

SRNL's Role in the EM Mission

Mark Gilbertson

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Departmental Focus on National Laboratory Governance

CRENEL and SEAB Task Force Recommendations

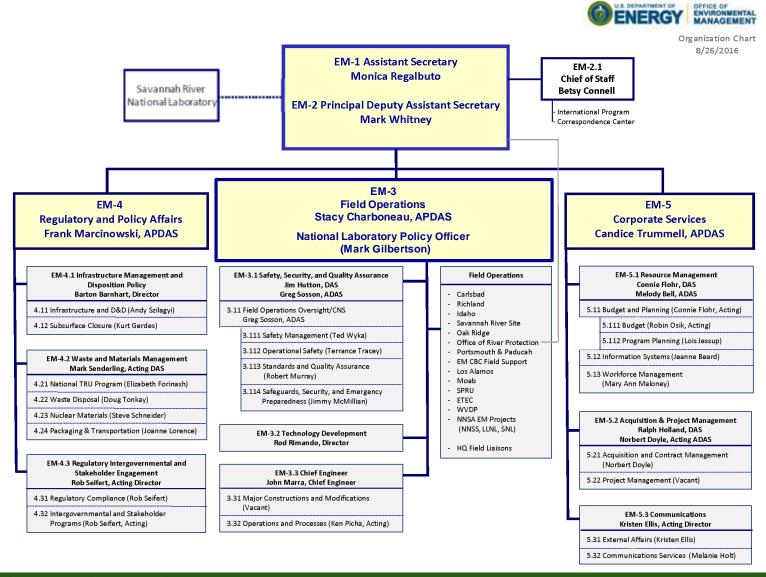
- Restore Federally Funded R&D Center (FFRDC) model
 - Recognize special relationship
 - Partnership with sponsor
 - Continuity beyond contractor period of performance
 - Integrate laboratory capabilities with sponsor needs and priorities through joint strategic planning
- Maintain mission alignment and quality
 - o Institute annual planning and evaluation process
 - Adapt planning and evaluation processes of Office of Science

DOE Response

- Develop and implement a consistent governance framework
 - o Define governance principles, key functions, and management roles and responsibilities
 - Adapt core elements and attributes from Office of Science model

"One of my priorities as Secretary has been to reset this critical relationship—to improve the strategic partnership between the Department and the National Laboratories and, in emphasizing an enterprise-wide Department of Energy approach to the lab system, to help maximize their unique role in the Nation's innovation ecosystem."

U.S. Department of Energy Secretary Ernest Moniz



SRNL Support to EM Sites

Field Offices work with SRNL to accelerate site clean-up missions

Execution

- SRNL supports every EM site
 - Integration with EM Chief Engineer and EM Technology Development programs
- SRNL dedicates POC for each site
 - Site offices/contractors
 - Coordination and reachback
- SRNL leads EM National Laboratory Network
 - Coordination with other EM-related Labs
- SRNL supports site technology planning & prioritization meetings to identify needs

Benefits

- Assures reliable National Laboratory support for process engineering and technology deployment issues
- Provides clear access to Lab resources to address site needs
- Enables "best team" approach for National Laboratory support
 - Mapping challenges to National Laboratory Network competencies
- Establishes conduit connecting site challenges and needs to
 - Technology development programs
 - Lab LDRD programs

EM's National Laboratory Mandate

- Expand SRNL's efforts to help DOE-EM meet Complex-wide objectives
 - Apply nuclear chemical process engineering to accelerate HLW cleanup
 - Apply innovative approaches to D&D and S&GW cleanup
 - Provide expertise to develop and evaluate technical approaches
- Use SRNL to adopt Advanced Manufacturing practices to accelerate accomplishment of the EM Mission
 - o Robotics, Process Intensification, Process Modeling, Computational Chemistry, Virtual Reality, Cyber Security
 - Build a community of academic, government and industry innovation leaders
- Use SRNL to train the next generation of EM scientists and engineers
 - Leadership for EM Minority Serving Institutions Program
 - Partnerships with universities



Modular Caustic-side Solvent Extraction Unit



Virtual Reality to support D&D



Instituting the Principles of SRNL Governance

EM establishes governance structure

- Laboratory Policy Office
- Written governance framework and implementation plan
- Close coordination and partnership with NNSA

SRNL manages EM Process Engineering competencies

- Active SRNL presence at all EM sites
- Technology planning & prioritization process conducted at all sites
- LDRD aligned with EM mission needs
- Lab competency review process in place

SRNL Strategic Plan developed with input from EM, NNSA, and sites

- Addresses strategic initiatives, infrastructure, workforce
- Reviewed annually

SRNL operates as separate business unit

- Consolidated PEMP addressing all parts of SRNL scope
- Periodic HQ reviews of PEMP
- Expectations of Lab defined and communicated

