

# Fort Calhoun Station Decommissioning Update October 2021

Tim Uehling – Senior Director FCS Decommissioning

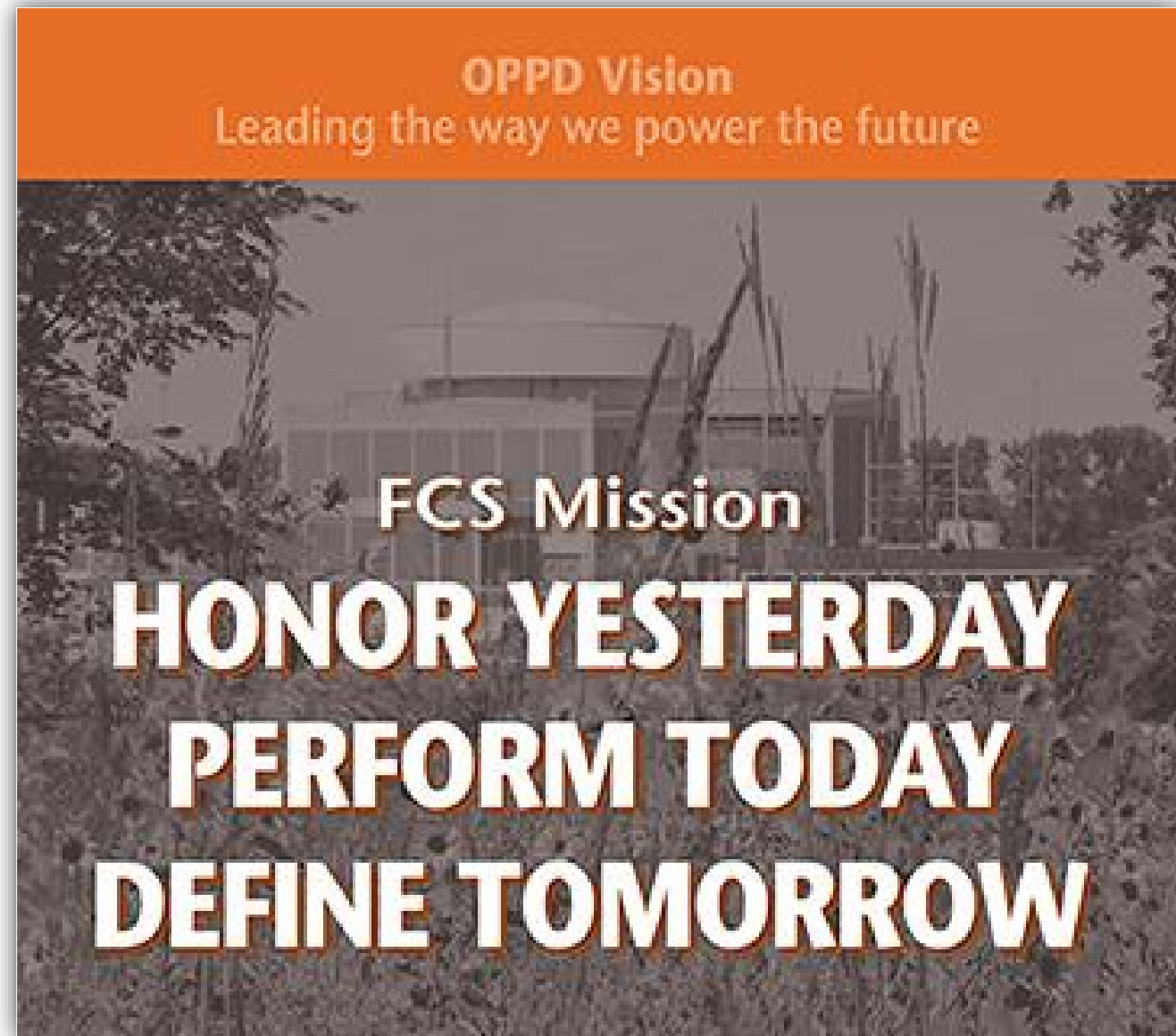




**OPPD**  
Omaha Public Power District  
08/20/2021

# Agenda

- Major accomplishments
- Future activities preview
- Performance Challenges  
& Opportunities
- Questions

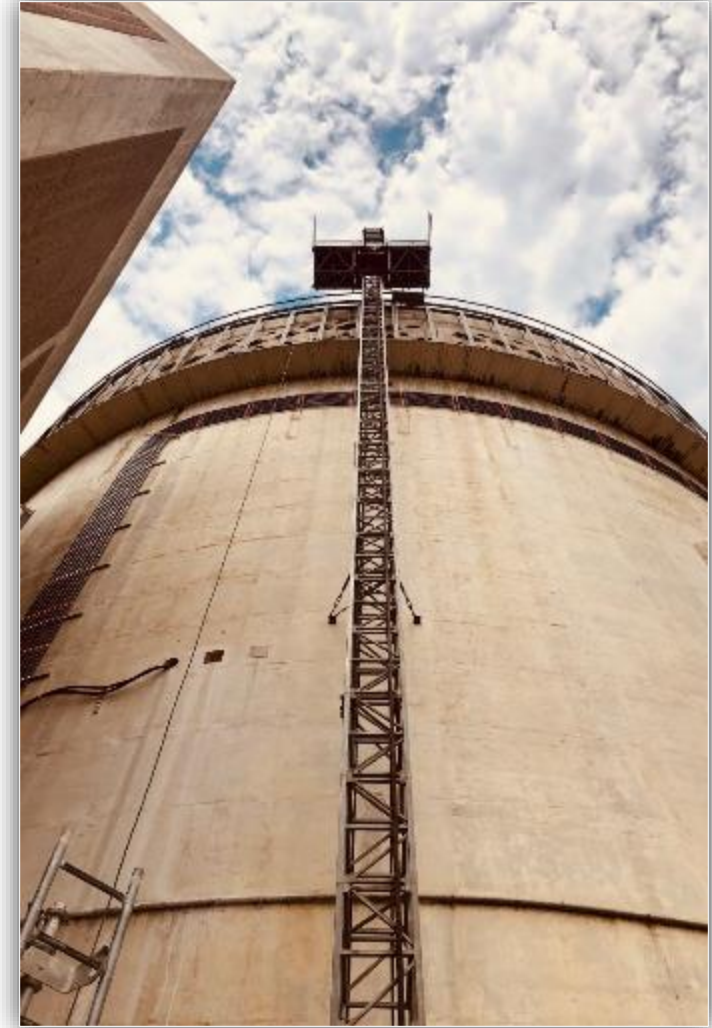


# Future Activities Timeline (\*slide from Oct. 2020 Board presentation)

## By the end of 2021

- Containment ready for RVI\* work
- RVI segmentation equipment on-site
- Rail & waste processing facility operational
- Several clean building demos complete
- License Termination Plan submitted to NRC
- Improve safety performance

