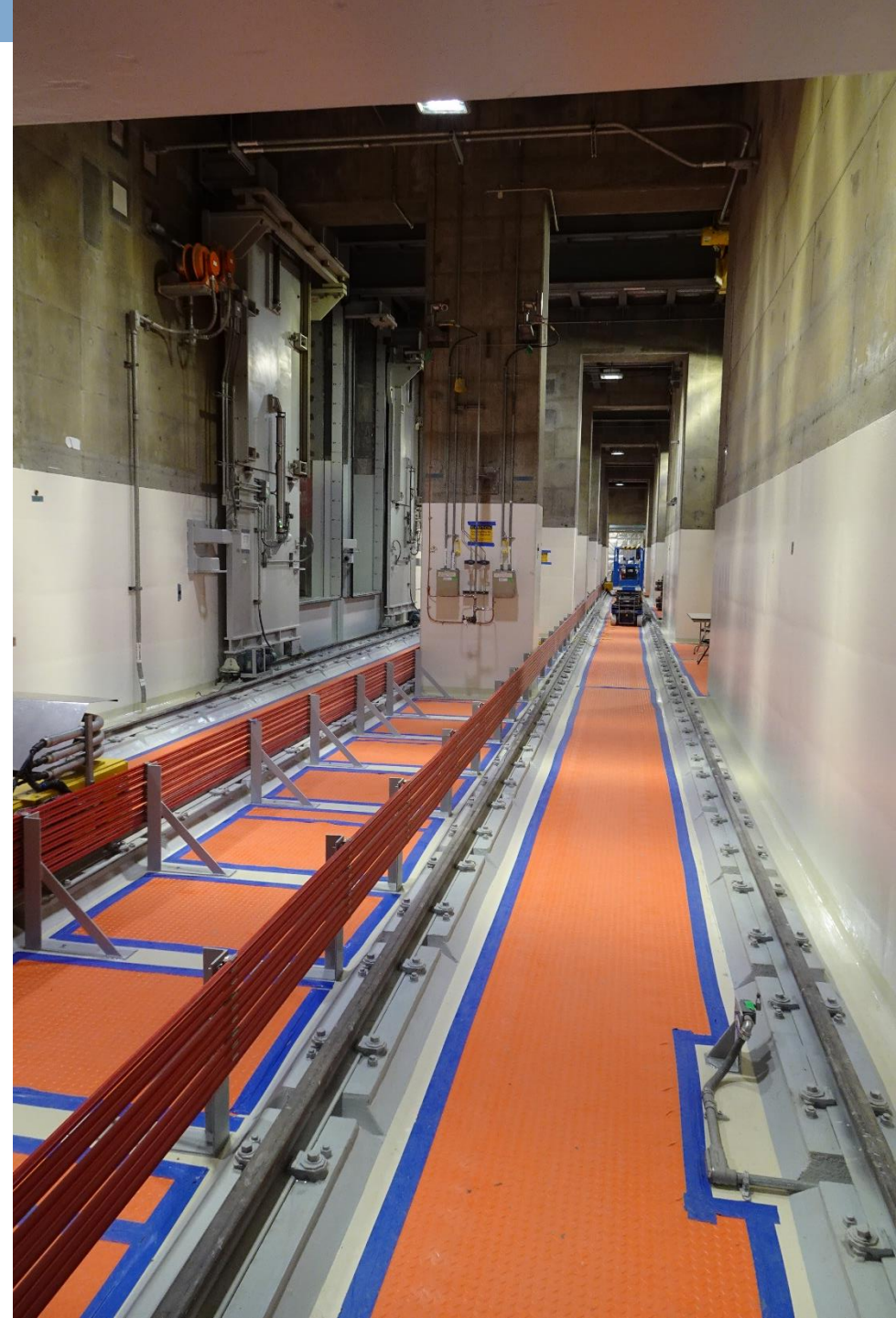


NAS Public Meeting – Continued Analysis of Hanford Supplemental Low Activity Waste Treatment

Jay Decker
April 28, 2022

Overview

- Limited time to review the FFRDC draft
- FFRDC appears to be on a good path
- NAS review suggestions
- Ecology responses in Appendix J



Status

- DFLAW Commissioning
- Program of Record, Tri-Party Agreement, and Consent Decree
- Holistic Negotiations and Analysis of Alternatives
- SLAW v. Alternative Treatment as discussed in some AoA Alternatives
- SLAW decision implementation:
 - EIS Supplement and ROD Amendment
 - Ecology regulatory determination - implementation through TPA updates and permits



