

# ***Remote Handled Transuranic Waste (RH-TRU) Sodium Distillation System Update***



**Doug Pruitt, RH-TRU Waste Manager**

**April 9, 2014**

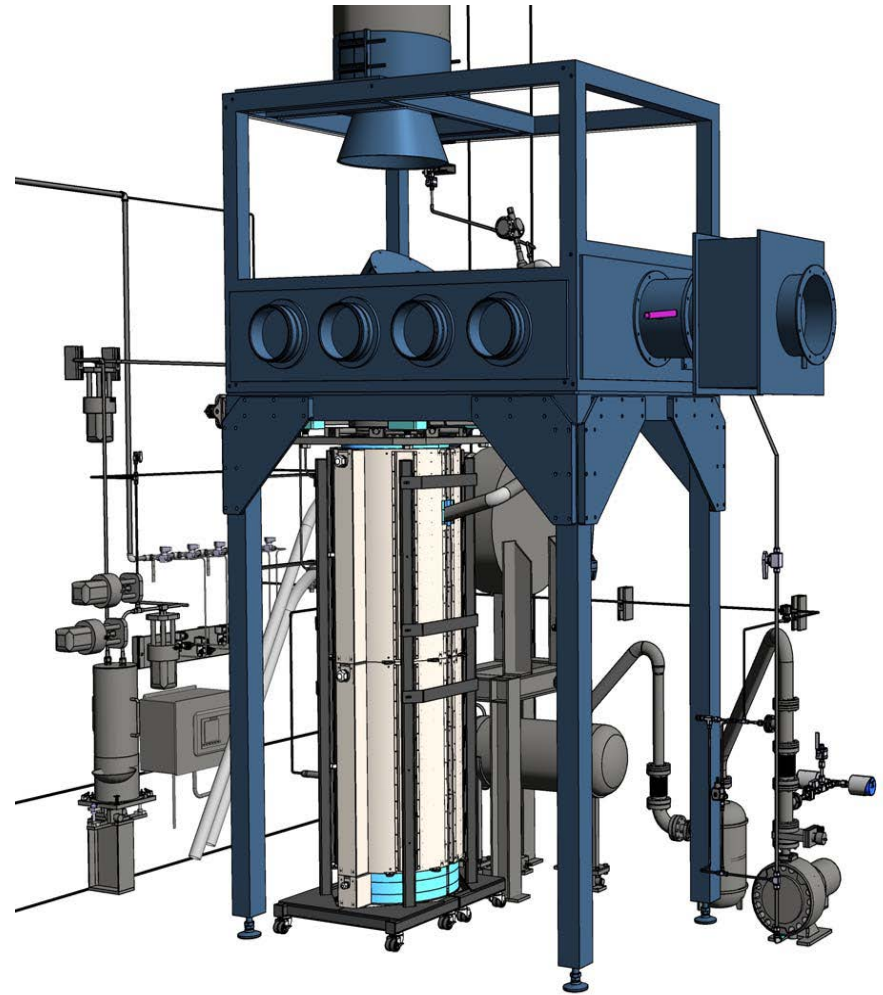


**EM** *Environmental Management*

# Sodium Distillation System Update

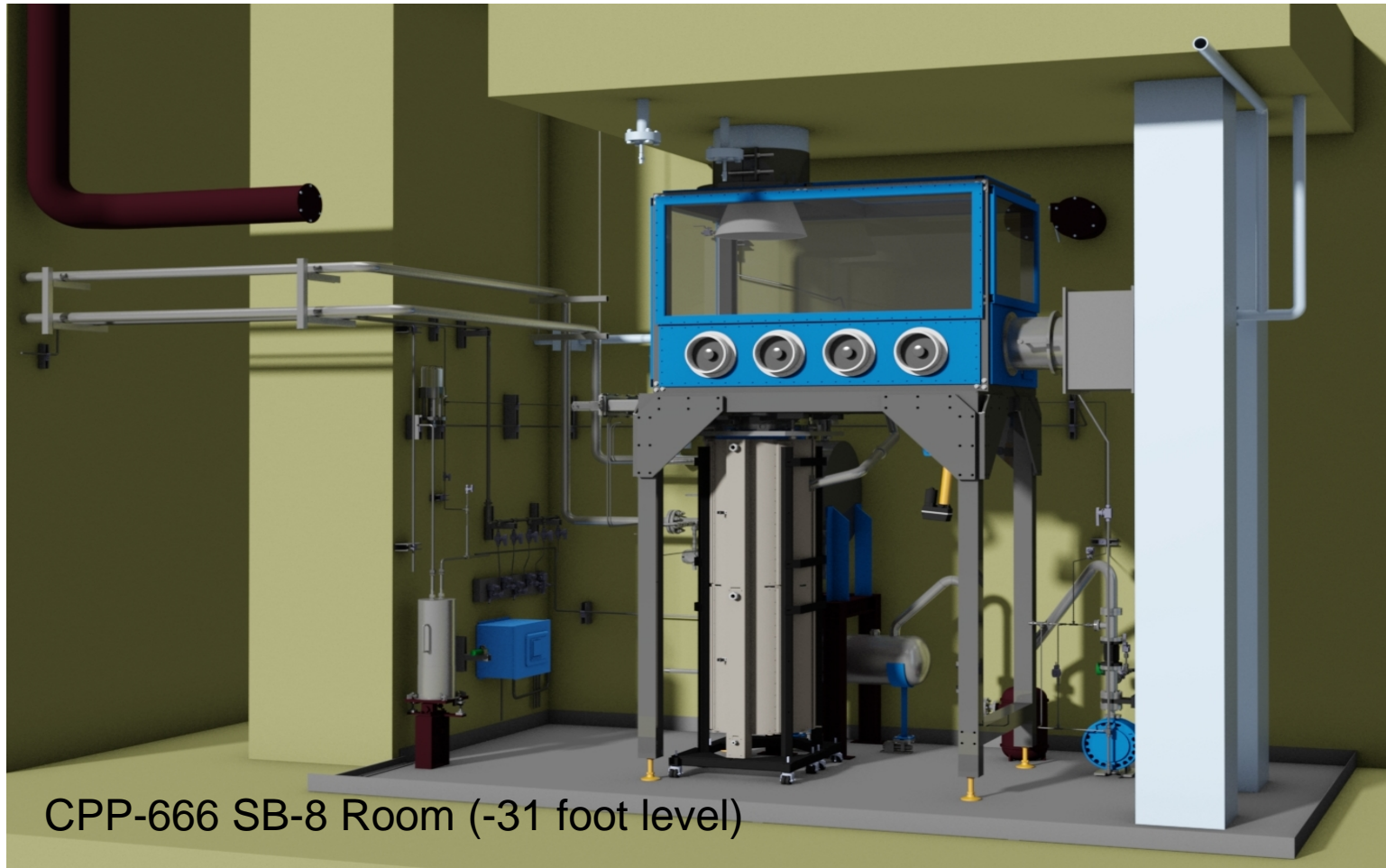
## *Sodium Distillation System (SDS)*

- *Completed installation of components in building CPP-666*
- *Commenced testing of the system components*
- *System Operability Tests*
- *Management Self Assessment*
- *Contractor Readiness Assessment*
- *Start operations in June 2014*



