

# Department of Energy Washington, DC 20585 OCT 2 5 2016

#### MEMORANDUM FOR DISTRIBUTION

FROM:

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SUBJECT:

Savannah River National Laboratory, "EM's National Laboratory"

Recently I took the first steps toward implementing the Department's initiatives to strengthen and reinvigorate the relationship between the Department of Energy (DOE) and its network of National Laboratories by creating the Laboratory Policy Office (LPO), and generating the attached National Laboratory Governance Framework (Framework).

The Savannah River National Laboratory (SRNL) is the DOE Office of Environmental Management (EM) national laboratory and I expect its resources to be used to assist in the cleanup of the Cold War legacy waste for which EM is accountable. As outlined in the EM Mission & Functions Document, SRNL is:

"the applied research and development laboratory at the EM Savannah River Site (SRS). SRNL works to provide solutions for application to assist the EM mission across the complex. The laboratory employs stateof-the-art science to provide practical, high-value, cost-effective solutions to EM's cleanup activities. SRNL works collaboratively with other DOE laboratories to deploy technologies critical to environmental remediation and risk reduction; nuclear materials processing and disposition; nuclear detection, characterization and assessments; and gas processing, storage, and transfer systems."

The attached Framework was developed to describe the functions and responsibilities for stewarding and utilizing SRNL resources in accomplishing this mission. The Framework articulates the collaborative partnerships required to develop and implement the planning options and requirements that support efficient achievement of the EM mission.

The Field Offices, the EM Chief Engineer Office, and the EM Technology Development Office shall engage SRNL to identify National Laboratory science and engineering capabilities that can assist with technical issues affecting EM missions.

I have asked Mr. Mark Gilbertson, in his role as Senior Laboratory Policy Officer, to immediately implement this Framework across the EM Program. Please assist him by institutionalizing the Framework in the management of your offices.

Attachment

#### Distribution

Doug S. Shoop, Manager, Richland Operations Office Kevin Smith, Manager, Office of River Protection Jack Craig, Manager, Savannah River Operations Office Todd A. Shrader, Manager, Carlsbad Field Office Robert E. Edwards III, Manager, Portsmouth/Paducah Project Office Ralph E. Holland, Director, Environmental Management Consolidated Business Center Steven Feinberg, Manager, Separations Process Research Unit Bryan Bower, Director, West Valley Demonstration Project Office Donald Metzler, Director, Moab Federal Project Office John P. Zimmerman, Deputy Manager for Idaho Cleanup Project Scott Wade, Assistant Manager for Environmental Management, Nevada Site Office John A. Mullis II, Acting Manager, Oak Ridge Office of Environmental Management John Jones, Director, Energy Technology Engineering Center Douglas E. Hintze, Manager for Environmental Management, Los Alamos Field Office Monica C. Regalbuto, Assistant Secretary for Environmental Management Susan M. Cange, Acting Principal Deputy Assistant Secretary for Environmental Management Elizabeth A. Connell, Chief of Staff Joceline Nahigian, Acting Deputy Chief of Staff Stacy Charboneau, Associate Principal Deputy Assistant Secretary for Field Operations Frank Marcinowski, Associate Principal Deputy Assistant Secretary for Regulatory and **Policy Affairs** Candice Trummell, Associate Principal Deputy Assistant Secretary for Corporate Services James Hutton, Deputy Assistant Secretary for Safety, Security, and Quality Assurance Gregory Sosson, Associate Deputy Assistant Secretary for Field Operations Oversight/Chief of Nuclear Security Rodrigo Rimando, Director for Technology Development John Marra, Chief Engineer Barton V. Barnhart, Director for Infrastructure Management and Disposition Policy Mark Senderling, Acting Deputy Assistant Secretary for Waste and Materials Management Robert Seifert, Acting Director for Regulatory, Intergovernmental, and Stakeholder Engagement Connie Flohr, Deputy Assistant Secretary for Resource Management Melody C. Bell, Associate Deputy Assistant Secretary for Resource Management Ralph E. Holland, Deputy Assistant Secretary for Acquisition and Project Management Norbert Doyle, Acting Associate Deputy Assistant Secretary for Acquisition and Project Management

Kristen Ellis, Acting Director for Communications

# Environmental Management's National Laboratory Governance Framework

#### **Purpose**

Recent reports authored by the Congressionally chartered Commission to Review the Effectiveness of the National Energy Laboratories (CRENEL) and the Secretary of Energy Advisory Board (SEAB) Task Force have made specific recommendations to help strengthen and reinvigorate the relationship between DOE and the network of its seventeen National Laboratories. These recommendations are consistent with Federal Policy 48 CFR 35.017, which defines the requirements for Federally Funded Research and Development Centers (FFRDCs) and the nature of their strategic partnership with DOE.