NAS Review #1

- Concur with finding & recommendations, particularly:
 - Urgency of addressing the deteriorating tanks within budgetary realities
 - “simplifying and narrowing” factors to the most salient, decision-relevant differences
 - Factor analysis/dimensional reduction and use of simple graphics to make data tractable and to simplify complex comparisons

Review of the Continued Analysis of the Supplemental Treatment Approaches of Low-Activity Waste at the Hanford Nuclear Reservation

Review #1

Committee on Supplemental Treatment of Low-Activity Waste at the Hanford
Nuclear Reservation

Nuclear and Radiation Studies Board

Division on Earth and Life Studies

A Consensus Study Report of
The National Academies of
SCIENCES • ENGINEERING • MEDICINE

THE NATIONAL ACADEMIES PRESS
Washington, DC
www.nap.edu

April FFRDC Draft Report

- Tc-99 & I-129 pretreatment updates
- Focus on expediting SST retrievals and disposal and help bridge to budgetary realities
- Discussion on “Breaking the Recycle Loop”
 - Consequences and consideration of disposal
- Comparisons of FFRDC costs with AoA costs
 - Estimate detail and clarity
 - Validity of results favoring grout
- Presentation of escalated and present value figures in report body

**Follow-on Report of Analysis of
Approaches to Supplemental
Treatment of Low-Activity Waste at
the Hanford Nuclear Reservation**



