

*Idaho Cleanup Project  
FY2014 / 2015 - Mission Vision  
February 12, 2014*



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# ***FY2014 / FY2015 Mission Vision***

- **Fiscal Year 2014 & 2015 Mission Vision Assumptions:**
  - Safety will be a primary emphasis in planning work
  - Workers will complete their tasks safely
  - Work end points will be clearly defined to support new contracts
  - Funding will remain positive for EM-Idaho
  - Future EM work execution will support ongoing and new Idaho missions
  - All three Idaho contractors and DOE will work together to successfully accomplish mission work



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# *Fiscal Year 2014 Mission Vision*

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- **Sodium Bearing Waste (SBW) Project**

- Schedule slip of over two years
- Over \$88M in additional costs, post CD-4
- First of a kind plant
- Significant challenge in taking prudent steps to resolve problems
- Contractor and DOE-ID continue to work together for plant start up
- Still focused on completing SBW processing by 12/30/2014
- Initiate tank cleaning, RCRA closure



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# *Fiscal Year 2014 Mission Vision*

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- **Exhumations at the Subsurface Disposal Area**

- 2013 commitment to the Idaho Governor to resume exhumation work
- Initiated exhumation work 6 months earlier than planned
- Completed ARP-II/III exhumations 12/12/2013
- Completed exhumations in the first six ARP facilities
- Continue exhumation work in ARP-VII/VIII
- Funding provided to cover last 6 months of FY14
- Plan is to continue exhumations until all exhumations work is completed per Settlement Agreement



**ARP-VII Operations**



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# ***Fiscal Year 2014 Mission Vision***

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- **Advanced Mixed Waste Treatment Project (AMWTP)**

Degraded Box



- Increase production to achieve contract deliverables
- Ensure completion of the Settlement Agreement milestone to have all ISA transuranic waste out of Idaho by the end of 2018
- Waste continues to be more difficult to manage
- Increased funding for additional drum certifications, more Ten Drum Over Packs, and additional disposal costs
- Continue to promote AMWTP as a DOE asset, market capabilities for new customers
- Anticipate WIPP to provide additional shipments for Idaho (12 per week)



# ***Fiscal Year 2014 Mission Vision***

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- **Sludge Drum Processing in ARP-V**
  - Extremely efficient process
  - Complete initial 6,000 drum processing, anticipate May/June time frame
  - Continue to process an additional sludge drums
  - Provided additional funding to start processing additional drums through all of FY14
  - Supports completion of Idaho Settlement Agreement milestone for transuranic waste

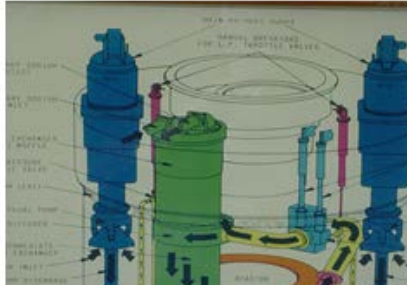


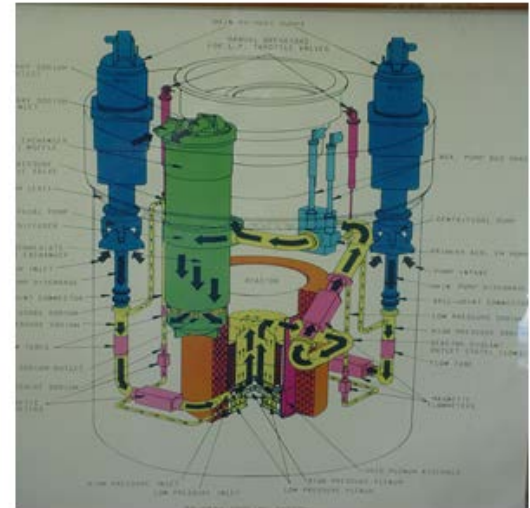
**ARP-V Sludge Drum Processing**





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- Part of the EBR-II Deactivation and Dismantlement (D&D) project
  - CWI designed and patented the Sodium treatment system
  - Continue to remove sodium from EBR-II piping safely
  - Can be completed by the end of FY2015
  - Provided funding to continue sodium removal and to start engineering design to accelerate future work
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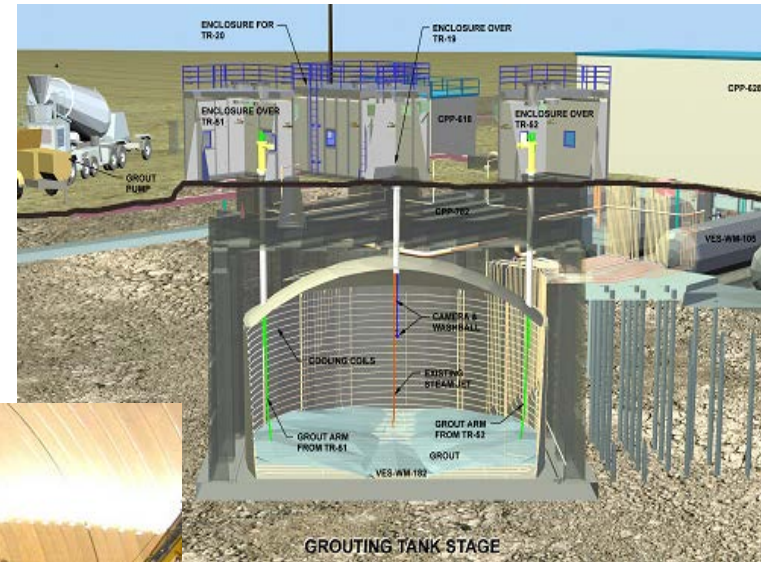
### Diagram of the EBR-II Primary Sodium System