\*RVI = Reactor Vessel Internal

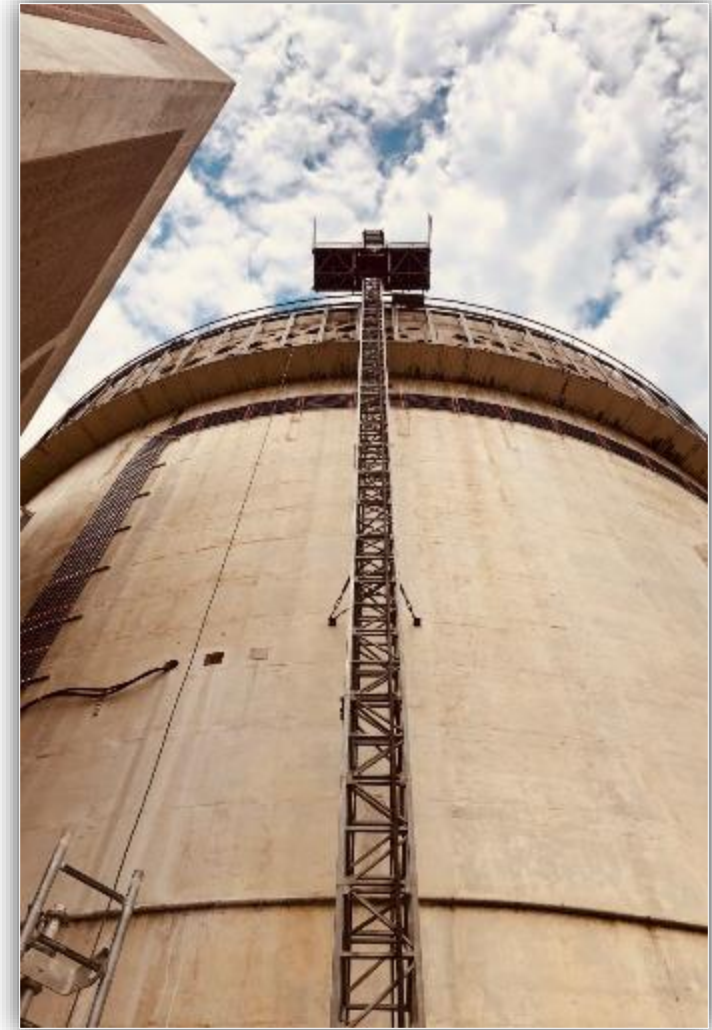


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# Safety Performance

- Continued safe, secure storage of spent nuclear fuel
- No challenges to nuclear or radiological safety
- No challenges to environmental safety
- No OPPD employee DART injuries since 2018



