



U.S. DEPARTMENT OF
ENERGY

OFFICE OF
**ENVIRONMENTAL
MANAGEMENT**

EM Transportation Update

Ellen Edge

Demitrous Blount

Office of Packaging and Transportation
Office of Environmental Management

MRMTC Fall Meeting

November 14, 2019

- Organization of the Office of Environmental Management
 - Current Structure
- Environmental Management (EM) Cleanup
 - 30 Year Anniversary of EM
 - EM Mission
 - Budget
- Site Updates
- Update on the Office of Packaging and Transportation
 - Mission
 - Activities

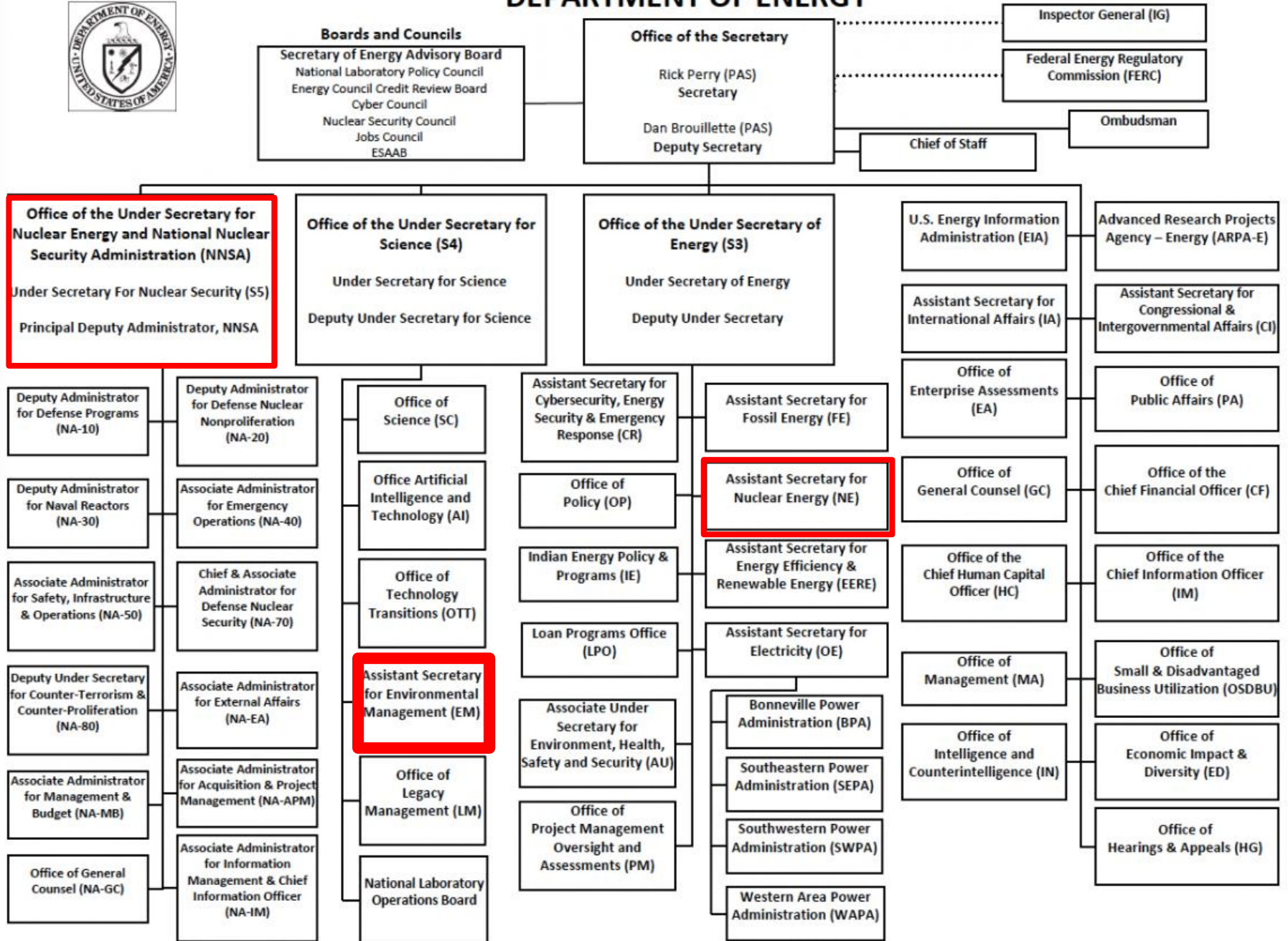


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DOE and EM Organization

DEPARTMENT OF ENERGY



**Senior Advisor for EM
to the Under Secretary for Science
William White**

**EM-2 EM Principal Deputy Assistant Secretary
Todd Shrader**

**EM-2.1 Chief of Staff
Vacant, COS
Joceline Nahigian, DCOS**

Correspondence Center

Savannah River
National Laboratory
Policy Office

**EM-4
Regulatory and Policy Affairs
Betsy Connell, APDAS**

**EM-3
Field Operations
Jeffrey Griffin, APDAS**

**EM-5
Corporate Services
Norbert Doyle, APDAS (Acting)**

**EM-4.1 Infrastructure Management and
Disposition Policy
Rob Seifert, Director (Acting)**

4.11 Infrastructure and D&D (Andy Szilagyi)

4.12 Subsurface Closure (Rob Seifert, Acting)

**Waste and Materials Management
Mark Senderling, DAS**

4.21 National TRU Program (Betsy Forinash)

4.22 Waste Disposal (Doug Tonkay)

4.23 Nuclear Materials (Steve Schneider)

4.24 Packaging & Transportation (Joanne Lorence)

**EM-4.3 Regulatory Intergovernmental and
Stakeholder Engagement
Linda Suttora, Director (Acting)**

4.31 Regulatory Compliance (Linda Suttora, Acting)

4.32 Intergovernmental and Stakeholder
Programs (Linda Suttora, Acting)

**EM-3.1 Safety, Security, and Quality Assurance
Dae Chung, DAS**

3.11 Field Operations Oversight/CNS
(Gregory Sosson, ADAS)

3.111 Safety Management (Ed Westbrook, Acting)

3.112 Operational Safety (Terrance Tracy)