# *Fiscal Year 2015 Mission Vision*

- **Sodium Bearing Waste (SBW) Project**

- Complete SBW processing by 12/30/2014, pending plant through put
- Continue RCRA closure of the tanks
- Initiate tank grouting
- Working with CWI to determine how much work can be accomplished by the end of FY2015



**SBW Underground Tank Grouting**



**IWTU Initial Construction**





# *Fiscal Year 2015 Mission Vision*

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- **Exhumations at the Subsurface Disposal Area**

- Complete ARP-VII exhumations by 12/30/2014
- Continue ARP-VIII exhumations
- Determine how much of ARP-VIII can be completed by the end of FY2015
- Continue to fund one exhumation crew



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**ARP-VIII Exhumation Operations**

# ***Fiscal Year 2015 Mission Vision***

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- **Advanced Mixed Waste Treatment Project (AMWTP)**
  - ITG needs to increase performance to achieve contract deliverables
  - Ensures Settlement Agreement milestone can be achieved by the end of 2018
  - Will be facing the most difficult waste for retrieval and processing
  - Anticipate additional funding necessary to support expected performance
  - Must determine how much transuranic waste will remain after FY2015
  - Continue to promote AMWTP as a DOE asset, market capabilities for new customers
  - Anticipate WIPP to provide additional shipments for Idaho (12 per week)



# *Fiscal Year 2015 Mission Vision*

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- **Sludge Drum Processing in ARP-V**
  - Complete processing remaining sludge drums in 3<sup>rd</sup> quarter of FY2015
  - Complete RCRA closure of ARP-V by the end of FY2015
  - Maintain funding for ARP-V project



**Emptied Sludge Drums**



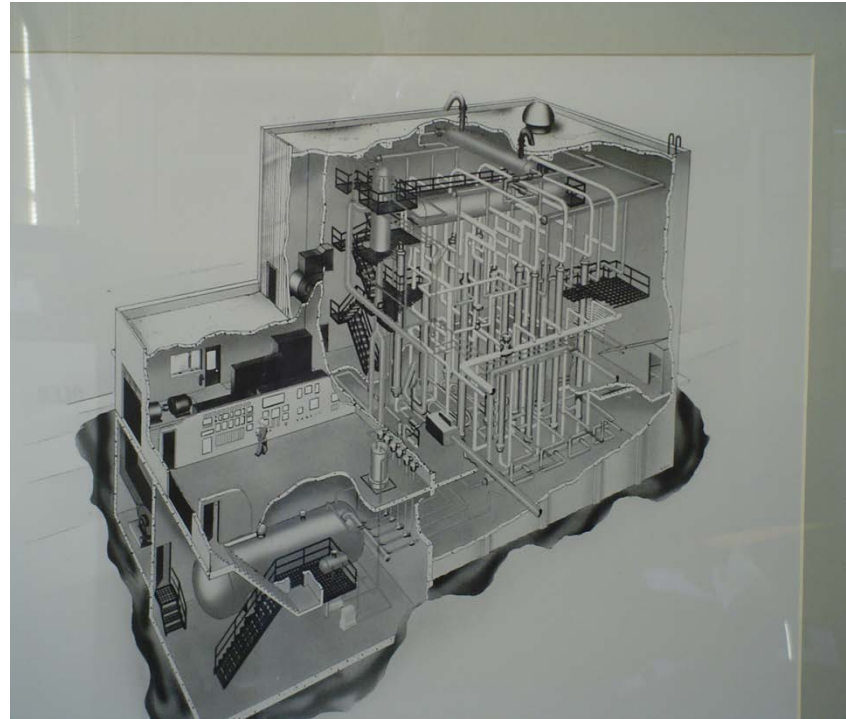
**Sludge processing**





# *Fiscal Year 2015 Mission Vision*






- **EBR-II Sodium Piping Removal**
  - Complete removal of Sodium from EBR-II piping & equipment Systems
  - Grout EBR-II reactor core
  - Establish work scope to be accomplished by the end of FY2015



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EBR-II Secondary Sodium System Diagram

## *Dashboard Summary for FY14/FY15 Mission Vision*

Key Questions	Dashboard Indicator	Comments
Impact on budget for activity or cleanup		IWTU costs have increased, however other areas have cost savings. The additional IWTU costs prevents other remediation work to be executed
Impact on employment or economic development		No negative affect in this area. Additional funding will allow for employment growth
Affect on agreements		Settlement Agreement milestone for SBW missed.
Impact on safety and environment		Level or increased funding supports safe execution of the work and reduces environment risks.
Impact on cleanup DOE-wide		The increased funding will allow for more WIPP shipments and support for CBFO.