The Department of Energy (DOE) embraced the recommendations from CRENEL and SEAB and directed that each of the DOE offices responsible for a DOE National Laboratory develop and implement a fully-documented governance framework. In accordance with the direction, the DOE Office of Environmental Management (EM) has developed this governance framework for the Savannah River National Laboratory (SRNL) to define the governance principles, key functions, and management roles and responsibilities that EM uses to oversee and steward the operations, vitality and mission effectiveness of SRNL.

#### Savannah River National Laboratory

Savannah River National Laboratory is the EM National Laboratory. SRNL is a government-owned, contractor-operated (GOCO) FFRDC currently operated by Savannah River Nuclear Solutions, LLC through a Management and Operating (M&O) contract with the DOE.

As an FFRDC, SRNL operates in strategic partnership with DOE to apply unique and specialized capabilities to assist our Nation in mitigating the hazards associated with Cold War legacy waste and contamination; sustaining and improving our Nation's nuclear security; and advancing our Nation's ability to provide a clean and sustainable energy future.

SRNL's principal mission is to apply its scientific and technical competencies to help EM achieve the Nation's legacy nuclear waste and contamination cleanup objectives. This mission spans across the EM complex and includes sixteen sites that remain the focus of ongoing cleanup efforts. SRNL has an important and strategic role in supporting EM with achieving its objectives at SRS and at other cleanup sites.

SRNL plays an equally important role to support the National Nuclear Security Administration (NNSA) mission to maintain a safe, secure, and reliable nuclear deterrent for our Nation's defense. SRNL is the recognized center of excellence for the tritium technical processing, storage, and gas transfer systems necessary as part of our Nation's nuclear arsenal. SRNL is also responsible for developing, validating, and implementing chemical processing and purification approaches to meet current and future tritium stockpile needs, assessing and ensuring the functional capability of new gas transfer systems, and evaluating the condition and operational capability of gas transfer systems currently in our Nation's nuclear stockpile.

As an FFRDC National Laboratory, SRNL has transformed to anticipate and meet the evolving needs of the Nation, while successfully helping DOE and NNSA with their critical mission needs by providing highly reliable, cost-effective, and innovative solutions to the most difficult technical challenges. SRNL's

foundational core competencies, evolved during a time of global crisis, remain today. SRNL is shaped around science and technology for nuclear chemical manufacturing that provides practical outcomes with an unwavering commitment to the safety of its employees and protection of the environment. What also remains constant is SRNL's assurance to stay at the cutting edge of science, technology and innovation in order to anticipate new challenges and deliver cost-effective solutions to benefit the mission needs.

In fulfilling the National Laboratory charter as an FFRDC, SRNL works strategically with a broad set of government and private-sector partners to fully understand their mission needs. This thorough understanding of mission needs allows SRNL, through its multiple programs, to devise innovative solutions that provide enhanced value to the Nation via leveraging DOE's investment in the foundational competencies of SRNL. The nuclear-based scientific and engineering competencies that SRNL maintains for its principal missions also provide unique value to a wider range of government and private-sector programs associated with enhancing environmental sustainability, strengthening national security, and advancing the Nation's clean energy objectives.

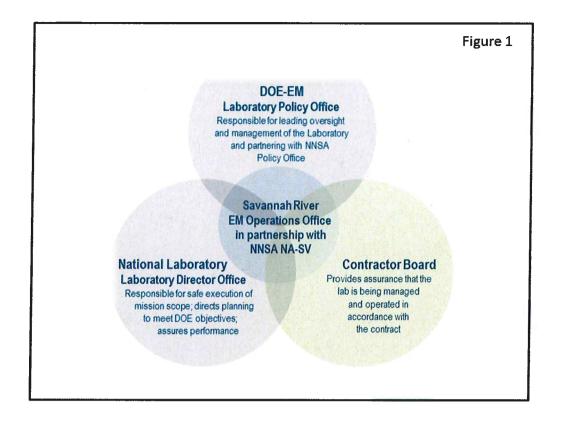
# **National Laboratory Governance Principles**