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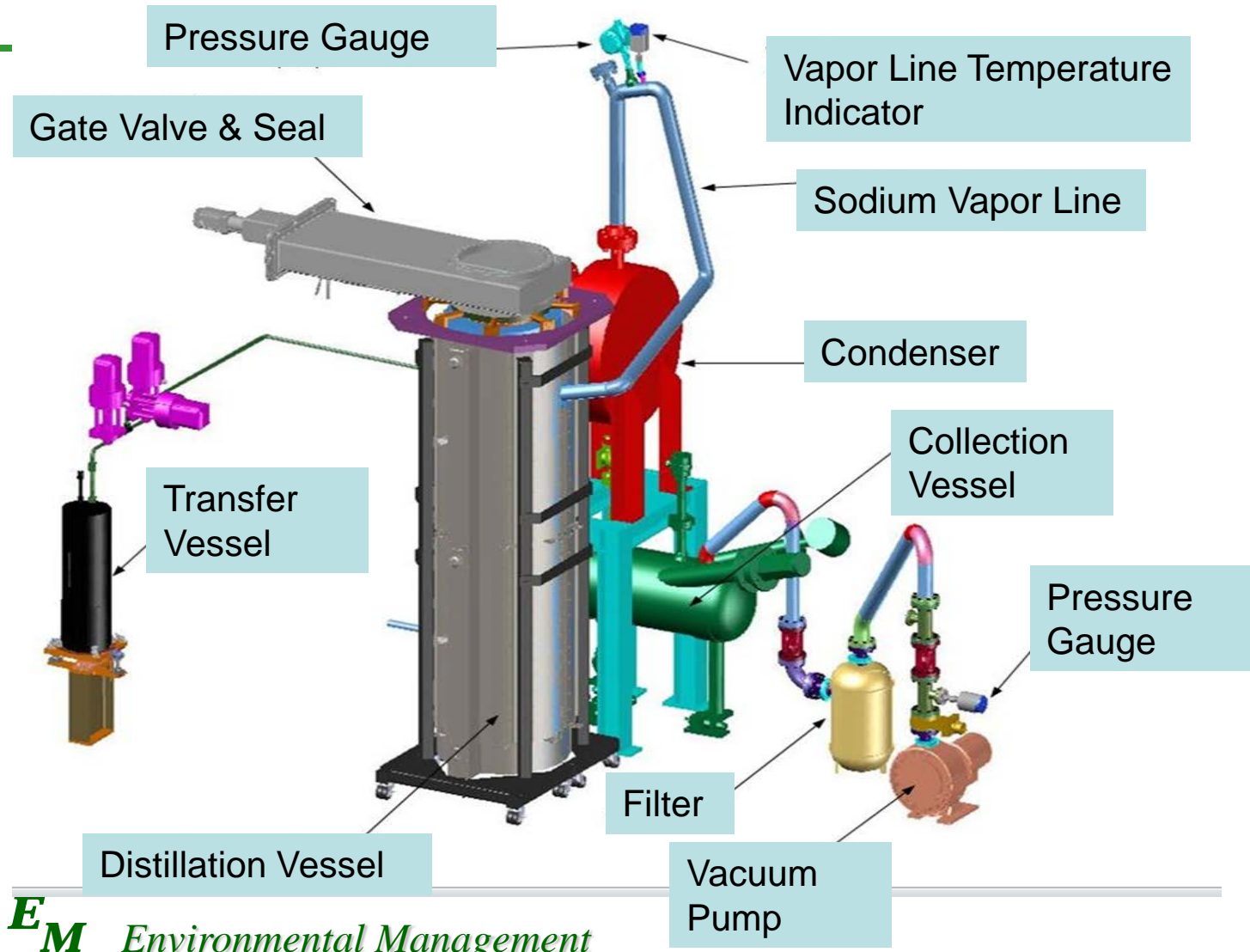
## *Sodium Distillation System as installed*



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# *Sodium Distillation Process*

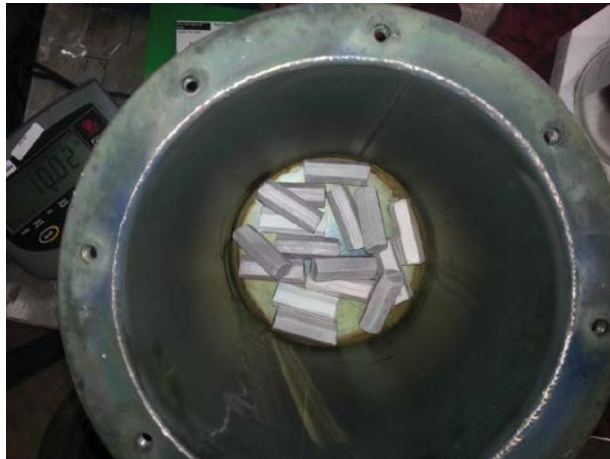


## *Sodium Distillation Test Fixture and Test Bucket*



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## *Sodium Distillation Test Fixture*



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## *SDS Surrogate Waste Test*



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## *SDS Surrogate Waste Loaded into the Vessel*



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## ***SDS Post Distillation Test Examination***






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**The surrogate waste was removed from the distillation vessel and visually inspected for Sodium. No residual Sodium was identified.**



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## *Dashboard Summary for ICP RH-TRU Program*

| Key Questions                  | Dashboard Indicator   | Comments   |
|--------------------------------|---|--|
| Budget Concerns and Issues     |    | The project initially cost more to start than planned, but operational efficiencies continue to be realized reducing the costs of the overall project. |
| Employment/Economic Conditions |    | The RH-TRU program will operate through FY 2016 uninterrupted.   |
| Affect on Agreements           |    | The project is on schedule to meet the agreements and milestones.  |
| Safety and Environment         |    | Final disposition of RH-TRU waste is being accomplished safely.  |
| Impact on clean-up DOE wide    |  | RH-TRU capabilities can be used by other sites.  |