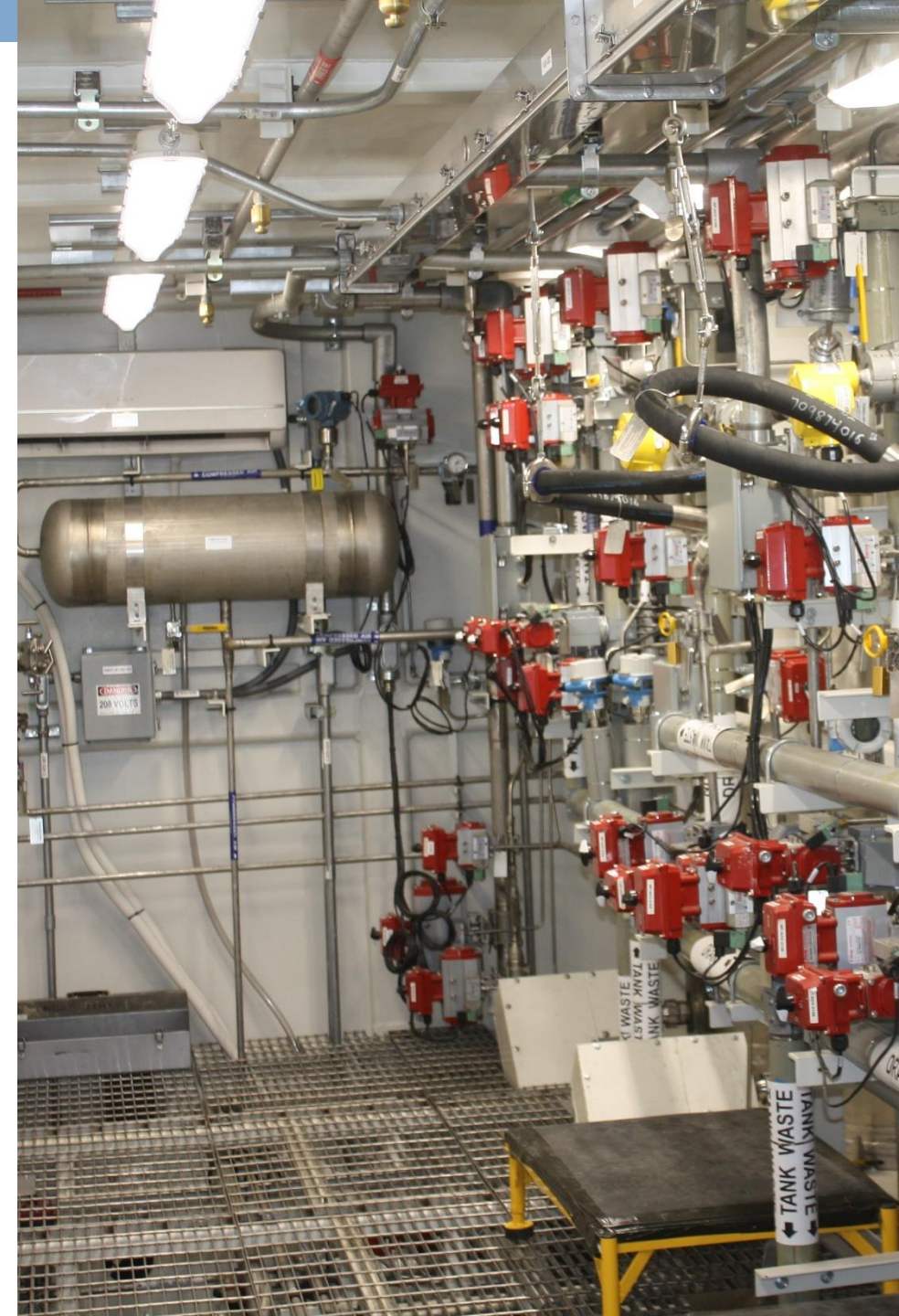
Name

Month 2022

SRNL-, Volume I, Revision 0 DRAFT

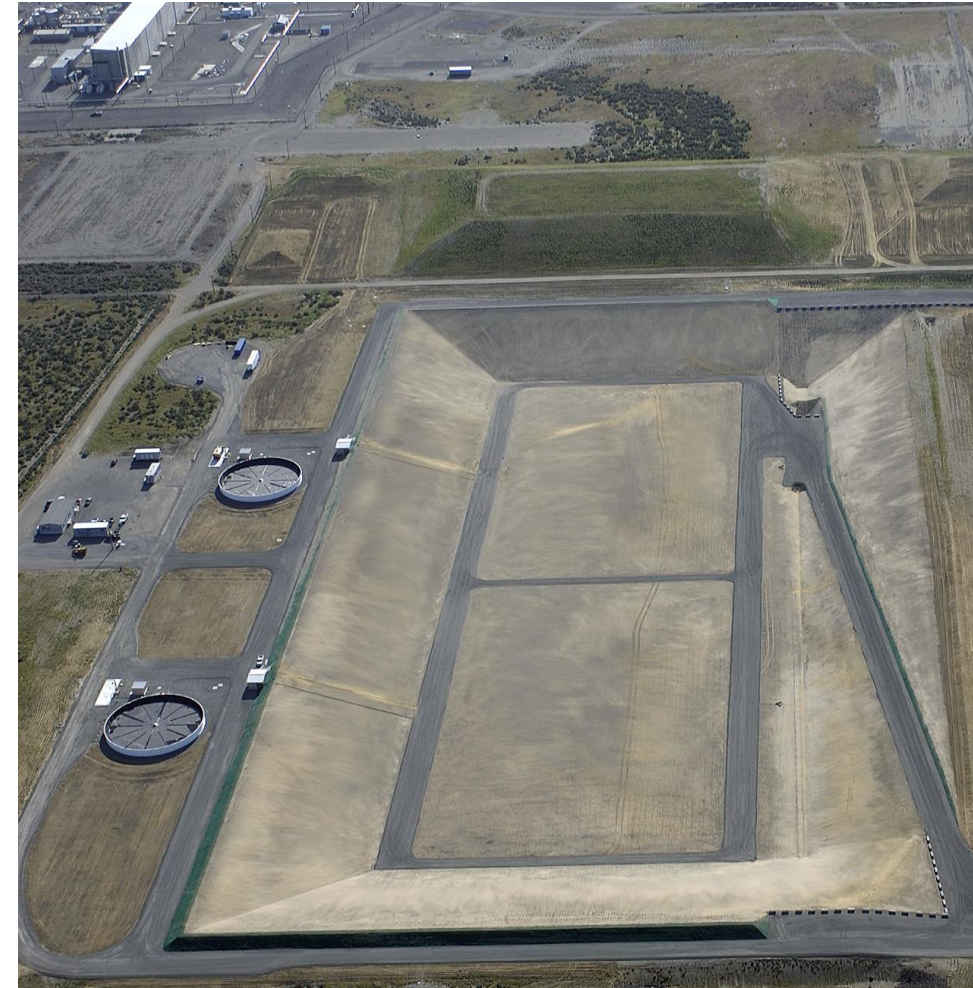
April FFRDC Draft Report

- System Plan 9 1B Feed Vector:
 - Analysis of Alternatives schedules (RPP-RPT-61957):
 - HLW paces the mission
 - Slurry solids caustic leaching
 - Evaporation for LAW & HLW feed streams
 - Tank retrieval sequence
 - Impacts to:
 - Radiological and chemical hazard reduction?
 - SST retrieval completion?
 - HLW slurry solids treatment support need?
 - Cross site transfer line need?
 - How do likely AoA feed vectors affect this analysis?



