



Integrated Waste Treatment Unit

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Deputy Manager

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EM Environmental Management

safety ❖ performance ❖ cleanup ❖ closure

Idaho Cleanup Project

IWTU Success, Issues, and Goals

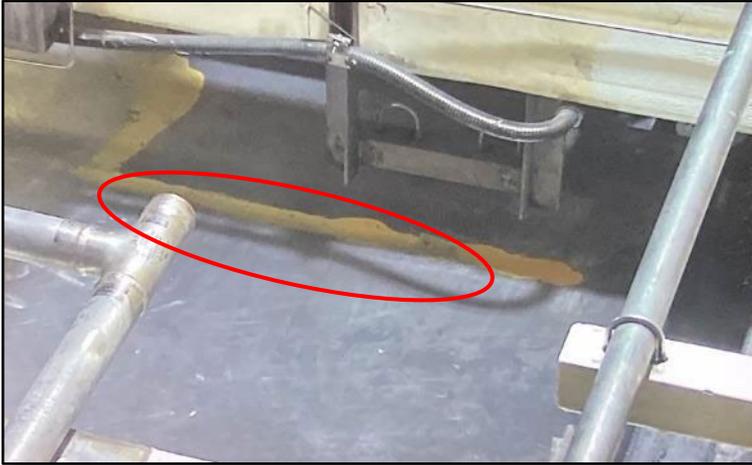
Success and Issues:

- Minor simulant leak observed in DMR Process Cell
 - ✓ Completed shutdown, investigation, repair, and extent of conditions review
- Completed System Performance Testing Part I (baseline with simulant)
- Completed System Performance Test Part II (with simulant)
- **Initiated sodium-bearing waste processing on April 11, 2023**
 - ✓ Blended waste feed of 90% simulant / 10% sodium bearing waste

Goals for remainder of 2023:

- Transition to 100% waste processing (i.e., not blended with simulant)
- Conduct System Performance Test (emissions testing)
- Continue processing sodium-bearing waste
- Continue planning for next radiological facility outage
- Initiate field construction efforts for additional product storage building
- Convert on-site nitrogen generation system from diesel to electric compressors

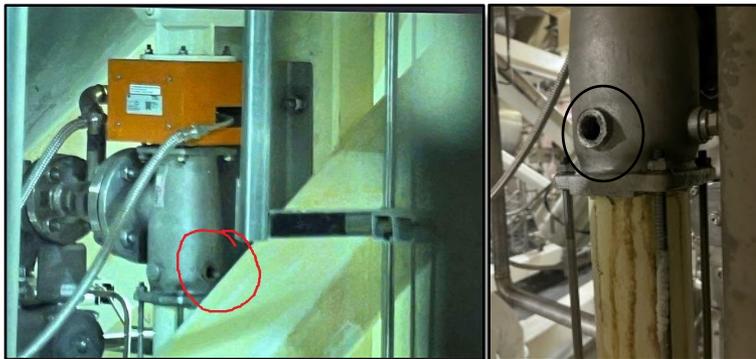
DMR Process Cell Simulant Leak



Simulant leaked onto process cell floor



Remnants of missing plug below wet decon pump



Plug missing from wet decon pump



Path to Waste Processing

Completed:

- ✓ Readiness Reviews—verified readiness for radioactive sodium bearing waste processing
- ✓ Completed facility inspections and preparations for radioactive waste processing
- ✓ Operated facility on simulant and completed baseline emissions sampling
- ✓ Received DOE headquarters authorization to begin radioactive waste processing
- ✓ **Began processing sodium-bearing waste on April 11, 2023**
 - 90% simulant / 10% waste

Remaining:

- ❑ Continue processing sodium bearing waste
 - Ramp up to 100% sodium bearing waste
 - Complete permit-required System Performance Test
 - Routine waste treatment operations



Ike White and Connie Flohr sign IWTU's first canister destined to receive radioactive waste



Questions?