# Preparing for RVI Equipment Move-In



# Preparing Containment for RVI





# RVI Equipment On-Site



# Rail & Waste Processing Facility Operational



# Warehouse Demolition



# Chemistry & Maintenance Building Demolition



# Security Building Demolition



# License Termination Plan Submitted

OCA: Owner  
Controlled Area

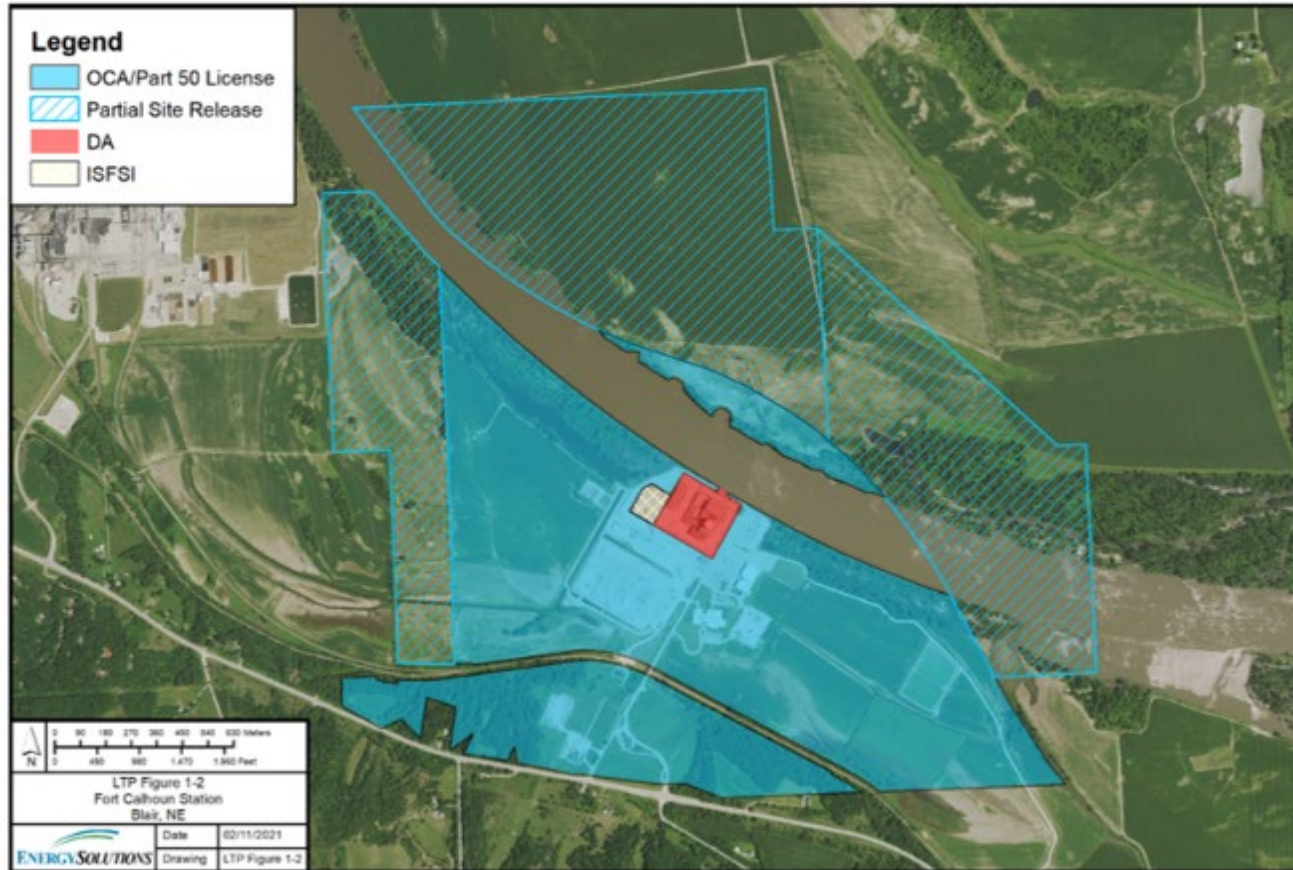