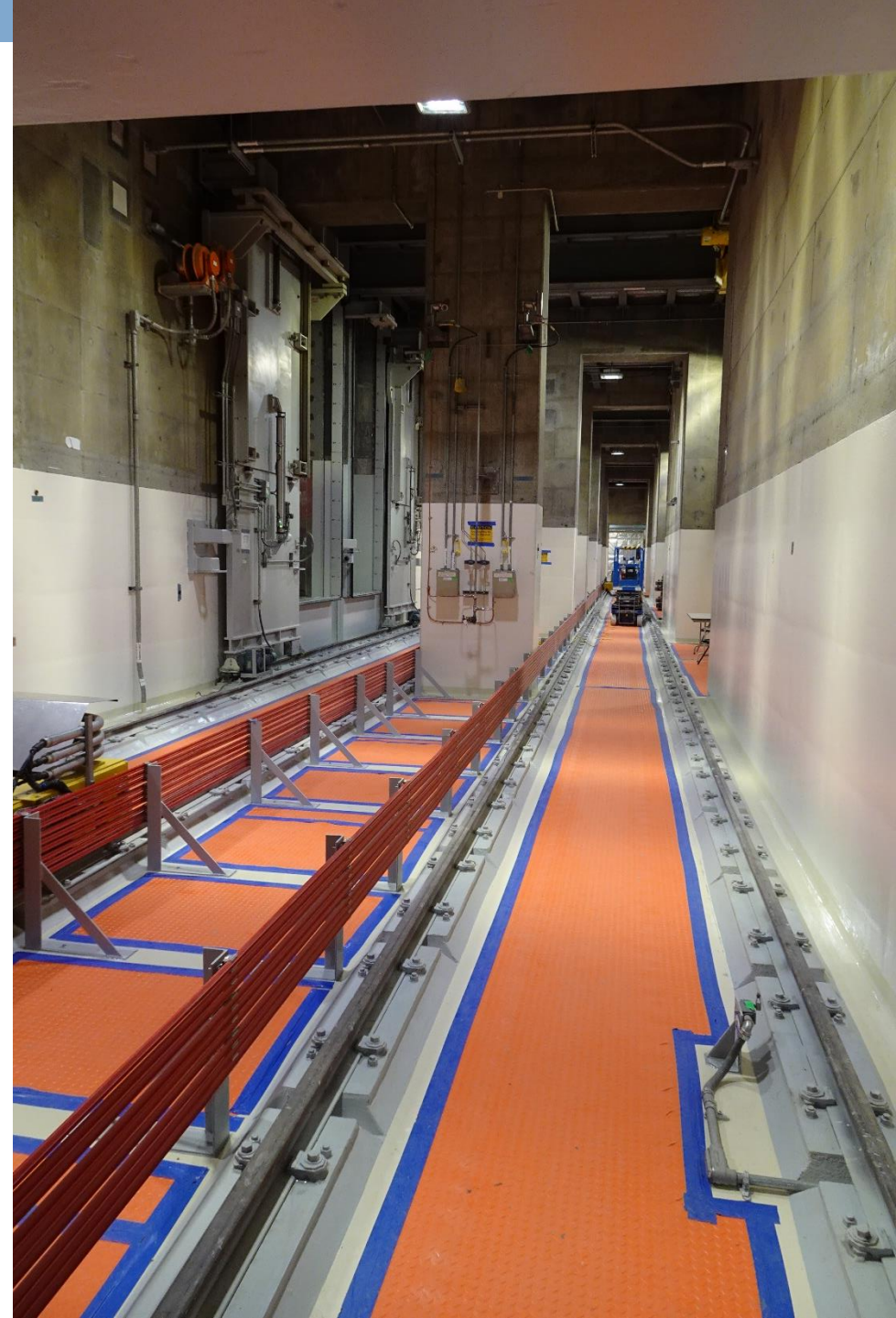
On-site Disposal

- Report maintains on-site grout disposal is feasible
- Acknowledges additional work is needed



Summary

- Limited FFRDC draft report review
- FFRDC appears to be on a good path
- NAS review suggestions
- Ecology responses in Appendix J





Thank you

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