

Citizens Advisory Board Presentation

Integrated Waste Treatment Unit

10 July 2014

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E_M *Environmental Management*

safety ❖ performance ❖ cleanup ❖ closure

IWTU Status

- ✓ DOE Readiness Assessment completed March 21, 2014
- ✓ Facility operated for several weeks at normal operating temperature and pressure.
- ✓ Facility shut down April 19, 2014 for Outage A, initiated to address facility maintenance items. Work pulled forward from original outage schedule.
- ✓ Completed work on Outage A June 3, 2014
- ✓ Test Instruction - 102 re-entered on June 4, 2014
- The plant has gone through several heatup/cooldown cycles due to equipment issues attempting to introduce steam.
- Currently heating up to normal operating temperature/pressure to re-introduce steam this weekend.



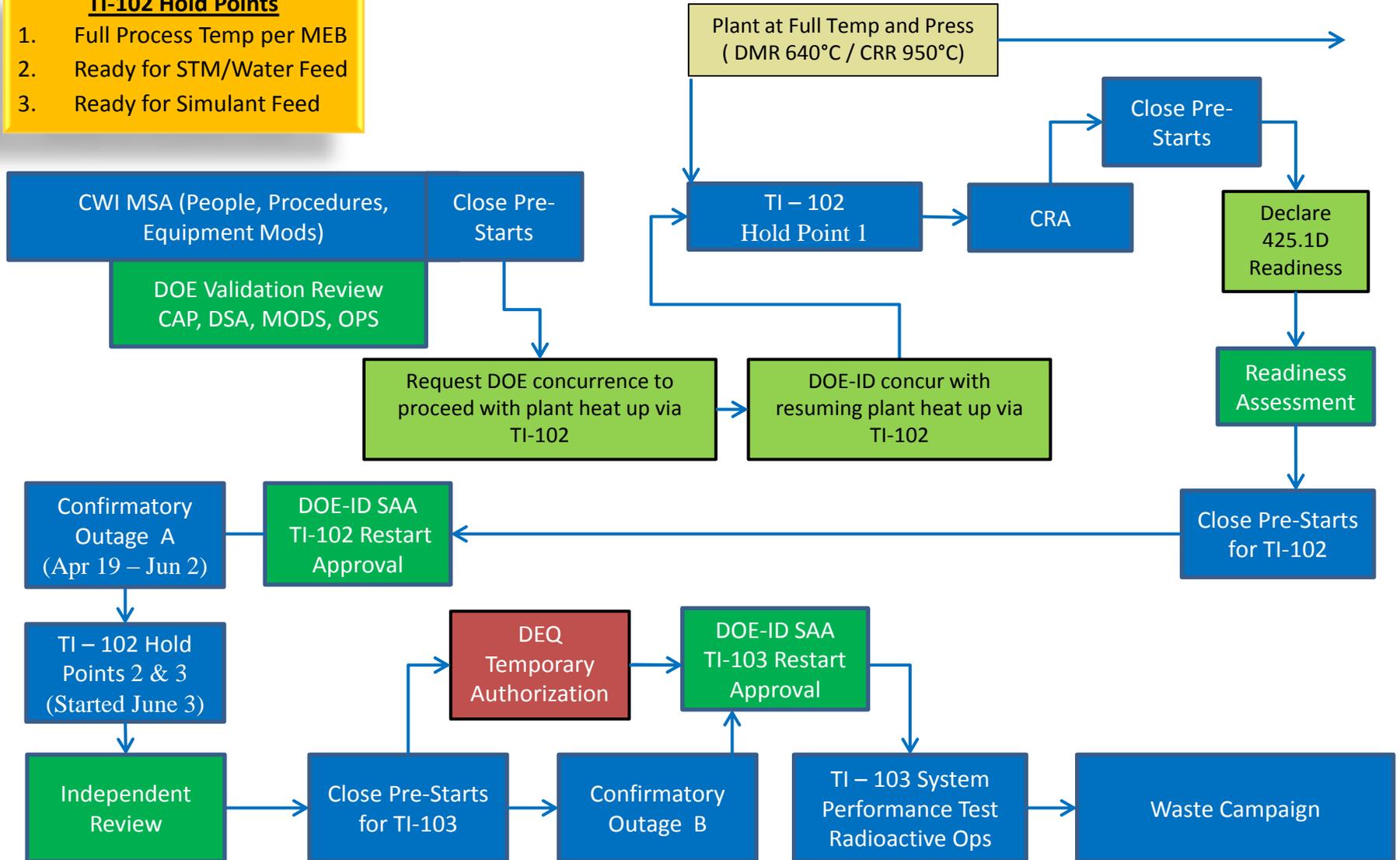
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IWTU Restart Logic and Process

