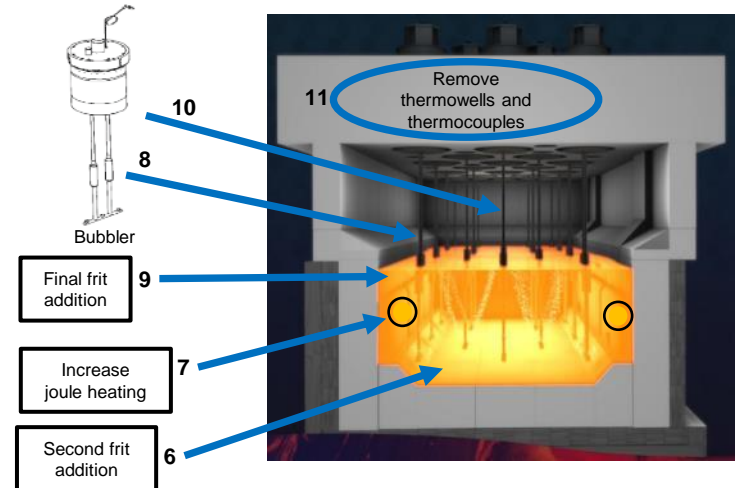
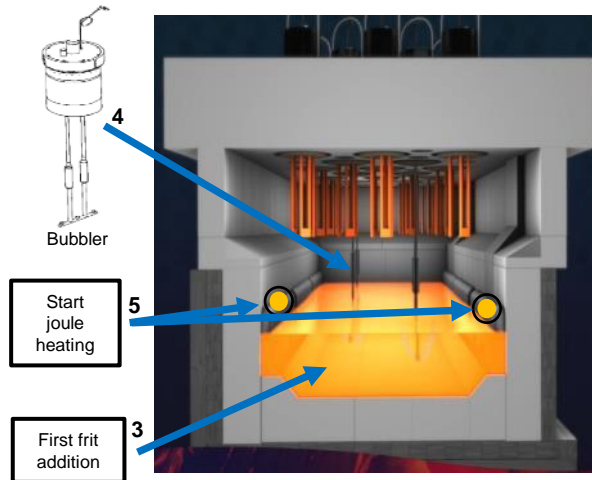
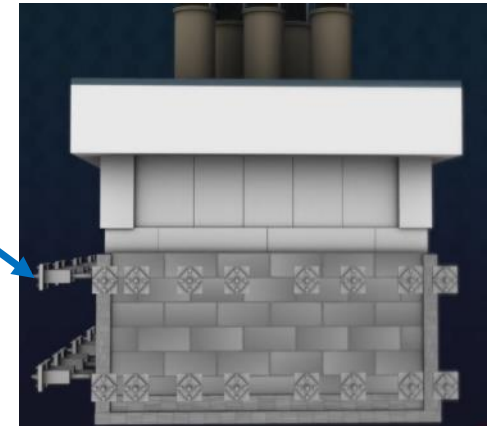
Melters 1 and 2 Heatup

Melters 1 and 2 Heatup Refractory Conditioning and Frit Addition

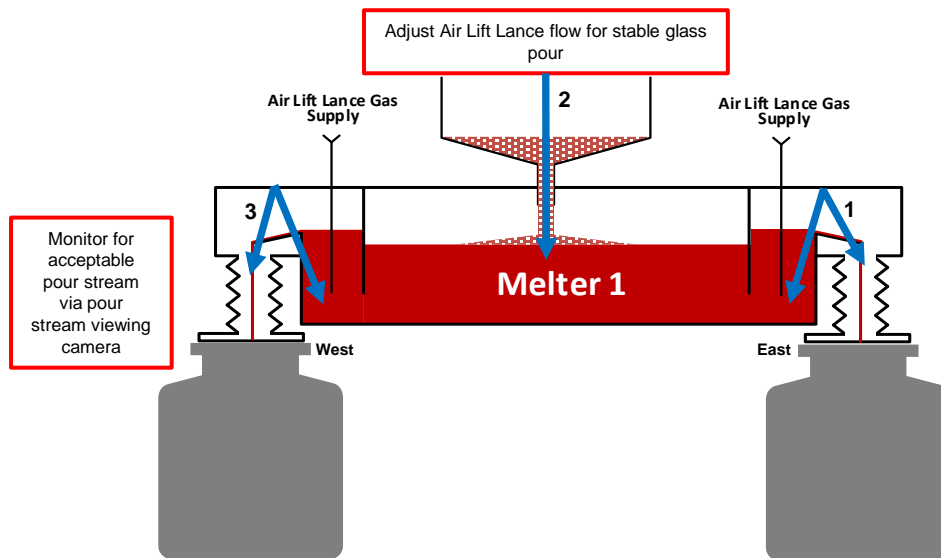
1. Install temporary heaters and heat melter from room temp to 2,100°F
2. First frit addition – 18 inches
3. Initial bubbler installation (3 each)
4. Start joule heating
5. Second frit addition – 25 inches
6. Increase joule heating
7. Continue bubbler installation (3 each)
8. Final frit addition – 31 inches
9. Remaining bubbler installation (12 each)
10. Remove startup thermowells and thermocouples