The Department of Energy recognizes the National Laboratories are "key to mission success across the broad spectrum of DOE's responsibilities." The mission of DOE is to ensure America's security and prosperity by addressing its energy, environmental and nuclear challenges through transformative science and technology solutions. The Department's seventeen National Laboratories have occupied a central place in the landscape of American science for more than 50 years and are an integral part of the Department. The DOE National Laboratories are the core asset for applying science and technology to meet the Department's missions—from basic research in the physical sciences, to roles in the life sciences, energy (including the development of clean energy technology), nuclear security (responsibilities for the nuclear stockpile and also for nonproliferation), and environmental stewardship including remediation of Cold War-era production sites. The DOE National Laboratories are essential to the execution of the DOE mission, which includes research and development (R&D) capabilities, scientific and technical work, and significant physical assets.

Almost exclusively, the DOE operates its National Laboratories using a GOCO model. The DOElaboratory-contractor relationship is critical to the success of the enterprise. The illustration in Figure-1 shows the relationships between DOE, the National Laboratory, and the Contractor that ensure the appropriate level of oversight and assurance of laboratory performance. Expectations are set and the performance measured by three primary mechanisms: Performance Evaluation Measurement Plan (PEMP), which provides the means to define DOE's work expectations and measures the laboratory's performance against those expectations; the M&O Contract that defines the formal partnership; the M&O Contractor Board that reviews lab operations and provides the mechanism for assurance of Contractor performance.

#### **Key Functional Responsibilities**

EM's governance framework is modelled around the four overlapping functional components illustrated in Figure-1. These functional components are represented through the following entities: EM Laboratory Policy Office; SRNL Laboratory Director Office; Savannah River EM Operations Office; and the M&O Contractor Board. Each of the organizations has distinct functions, roles, and authorities. Through the interrelationship among the four organizations, they work together to form a single and comprehensive governance system to ensure efficient and effective use of resources that help achieve reliable mission delivery.



The functions for these four entities can best be summarized as the following:

- 1. **EM Laboratory Policy Office** Operating on behalf of the EM Program Office (EM-1), the EM Laboratory Policy Office (LPO), in coordination and partnership with the NNSA Policy Office, stewards SRNL by assuring the enduring scientific vitality of laboratory resources and facilities and ensuring the laboratory is aligned with the strategic priorities of DOE. It is accountable for safe, efficient and effective mission success.
- 2. **Laboratory Director Office** Executes the planning and operation of the laboratory in accordance with the direction of DOE; evaluates and manages enterprise risk in order to demonstrate a safe, efficient, and effective use of laboratory resources.
- 3. Savannah River EM Operations Office through its Savannah River Laboratory Office – On behalf of the EM Program Office and in coordination and partnership with the NNSA SR Field Office (NNSA NA-SV), the Savannah River Laboratory Office (SRLO) is the line organization responsible for executing the Savannah River Operations Office (SR) role of integrating and balancing contract requirements and risk (safety, security, mission, etc.) and assessing the laboratory's ability to safely, efficiently, and effectively operate to successfully achieve mission success. SRLO also provides oversight for sustainability of the laboratory (Ex., infrastructure, budget, security, operations, and safety programs) on behalf of SR.

4. **M&O Contractor Board -** Fulfills the laboratory management and operating requirements of the DOE M&O contract for the National Laboratory.

### Management Roles and Responsibilities

In order to execute the key functions associated with laboratory governance, EM assigns authorities and management roles to specific offices within its organization. In addition, specific management roles and responsibilities are also identified for NNSA Offices. The NNSA management roles and responsibilities recognize the critical mission role that SRNL plays in nuclear security missions, and the close partnership between EM and NNSA in stewarding the scientific vitality of SRNL. While the governance principles and key functional responsibilities provide an enduring framework, the management roles and responsibilities must be flexible and able to change in response to changing demands and priorities. The following summarizes the management roles and responsibilities that are used to execute the successful stewardship and operation of SRNL.