3.113 Standards and Quality Assurance
(Robert Murray)

3.114 Safeguards, Security, and Emergency
Preparedness (Daniel Cardenas)

**EM-3.2 Technology Development
Kurt Gerdes, Director**

**EM-3.3 Chief Engineer
Vacant, Chief Engineer**

3.31 Major Constructions and Modifications
(Michael Norato, Acting)

3.32 Operations and Processes
(Michael Norato)

Field Sites

- Carlsbad
- Idaho
- Los Alamos
- Oak Ridge
- Office of River Protection
- Portsmouth & Paducah
- Richland
- Savannah River Site
- EM Consolidated Business Center

EMCBC Field Sites

- Moab
- ETEC
- SPRU
- West Valley
- LBNL
- Brookhaven
- EM-NV

- EM NNSA Sites (NNS, LLNL, SNL)

- HQ Field Liaisons

**EM-5.1 Resource Management
Melody Bell, DAS (Acting)
Melody Bell, ADAS**

5.11 Budget and Planning (Steve Trischman)

5.111 Budget (Mohammad Banaei, Acting)

5.112 Program Planning (Lois Jessup)

5.12 Information Systems (Vacant)

5.13 Workforce Management
(Mary Ann Maloney)

**EM- 5.2 Acquisition & Project Management
Norbert Doyle, DAS**

5.21 Acquisition and Contract Management
(Cris Van Horn)

5.22 Project Management (Rodney Lehman)

**EM-5.3 Communications
Jeanne Beard, Director**

5.31 External Affairs (Jeanne Beard, Acting)

5.32 Communications Services (Anita Iacarus, Acting)



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Environmental Management Cleanup



KEY MILESTONES

OCTOBER 1989

EM created as the Office of Environmental Restoration and Waste Management

JUNE 1996

PUREX deactivated, becoming the first large-scale deactivation of a nuclear processing facility in the U.S.

JULY 1997

First radioactive waste storage tank closed at the Savannah River Site

MAY 1999

First shipment of waste received at the Waste Isolation Pilot Plant

OCTOBER 2005

Rocky Flats Site closed

OCTOBER 2006

Fernald Site closed

JANUARY 2008

Mound Site closed

AUGUST 2019

Physical Completion of Separations Process Research Unit at the Knolls Atomic Power Laboratory

