



# *South Carolina Governor's Nuclear Advisory Council*

Savannah River Field Office  
National Nuclear Security Administration  
U.S. Department of Energy

October 17, 2019



# Agenda



- NNSA – Savannah River Field Office Update
- MOX Transition
- Surplus Plutonium Disposition Update



# NNSA – SRFO Site Update



## NNSA Council Meeting June 18-19

- Leadership from Headquarters, NNSA Field Offices, and M&Os

## NNSA engagement

- 1:1 meeting with Governor McMaster
- State and local leadership
- Town Hall with workforce
- Early-career workforce engagement
- Educational leaders roundtable





# NNSA – SRFO Site Update



- Workforce Opportunities in Regional Careers (WORC) Grant Announcement – June 18  
*NNSA provided \$5 million grant to local colleges, universities, and technical schools for workforce development administered through SRSCRO*
- Claflin College joined WORC program



# NNSA – SRFO Site Update



## NEPA Scoping Meeting for Proposed Savannah River Plutonium Processing Facility (SRPPF) – June 27

- More than 200 in attendance
- Testimony and letters of support from citizens, labor unions, United Way, Chambers of Commerce, Economic Development Councils, and elected officials from federal, state, and local government
- Approximately 250 written comments received



*NEPA process continues on schedule in support of the proposed SRPPF CD-1 approval with lessons learned being incorporated into the process*





# NNSA – SRFO Site Update



## Nuclear Weapons Council – August 14

- Briefings and visits to proposed SRPPF and SRTE

### Visitors

- The Honorable Ellen Lord, NWC Chairwoman
- Gen John E. Hyten, USSTRATCOM Commander
- The Honorable Dr. Charles Verdon, Deputy Administrator for Defense Programs
- Mr. Gregory Weaver, J5 Deputy Director for Strategic Stability
- The Honorable Dr. James Anderson, Deputy Under Secretary of Defense for Policy
- Dr. Milan Nikolich, Director of Defense Research and Engineering for Research and Technology
- Mr. Peter Fanta, Deputy Assistant to the Secretary of Defense for Nuclear, Chemical, and Biological
- Vice Admiral Johnny R. Wolfe, Director of Strategic Systems Program
- Lt General Richard M. Clark, Assistant Chief of Staff, Strategic Deterrence and Nuclear Integration
- Mr. Mark S. Spillman, Director of Strategic, Defensive, and Space Program Division, Cost Assessment & Program Evaluation





# NNSA – SRFO Site Update



- Outreach and engagement with South Carolina State University
  - Additional educational outreach
- Congressional Engagement







# NNSA – SRFO Site Update



## Staffing

- Proposed SRPPF Project currently has approximately 300 employees
- Design and construction will reach peak in 2023 and require about 2,000 staff
- SRTE currently has approximately 700 employees and is now 150% of FY15 staffing levels







# MOX Transition



- Equipment disposition goals
  - Provide the best value to the Government and taxpayer
  - Support the local community
- Complete property disposition and project closeout by September 2021
- To date, almost 1.2 million units out of 9.6 million total units reassigned for reuse to Uranium Processing Facility, Nevada National Security Site, Sandia National Laboratories, Lawrence Livermore National Laboratory, and the SRS Museum





# Surplus Plutonium Disposition Strategy



- NNSA continues to make substantial progress in the transition to the dilute and dispose approach
  - Supporting efforts to expedite the removal of plutonium from the State of South Carolina
  - Create enduring capability for the disposition of 34 metric tons (MT) of surplus plutonium
- Accomplished the coordinated removal of the initial 1 MT
- Based on FY 2019 appropriations, continued design of the SPD project, which increases dilution capacity
- NNSA is executing multiple program elements concentrating on the short term priority to expedite removal of plutonium from the State of South Carolina





# Activities to Expand Dilute and Dispose Capability



- Savannah River Site (SRS) is continuing design of the SPD Project to add three (3) additional gloveboxes and the necessary supporting systems in the K-Area Complex, expected to commence operations in the 2027/2028 timeframe
- Modifying the K-Area Interim Surveillance (KIS) glovebox to affect material handling and process efficiencies and to reduce worker exposure (FY 2020 completion)
- Actively hiring and training additional operators and support staff to increase the KIS glovebox operations from one shift to four shift operations by FY 2022
- Constructing a characterization and storage pad in K-Area to support storage, characterization, and shipments of diluted product in Criticality Control Overpack (CCO) containers to the Waste Isolation Pilot Plant (WIPP) (FY 2020 completion)
- Initiating design in FY 2020 to modify security entry control points in K-Area to support increased personnel supporting construction and operations activities





*Questions?*