#### **EM Program Office (Assistant Secretary for Environmental Management)**

EM is the Responsible Line Organization (RLO) for mission performance of the Savannah River National Laboratory. The Program Office:

- Sponsors SRNL and is the authority for the full range of activities required to fund, plan and implement sustainability programs of SRNL and the Field Offices requiring SRNL support.
- Consults with the SRNL Laboratory Director on technical issues and strategies to improve EM mission results.

#### **EM Laboratory Policy Office (LPO)**

The Laboratory Policy office is responsible on behalf of the Assistant Secretary for Environmental Management for leading oversight and management of the National Laboratory. The LPO:

- Sponsors SRNL strategic planning; ensuring that the laboratory strategic planning is aligned with Department mission needs and requirements and addresses the elements of human capital, infrastructure, business systems, etc.
- Works with DOE program offices and field offices to promote effective engagement of SRNL as a resource for meeting DOE mission and National Security objectives; advises and assists with resolution of issues.
- Provides expert strategic advice to the Assistant Secretary for EM and EM leadership on all aspects
  of SRNL activities and areas of potential laboratory impact, including but not limited to:
  sustainability, alternative financing, conference management, contractor human resource
  management, laboratory-directed research and development (LDRD), M&O contracts, technology
  transfer, and Strategic Partnership Programs (SPP).
- Coordinates and partners with the NNSA Policy Office (NNSA PO) on matters related to NNSA missions and SRNL.
- Leads the periodic evaluation of the National Laboratory's performance, coordinating with SRLO, EM Technology Development and Chief Engineer offices, EM Field offices, NNSA PO, and NNSA NA-SV.
- Approves the annual SRNL Performance Evaluation Measurement Plan (PEMP).
- Approves all SRNL documents supporting DOE mission objectives. (Ex., Laboratory Directed Research and Development Program Plan)
- Supports the EM Head of Contracting Activity (HCA) on all matters related to the National Laboratory.
- Represents EM on the Laboratory Operations Board in developing and coordinating policy with other laboratory RLOs.

• Represents EM on DOE and inter-agency working groups and councils whose focus relates to the general health, utilization, and vitality of the National Laboratory system.

#### NNSA Policy Office (NNSA PO)

The NNSA Policy Office is responsible on behalf of the Under Secretary for Nuclear Security, the NNSA Administrator, for implementing governance and management improvements, annual strategic planning and stewardship of NNSA National Laboratories (including stewardship interests at SRNL). The NNSA PO:

- Leads NNSA engagement in SRNL strategic planning; coordinating with LPO in ensuring laboratory strategic planning is aligned with NNSA mission needs and requirements.
- Promotes effective engagement of SRNL's unique capabilities in planning for Defense Programs.
- Serves as liaison to NNSA HQ program offices. Coordinates with NNSA NA-SV, with respect to SRNL NNSA mission support and stewardship. Coordinates and partners with LPO on matters related to NNSA missions and SRNL.
- Works with NNSA NA-SV, LPO, and SRLO to support the development of the SRNL PEMP and the evaluation of the National Laboratory's performance. Supports LPO by advising and assisting with resolution of issues involving NNSA missions and SRNL.
- Represents NNSA on the Laboratory Operations Board in developing and coordinating policy with other laboratory RLOs.
- Represents NNSA on inter-agency working groups and councils whose focus relates to the general health, utilization, and vitality of the National Laboratory system.

#### Savannah River Operations Office (SR)

SR is responsible for oversight of the full range of activities necessary to sustain operations, research and development, safety, security and infrastructure of SRNL. The SR Manager serves as the Fee Determining Official (FDO) for SRNL per the PEMP in the M&O contract. The Operations Office:

- Establishes and administers the Savannah River Laboratory Office (SRLO) to provide effective line organization oversight of SRNL and support LPO.
- Works with LPO, NNSA NA-SV and LDO through the SRLO to establish SRNL work scope.
- Directs preparation of the Laboratory PEMP.
- Oversees and validates a comprehensive and effective CAS consistent with the National Laboratory's structure and focused on mission outcomes. Maintains a mission-focused, risk-informed field presence to verify effectiveness and accuracy of contractor assurance and performance systems.
- Assists LPO in working with DOE programs and offices to promote effective engagement of SRNL as a resource for meeting DOE mission and National Security objectives.