DA: Deconstruction  
Area

ISFSI: Independent  
Spent Fuel Storage  
Installation

FORT CALHOUN STATION DECOMMISSIONING PROJECT  
LICENSE TERMINATION PLAN  
REVISION 0

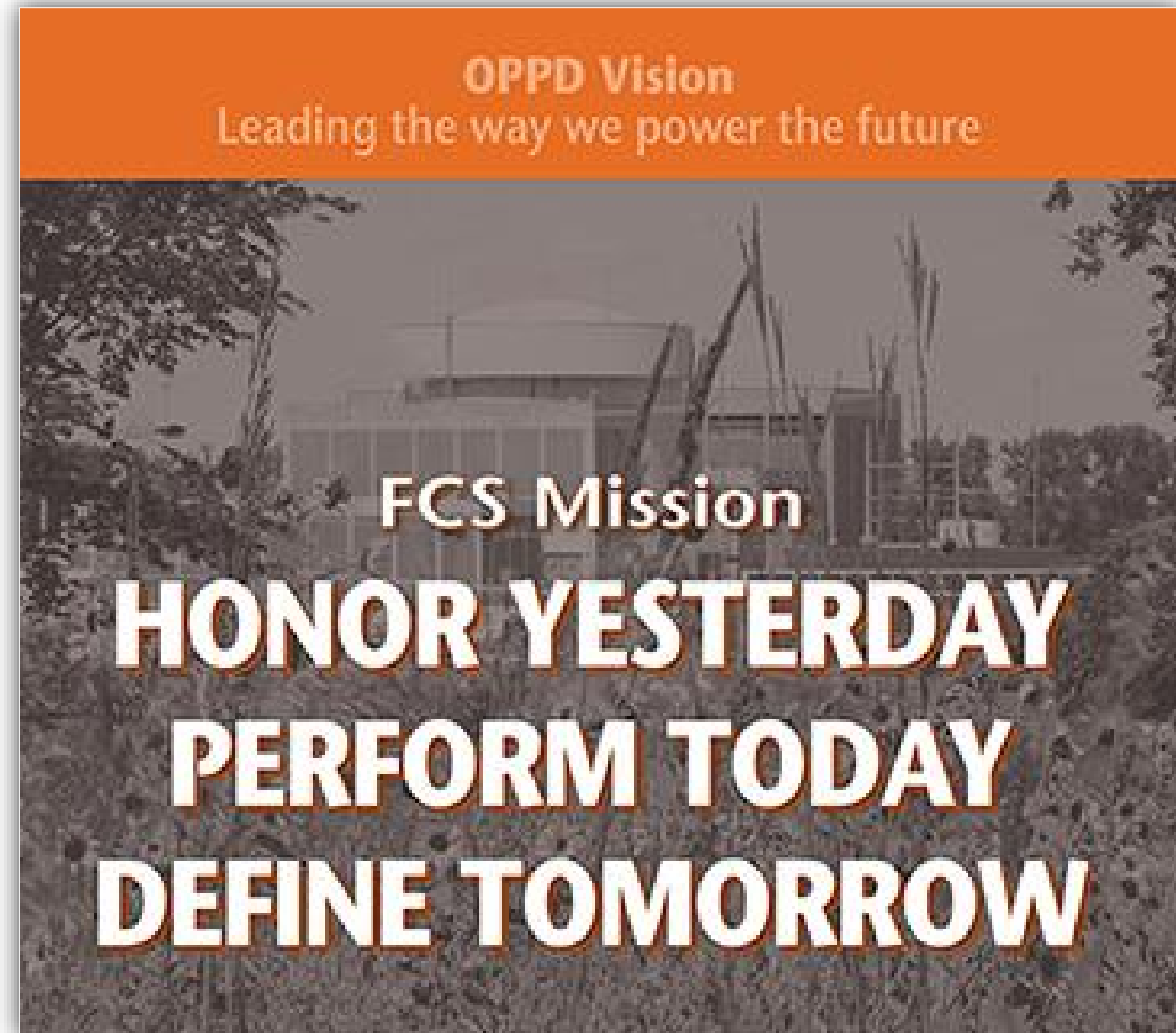


Figure 1-2 FCS Owner Controlled Areas

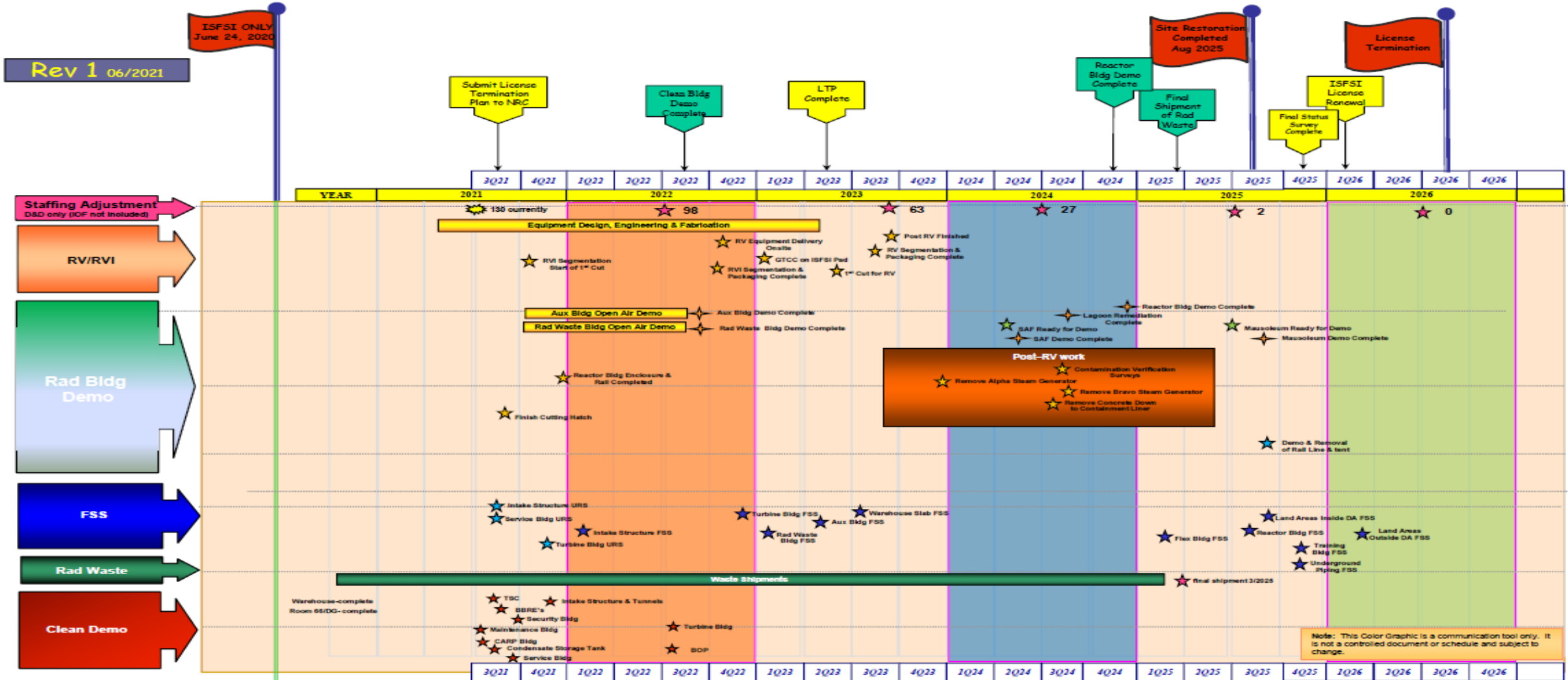


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# Fort Calhoun DECON Timeline