TI-102 Hold Points

1. Full Process Temp per MEB
2. Ready for STM/Water Feed
3. Ready for Simulant Feed



Path Forward to Complete TI-102

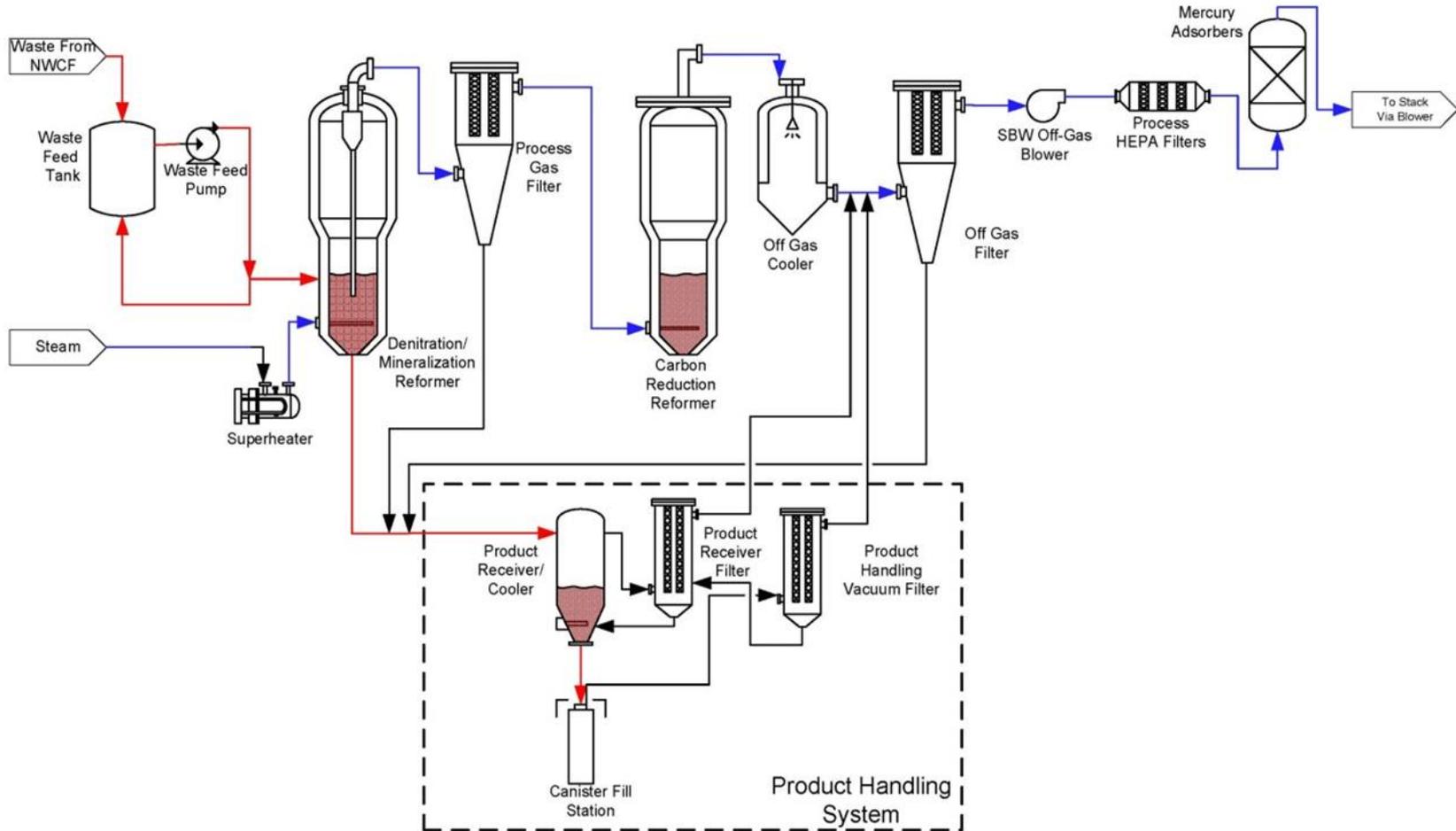
- Restore system to normal operating temperature/pressure
- Re-introduction of steam and calibration of equipment
- Introduce simulant feed (Approximately 30K gallons of simulant)
- DOE Independent Review of two radiological controls Readiness Assessment (RA) pre-start findings and post RA facility modifications
- Enter Outage B for inspection of plant post simulant run to verify performance of key facility modifications
- Obtain Idaho DEQ Temporary Authorization for waste processing
- DOE-ID Startup Authorization Authority restart approval
- Commence TI-103 Radioactive Waste Processing (Actual processing rate will be based upon TI-102 simulant processing results)



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Integrated Waste Treatment Unit Process



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