## NNSA Savannah River Field Office (NNSA NA-SV)

NNSA NA-SV is responsible for contract administration and technical oversight of the NNSA programmatic work at the Savannah River Site and safe, secure and effective mission performance. The office:

- Assures day-to-day implementation of NNSA strategic and policy directions that involve SRNL.
- Coordinates with SR in the regulation and oversight of SRNL operations in support of NNSA programs.
- Works with SR to establish the SRNL PEMP.
- Evaluates contractor performance of NNSA activities in the PEMP and coordinates with SR regarding fee determination.

#### Savannah River Laboratory Office (SRLO)

SRLO is SR's line organization responsible for oversight of SRNL nuclear and non-nuclear facilities and Research and Development operations. It supports the accountabilities of the SR Manager and assists the LPO in fulfillment of its mission. SRLO is responsible for oversight of activities necessary to sustain operations, research and development, safety, security and infrastructure. The office:

- Assures day-to-day implementation of LPO strategic and policy directions.
- Serves as the LPO liaison to EM Field Offices, NNSA-NA-SV, and SRNL with respect to mission programs, assisting in the development of requirements and performance expectations.
- Works with SR program managers, NNSA NA-SV program managers and SRNL's management to ensure risk-informed oversight of laboratory work.
- Provides oversight for the development and execution of the annual SRNL PEMP.
- Works with the LPO, NNSA PO, NNSA NA-SV, EM Field Offices and SPP customers to provide input into the evaluation of laboratory performance.

#### **EM Field Offices**

EM Field Offices are responsible on behalf of the Assistant Secretary for Environmental Management for day-to-day contract management and safe, secure and effective mission performance. Each Field Office Manager:

- Is responsible for identifying the SRNL competencies that can enhance their cleanup mission(s) or make them more efficient.
- Engages SRNL to identify National Laboratory science and engineering capabilities that can assist with technical issues affecting field office missions.
- Works with LPO, EM program offices, SRNL, other applicable National Laboratories, and their Field Office contractors to identify and plan for needed National Laboratory work scope.
- Sets performance expectations, for execution of assigned SRNL work so as to accomplish assigned missions, ensure security of operations and protect the environment, and ensure safety and health of workers and the public.
- Provides input into evaluation of laboratory performance through the LPO and SRLO.
- Works with LPO and SRLO to establish a gateway for accessing laboratory capabilities.

#### **EM Technology Development Office and Chief Engineer Office**

The Offices are responsible for developing strategy, policy and guidance for the key EM program areas of Technology Development and Engineering. These offices:

- Identify programmatic needs for the application of SRNL capabilities in support of the EM mission.
- Coordinate with LPO on the development of work scope for SRNL support of mission needs.
- Provide input to LPO, SRLO and the laboratory on SRNL work performance.

#### Savannah River National Laboratory Director Office (LDO)

The SRNL Laboratory Director works in partnership with DOE to support national missions utilizing a base of robust science, technology and engineering tools and capabilities. As a multi-program National Laboratory, with a central focus on environmental stewardship, national security and clean energy, SRNL maintains and provides the Department with a unique combination of infrastructure and capabilities in environmental and nuclear sciences, and nuclear chemical manufacturing. The SRNL Laboratory Director Office:

- Directs laboratory planning in alignment with the EM vision and DOE/NNSA mission objectives.
- Directs development of laboratory plans for managing its competencies, workforce, business systems, Laboratory Directed Research and Development program, and infrastructure to address current and future mission needs.

- Leads laboratory execution of assigned scope in support of DOE/NNSA mission needs and priorities.
- Ensures that all laboratory work activities are conducted in a safe, compliant and cost-effective manner consistent with applicable DOE Orders and Directives.
- Implements and executes a comprehensive, effective and sound performance assurance program.
- Informs NNSA PO regarding unique Defense Program responsibilities and capabilities.
- Educates EM Field, Technology Development, and Engineering Offices regarding SRNL core competencies and capabilities that can be utilized to address mission issues.

#### **M&O Contractor Board**

The M&O Contractor Board is responsible for fulfilling the laboratory management and operating requirements of the DOE M&O contract for the National Laboratory. The Board:

- Provides the systems and structures that support laboratory operation.
- Reviews and oversees the management and operations of the Laboratory to assure that these are meeting contract requirements.