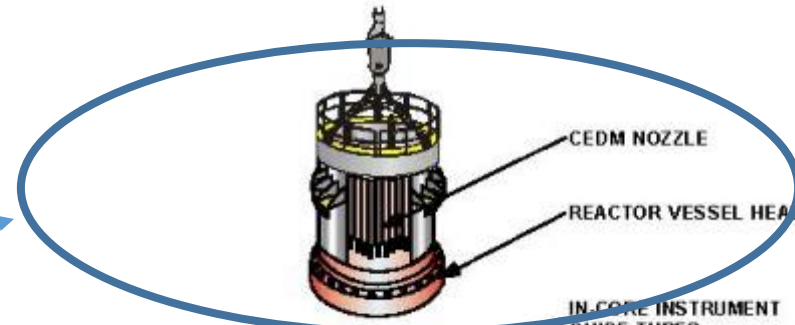
# Future Activities Timeline

- Turbine building demo complete: 3Q2022
- Auxiliary building demo complete: 4Q2022\*
- RVI segmentation complete: 1Q2023
- Reactor vessel segmentation complete: 3Q2023
- Containment equipment removed: 4Q2024
- Containment demo complete: 3Q2025
- Substantially complete: 4Q2025
- Final Status Survey complete: 4Q2025
- License termination: ~4Q2026

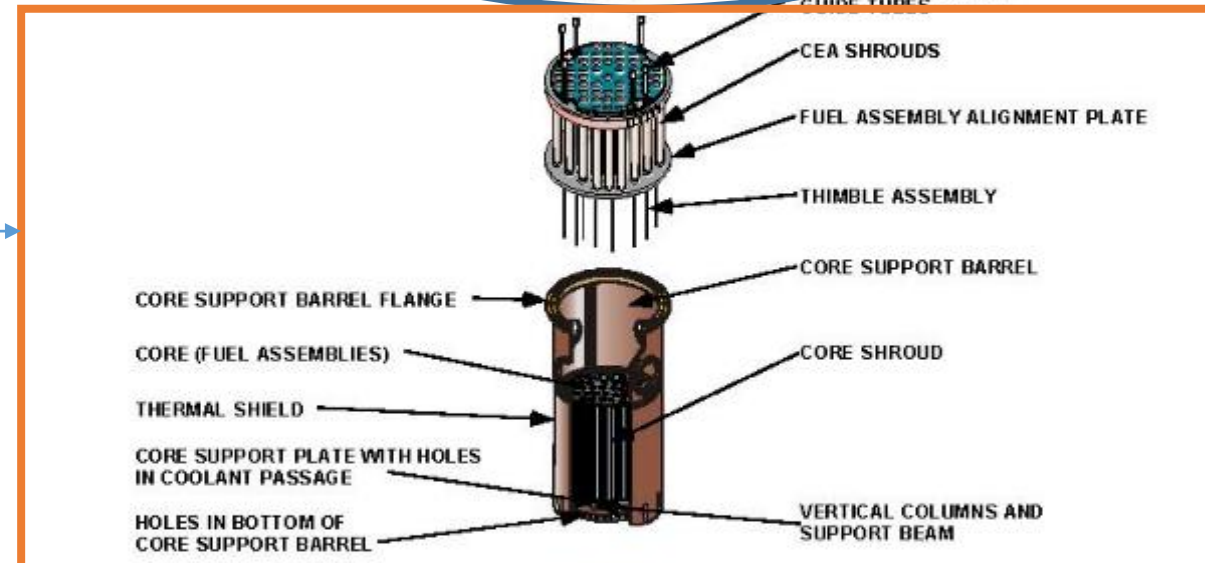
\*Note: date improved over original plan (opportunity to gain margin)

# Segmentation

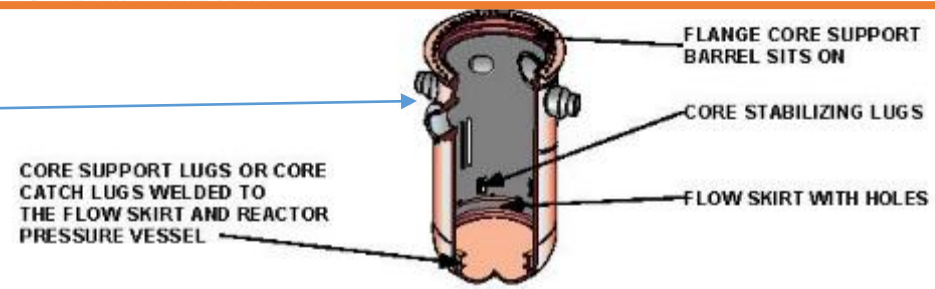
Reactor Head & Seismic Skirt



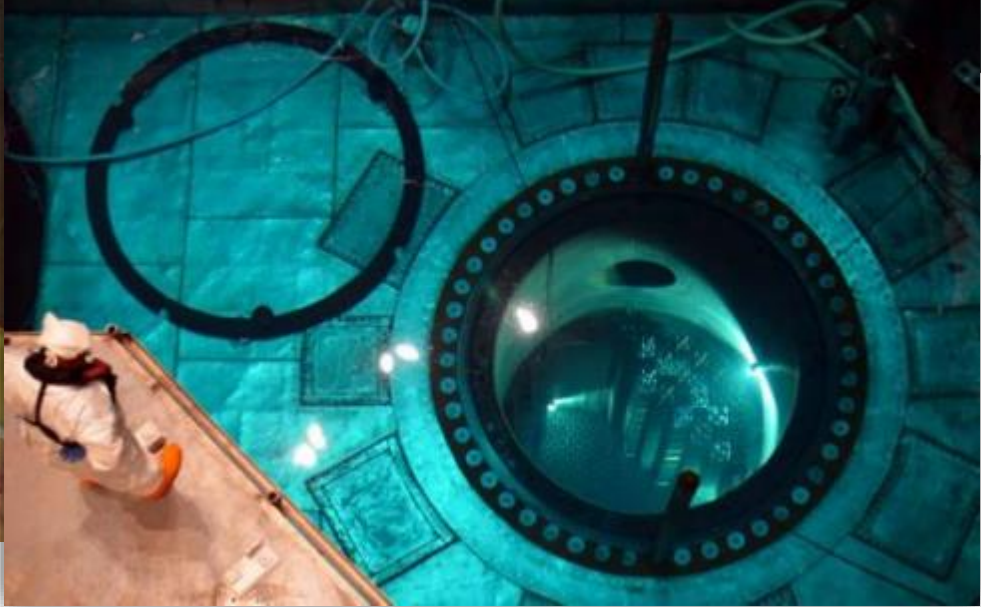
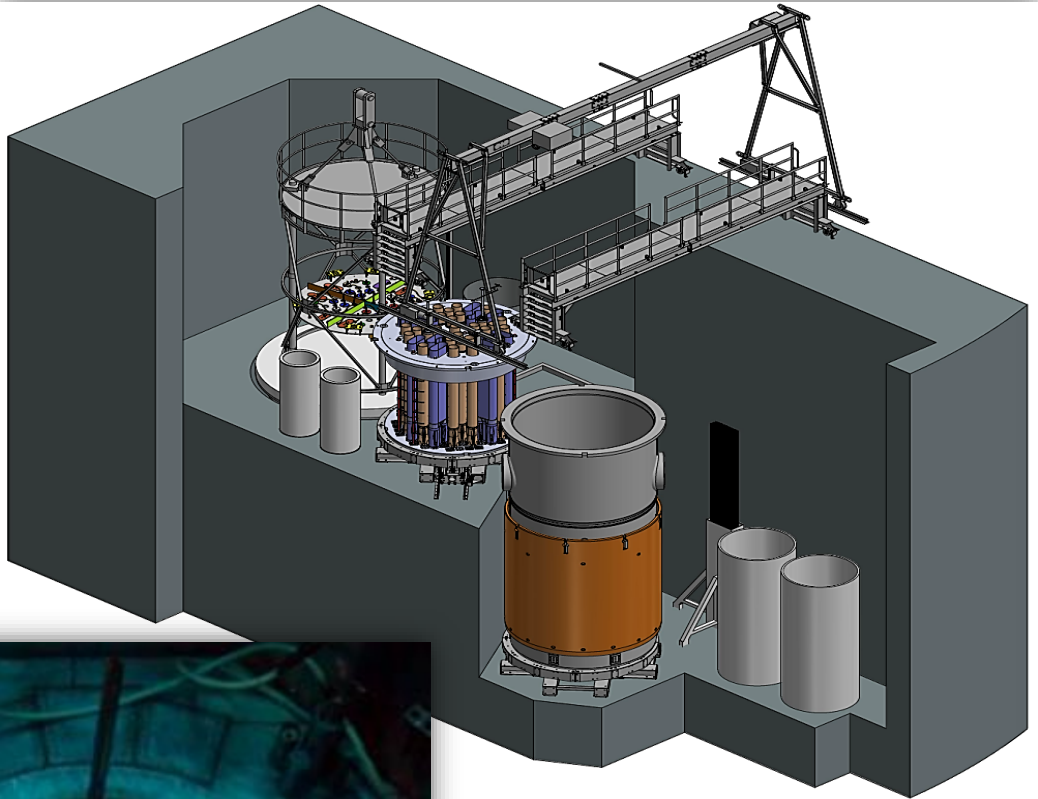
Reactor Vessel Internals