Jackbolt
measurement
and adjustment

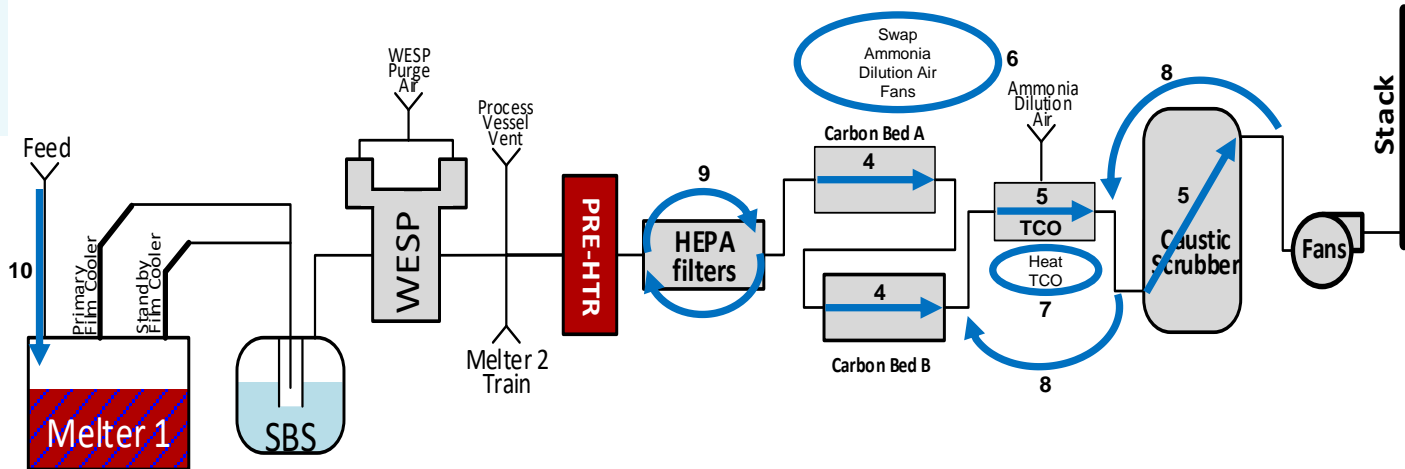


Melter 1 Frit Pours



Melters 1 and 2 Frit Pours

1. Air lift pour from east discharge chamber
2. Add frit, restore glass pool level
3. Air lift pour from west discharge chamber
4. Startup melter offgas components





June 2023

Mezzanine view of melter gallery



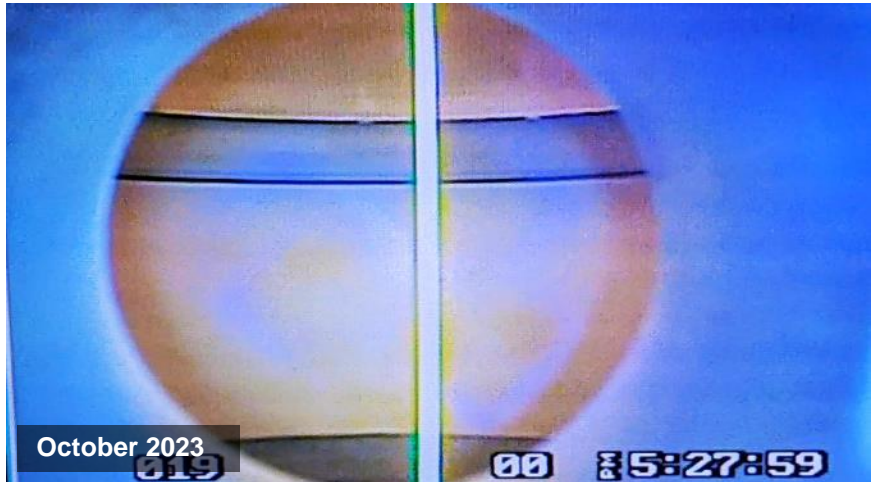
August 2023

First bag of frit being poured into Melter 1



October 2023

Monitoring of first frit pour



October 2023

Image of first molten glass



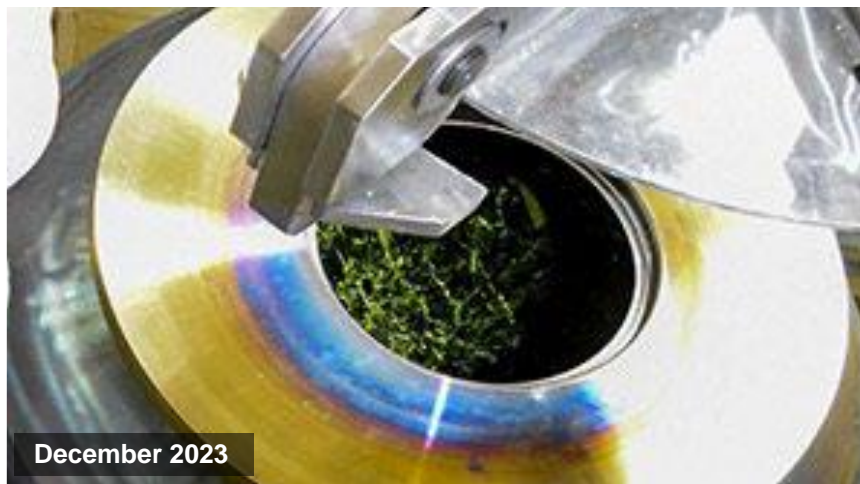
December 2023

First full glass container on finishing line



December 2023

First full glass container entering export truck bay



December 2023

First full glass container before lid is attached