**Approval and Concurrence** 

Approved:

Date: 10/25/2016 ner Monica Regalbuto

Assistant Secretary, Environmental Management

Concur:

Date: 10/3/2016

Mark Whitney

Principal Deputy Assistant Secretary, Environmental Management

Concur:

Stacy Charboneau

Date: 10/19/16

Associate Principal Deputy Assistant Secretary, Field Operations

Date: 9/30/16

Concur:

Mark Gilbertson Senior Laboratory Policy Officer, EM

Date: 10/19/16

Concur:

Steve Erhart Laboratory Policy Officer, NNSA Director, foricy Office

Jagk Cri lig Manager, Savannah River Site Doug Dearolph

9/30/16 Date:

Date: 9/30/16

Concur:

Concur:

Manager, NNSA-Savannah River Field Office

# Appendix

# **Governance Stakeholder Perspectives**

It is worth noting that in EM's governance framework, EM and NNSA are sponsors of projects currently executed at SRNL that directly support their specific mission areas. EM and NNSA also partner with the M&O Contractor to successfully operate SRNL in accordance with the prime contract. Additionally, EM will work closely with the Laboratory Director and NNSA to steward the competencies and infrastructure to assure the health and future vitality of the National Laboratory for current and future missions and fulfillment of the laboratory's FFRDC role.

As illustrated in Figure-1, EM and SR in partnership with NNSA, the SRNL Laboratory Director and the Contractor Board play integrating roles in managing the overall operations, strategic planning, and performance of DOE's National Laboratory. The strategic vision and associated program strategies that support DOE and NNSA's mission areas are documented in the National Laboratory director's Strategic and Institutional Plan (SIP). The SIP further describes the underlying programmatic drivers for the National Laboratory as well as the institutional management principles of various stakeholders. The development and review of the SIP serves to ensure that the execution of SRNL is consistent with the DOE and NNSA management principles and objectives. The EM and NNSA LPO representatives are responsible for successful implementation of this governance framework. Key to this successful implementation is the partnering relationship that the EM owner, NNSA-LPO, other sponsors, and the Contractor establish to effectuate the mission of the DOE through the work of SRNL.

#### **National Laboratory Sponsor**

In the governance framework, mission direction flows from the Energy Secretary's National Laboratory sponsor's strategic objectives and is translated into actionable program plans in the EM or NNSA Program Offices and is executed at SRNL. The National Laboratory works directly with EM and NNSA Program Offices to fully understand their respective objectives and to develop work scope appropriate to the National Laboratory's competencies, while aligned to advance EM and NNSA particular program mission objectives. For EM's programs, the cleanup contractors are also important stakeholders in mission success and must be included in the management and utilization of the National Laboratory. As an FFRDC, the National Laboratory would be expected to work with Program Offices in other parts of DOE as well as other federal and non-federal entities to apply their competencies against important national needs. The PEMP and the Annual Laboratory Planning are the primary federal mechanisms that will be used to define and measure the National Laboratory's strategic planning and performance against the sponsor's mission and program expectations.

#### National Laboratory Public-Private Partnership

DOE operates its National Laboratories as GOCO facilities. As an FFRDC, the National Laboratory operates as a public-private partnership conducting research to meet special long-term research and development needs of the U.S. Government (USG). In order to discharge its responsibilities to the sponsoring agency, the FFRDC has access, beyond that which is common to the normal contractual relationship, to the USG and supplier data, including sensitive and proprietary data, and to employees, installations, equipment and real property. The FFRDC is required to conduct its business in a manner

befitting its special relationship with the USG, to operate in the public interest with objectivity and independence, to be free from organizational conflicts of interest, and to have full disclosure of its affairs to the sponsoring agency. The definition of this special relationship is rooted in DOE's acquisition and operating policies. DOE's laboratory operating policy is coordinated across the DOE National Laboratory network by the Laboratory Operations Board (LOB), which is further, translated into operating requirements for SRNL via its M&O contract and managed by DOE-SR. The M&O Contractor works closely with DOE-SR to assure that the National Laboratory's operations are consistent with the M&O contract requirements. The Contract Assurance System (CAS) would also serve as a key mechanism to set effective and efficient operational expectations and performance assessment.