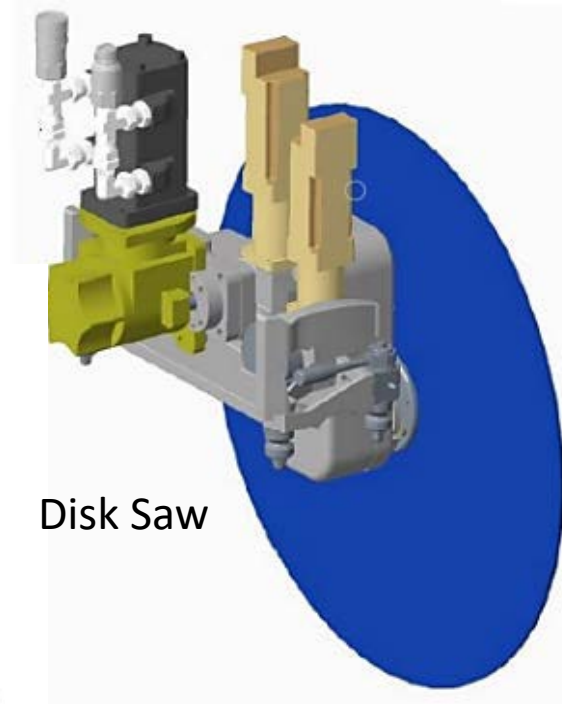
Reactor Vessel



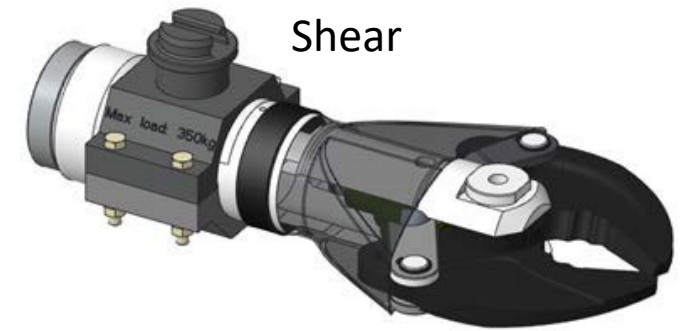
# RVI Segmentation



# RVI Segmentation



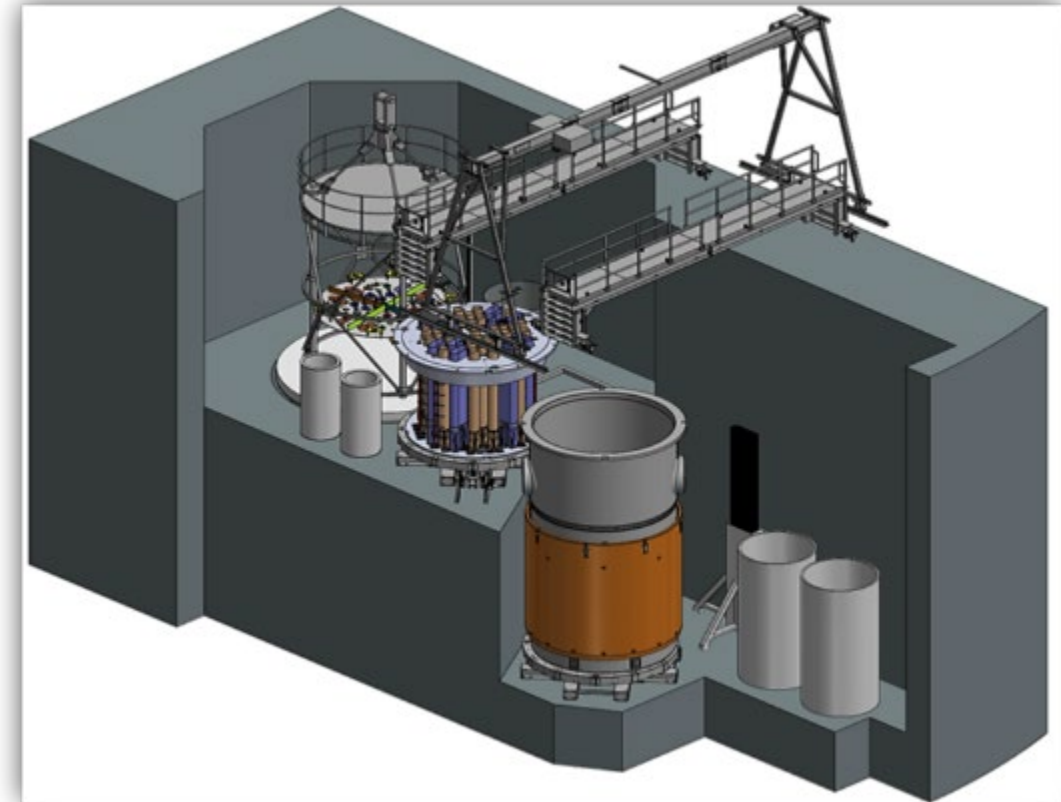
Disk Saw



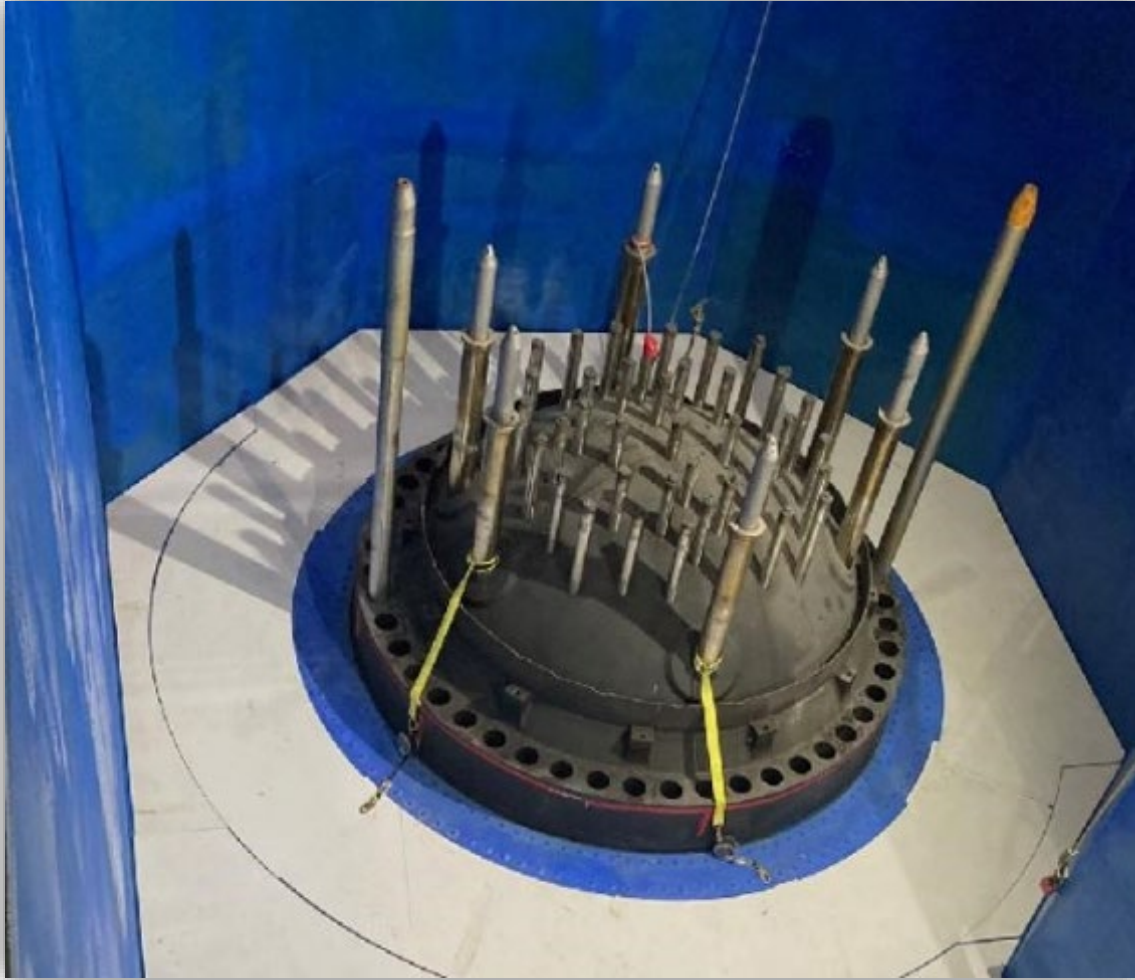
Shear



Band Saw &  
