



# Integrated Waste Treatment Unit

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**Mark C. Brown**  
Deputy Manager

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**EM** Environmental Management

safety ❖ performance ❖ cleanup ❖ closure

Idaho Cleanup Project

# IWTU Successes, Issues, and Goals

## Successes and Issues:

- Successfully integrated gaseous nitrogen plant into facility operations
- Confirmatory Run successfully completed
- Outage L confirmed Process Gas Filter issues fully resolved
- Erosion discovered under Product Receiver Cooler 0
  - ✓ Completed repair; extent of condition review completed
- Confirmatory Run identified that an additional product storage is needed
  - ✓ Conduct planning and design efforts for additional product storage

## Goals for remainder of 2023:

- Startup facility and conduct baseline emissions testing using simulant
- Processing sodium-bearing waste
- Begin planning for next facility outage
- Continue planning efforts for additional product storage building



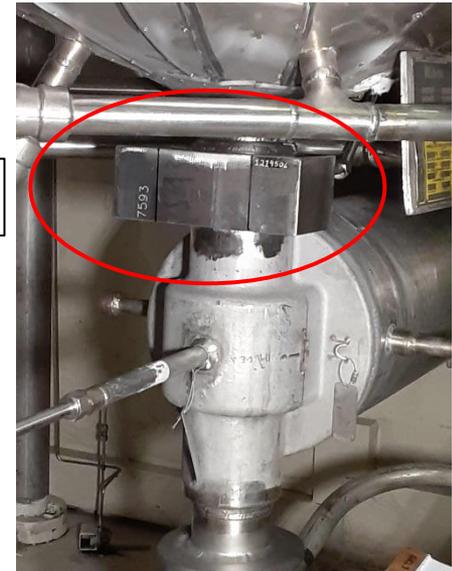
# Product Receiver Cooler 0 Valve Erosion



Eroded hole below PRC-0



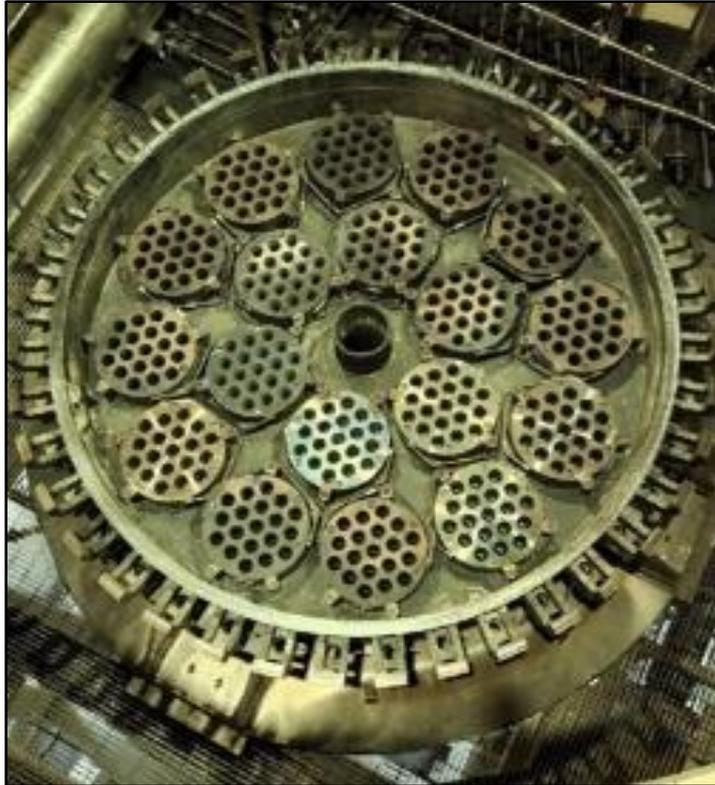
Weld repair



Weld repair



# Preparations for Waste Processing



PGF tubesheet and filter inspection following confirmatory run

Product Storage Building after removal of temporary simulant tanks



# Path to Waste Processing

## Completed:

- ✓ Readiness Reviews—verified readiness for radioactive sodium-bearing waste processing
- ✓ Completed facility inspections and preparations for radioactive waste processing

## Remaining:

- Startup and operate facility on simulant (2-4 weeks)
  - Conduct baseline emissions sampling
- Receive DOE headquarters authorization to begin radioactive waste processing
- Begin processing sodium-bearing waste
  - Blended tank waste with simulant during initial operations
  - Complete permit required System Performance Test
  - Routine waste treatment operations



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# Questions?



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