#### **National Laboratory Stewardship**

DOE stewards its National Laboratories through the Laboratory Policy Council that is chaired by the Energy Secretary with representation from each DOE Undersecretary and the National Laboratory Directors' Council (NLDC). The DOE stewardship role recognizes that National Labs are important not only for accomplishing current mission objectives, but they also serve as the science and technology engines that drive DOE's ability to address evolving National challenges. EM-1, working through the LPO, works closely with the SRNL Laboratory Director to ensure that SRNL's vision, strategy, program plans and current activities are consistent with EM's long-term mission needs. Due to the special role that SRNL competencies play in the success of NNSA missions, the LPO partners with NNSA's LPO to assure that the long-term needs of NNSA missions are fully represented and accounted for in EM's SRNL stewardship decisions.

#### **Laboratory Policy Offices**

The LPO plays a central role in SRNL's stewardship, which includes involvement and responsibility across all aspects of the EM, NNSA, and M&O Contractor interrelationships. While the LPO does not direct individual program activities, it oversees the portfolio of mission work done at SRNL to assure both effective utilization of the laboratory competencies and appropriate alignment of its resources with EM or NNSA program mission priorities. The LPO works in close partnership with the NNSA PO to ensure NNSA's mission priorities are effectively aligned and properly addressed by SRNL. The LPO also works with SRLO to assure that the overall M&O contract, including specific directives, are consistent with the successful application of the laboratory's competencies against existing program needs and/or longterm mission objectives. The primary mechanism for setting the National Laboratory's stewardship expectations and measuring performance is through Annual Laboratory Planning.

SRNL's SIP communicates the Laboratory Director's strategic vision and plan that integrates all components of EM, NNSA, and M&O Contractor's interrelationships. The development of the SIP is the responsibility of the Laboratory Director and is used to drive the alignment between EM's vision and the National Laboratory's strategies to meet the scientific and technological needs of EM, NNSA, and Strategic Partnership Project missions. At the top level, the SIP provides a summary of the National Laboratory's responsibilities, priorities and objectives as developed through their partnership. The SIP highlights SRNL's national roles and outlines strategies for addressing key strategic mission objectives for EM, NNSA and other DOE offices and federal agency programs. The SIP also describes SRNL's plans for managing its competencies, workforce, business systems, Laboratory Directed Research and

Development program, and infrastructure to address current and future mission needs. The SIP is developed with a 5-year vision, but is updated annually to reflect changes in key planning inputs.

#### **National Laboratory Planning and Assessment Tools**

The PEMP, EM's oversight assessments, Annual Laboratory Planning, and CAS are the primary mechanisms EM will use to set expectations and measure performance of SRNL and the M&O Contractor. The PEMP is an annually negotiated agreement between EMSR, NNSA NA-SV and the Contractor, and it is the scorecard for SRNL performance. It will include clear definition of the desired outcomes and goals, completion criteria, as well as acceptance criteria. Performance-Based Incentives will be included in the PEMP to support mission strategies for the fiscal year and measure all work to be performed by the National Laboratory during the evaluation period. EM and NNSA incentives established under the M&O contract will be contained in the PEMP as attachments through contract modification. EM assesses contractor performance against requirements and outcomes documented in the PEMP.

EM-1, through the EM- LPO, is responsible for the effective stewardship of SRNL. As such, the LPO develops, manages, and coordinates implementation of the SRNL's annual laboratory strategic planning process on behalf of EM and NNSA. Evaluation of the SRNL SIP will occur through the annual laboratory planning process, including evaluation of the long-range vision for the laboratory, current capabilities, infrastructure readiness, human resources and strategies for future initiatives.

The final key assessment tool will involve the CAS conducted by the laboratory M&O Contractor. The CAS will enable the corporate parent to assess performance, provide data and information to the contractor's management decision-making processes and allow the M&O Contractor to more efficiently and effectively manage processes, resources, and outcomes. The CAS will also provide DOE with a set of reviews of laboratory performance and is intended to enable DOE to determine the appropriate level of Federal oversight.

#### **Other Federal Agency Programs (OFA)**

SRNL may support a broad range of programs of critical national importance for OFAs. Mission and program direction, work scope, requirements and performance expectations, and the evaluation of laboratory performance for OFA programs at the National Laboratory would continue to be handled as currently configured.

#### **National Laboratory M&O Contractor**

SRNL's M&O Contractor through its contract vehicle would work in partnership with DOE to support national missions utilizing the DOE National Laboratory network base of robust science, technology and engineering tools and capabilities. SRNL's M&O contractor will ensure that all work activities are conducted in accordance with applicable DOE directives and contract requirements.