Turntable



# RVI Segmentation



# RVI Segmentation

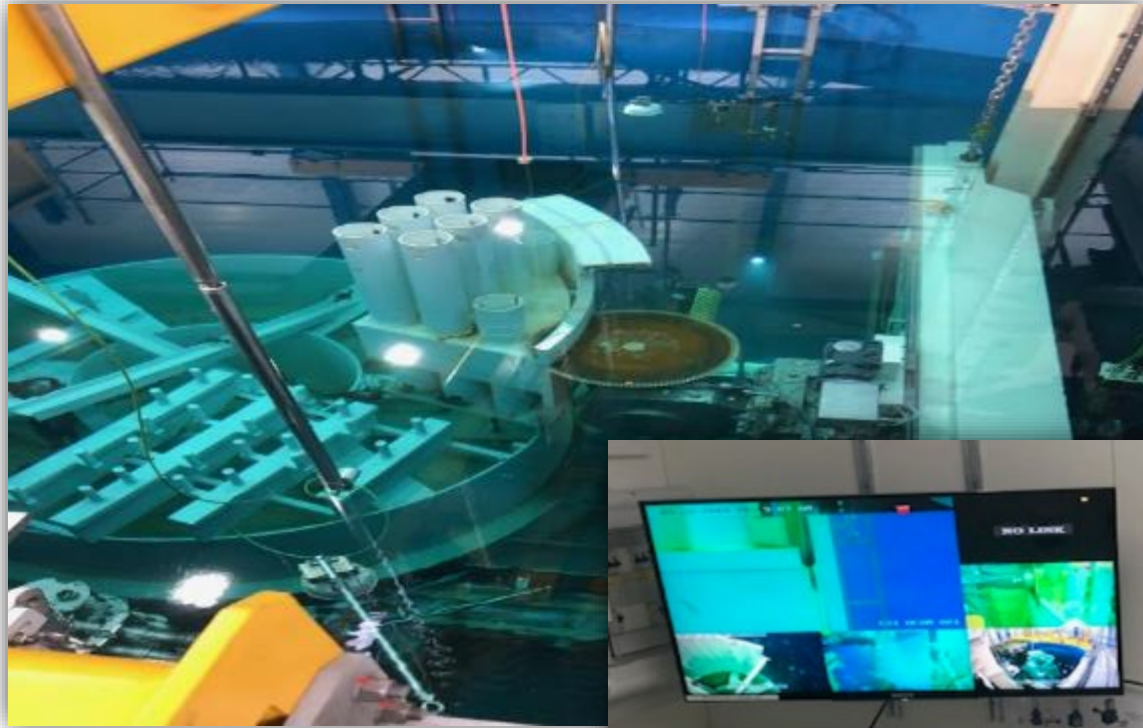
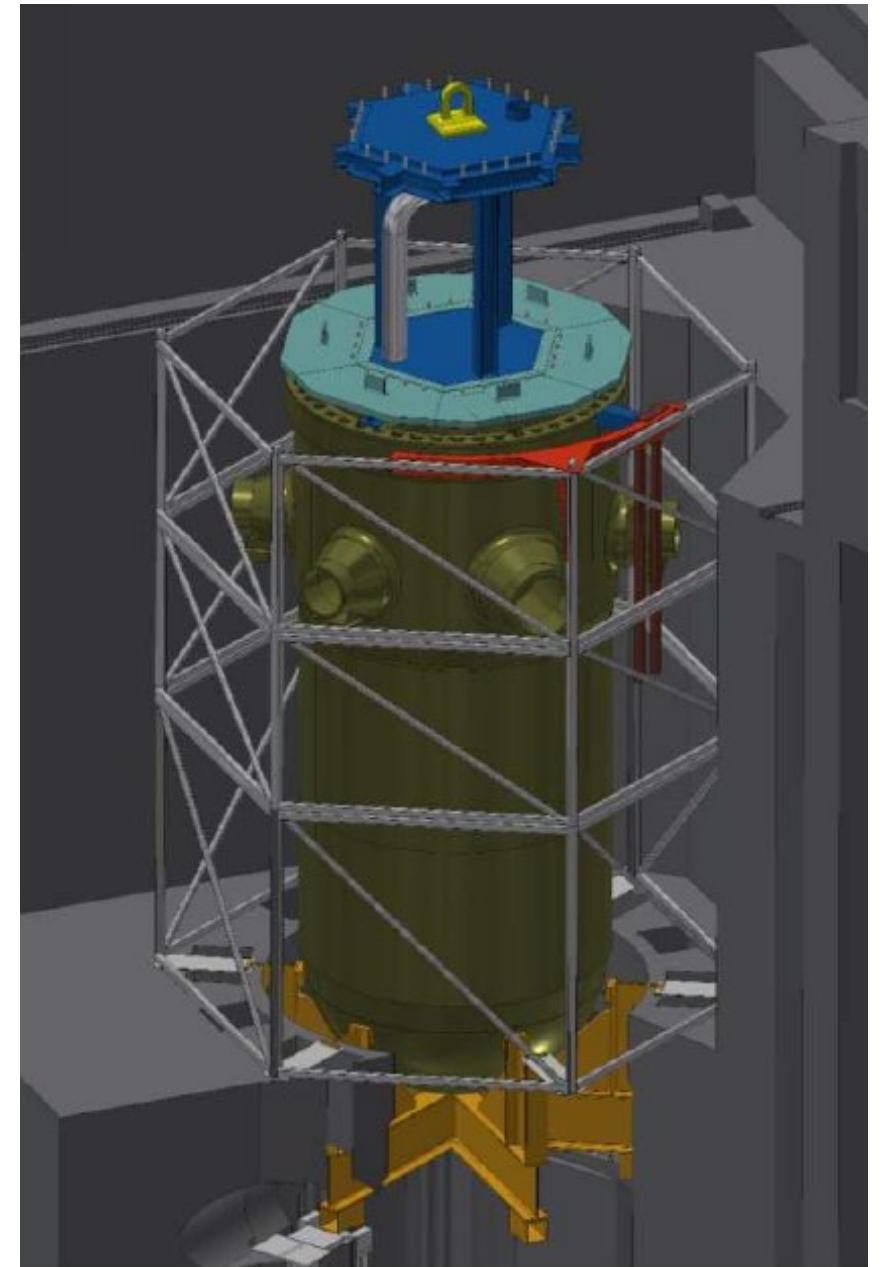
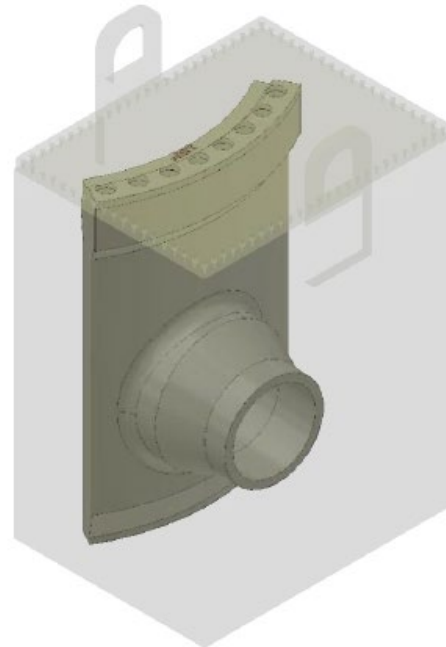
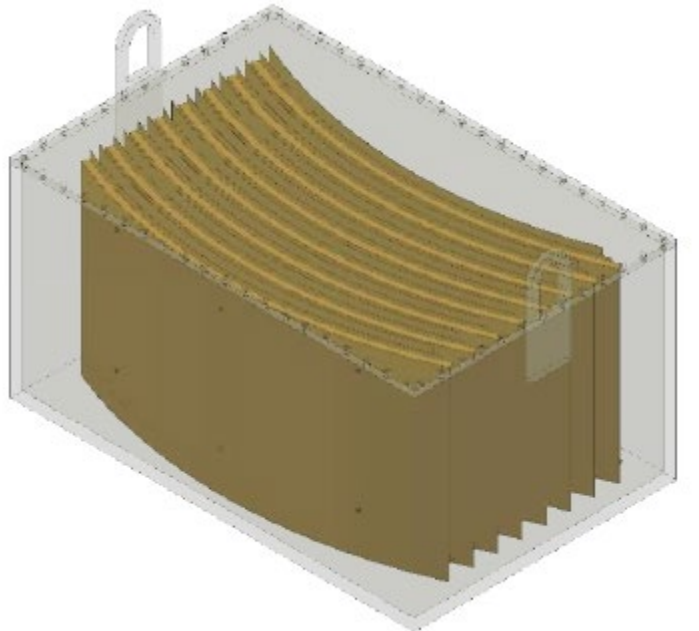
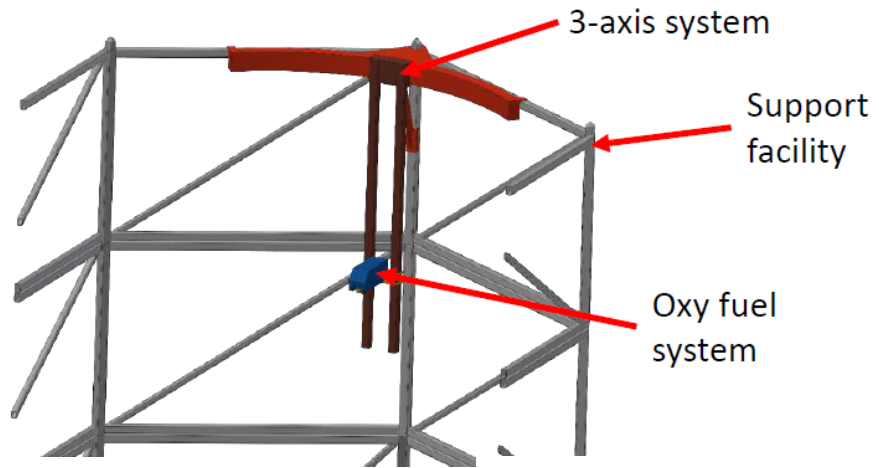


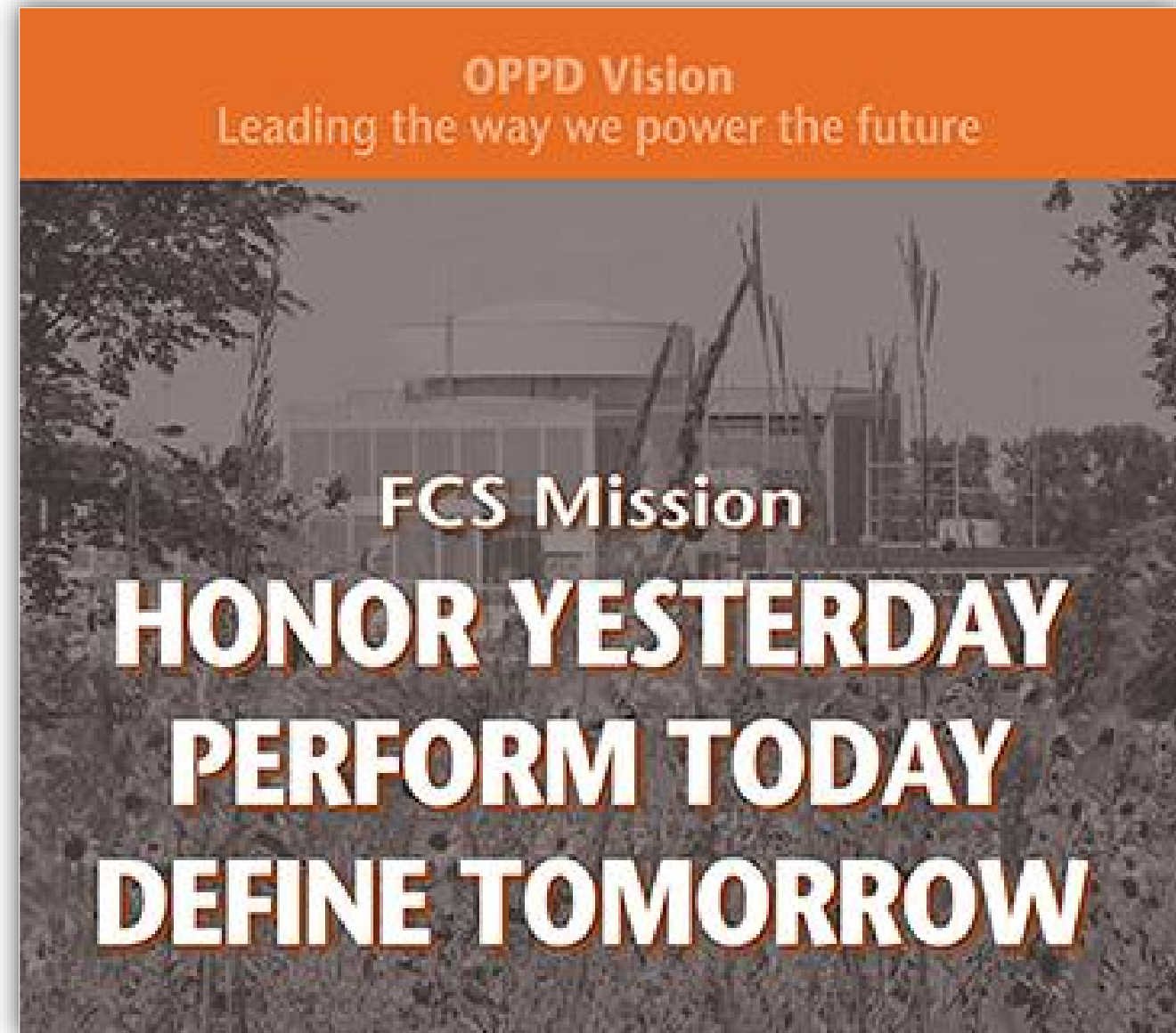
Illustration Only –  
Not the FCS specific system

# RV Segmentation



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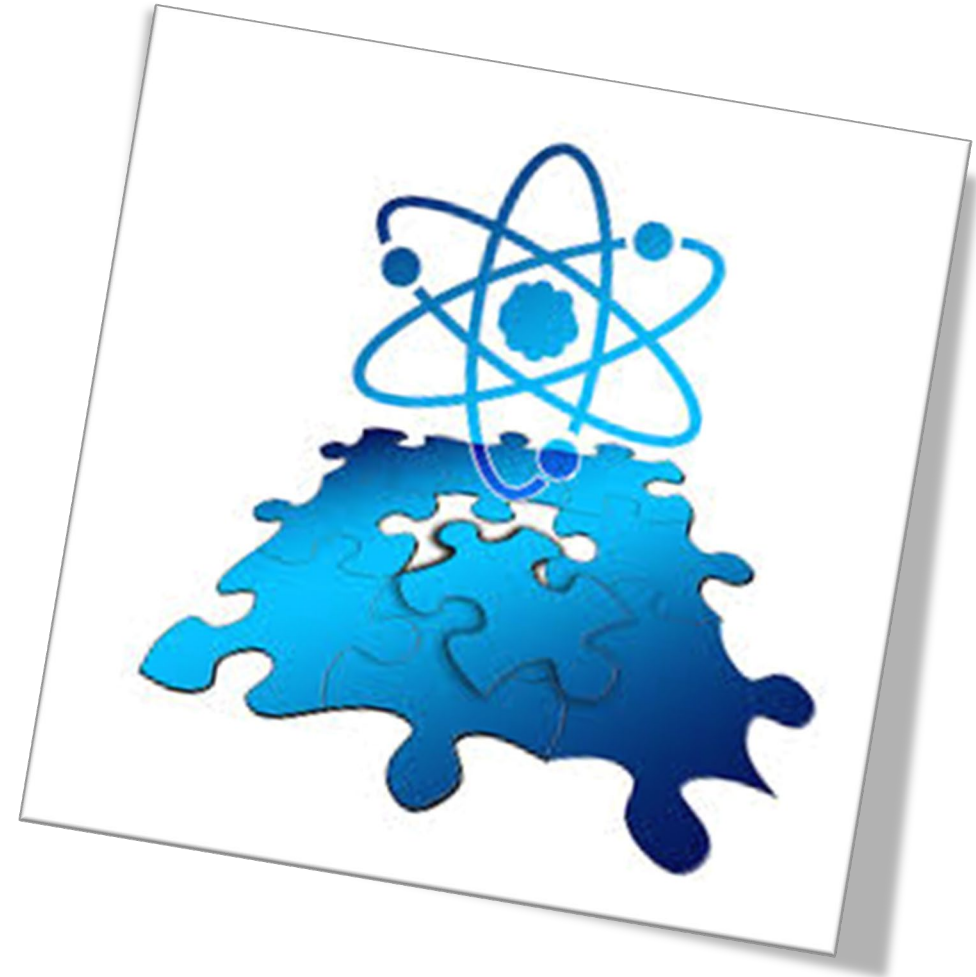


# Performance Challenge

Decommissioning is a complex, dynamic project made up of numerous interrelated & interdependent sub-projects

Ebbs and flows in schedule and cost performance against the original schedule are expected and continue to occur based on these challenges

Not every individual project comes in on-time and on-budget with the initial estimate



# Complexity & Coordination Illustration



# Continuous Improvement Opportunity

- Despite the complex challenges, overall project substantial completion is targeted by the end of 2025, with our financial estimate at completion on track with the planned budget
- Our opportunity is to further refine individual project scopes, schedules, costs, and critical interfaces between projects to maximize safe, efficient deconstruction while continuing to meet environmental and regulatory commitments



Other Questions...