THANK YOU FOR 30 YEARS OF EXCELLENCE

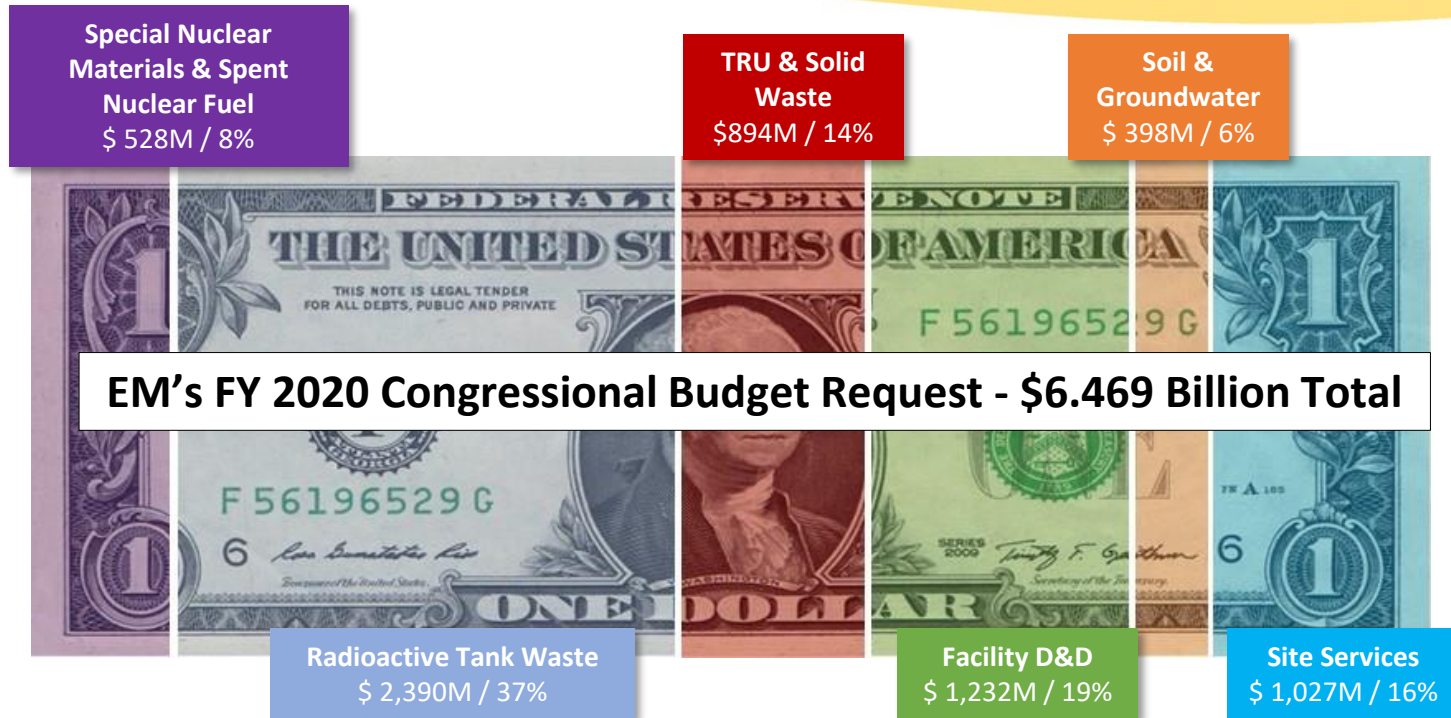
Environmental Management's Fiscal Year 2020 budget supports substantial progress:

- Maintains a safe and secure posture at all sites, while continuing with cleanup activities
 - Ramps up efforts to address radioactive tank waste at Savannah River through start-up of Salt Waste Processing Facility
 - Supports ventilation system completion and critical infrastructure at Waste Isolation Pilot Plant to enable increased waste shipments and emplacement
 - Keeps focus on Direct Feed Low Activity Waste approach to initiate Hanford tank waste treatment by December 2023
 - Advances construction on Outfall 200 Mercury Treatment Facility at Oak Ridge

The mission of the Office of Environmental Management is to complete the safe cleanup of the environmental legacy brought about by five decades of nuclear weapons development and government-sponsored nuclear energy research



EM has Six Primary Mission Areas



EM's FY 2020 Congressional Budget Request - \$6.469 Billion Total

EM Sites	✓	✓	✓	✓	✓	✓	✓	FY 20 (\$M)
Savannah River	✓	✓	✓	✓	✓	✓	✓	1,643
River Protection		✓					✓	1,392
Richland			✓	✓	✓	✓	✓	718
Idaho	✓	✓	✓	✓		✓	✓	348
Oak Ridge	✓		✓	✓	✓		✓	429
Portsmouth	✓			✓	✓		✓	426
Paducah	✓				✓		✓	277
Carlsbad			✓				✓	398
Los Alamos			✓			✓	✓	195
West Valley			✓	✓	✓		✓	78
All Others			✓	✓	✓	✓	✓	565

EM continues making measurable and meaningful progress towards cleanup completion

- Complete closure of the 90-acre D-Area Ash Project at Savannah River
- First transfer of land back to the local Portsmouth community
- Safe demolition of the vitrification facility at West Valley
- Demolition of Toxic Substances Control Act incinerator and 100 foot stack at Oak Ridge's East Tennessee Technology Park
- Continue processing of Canadian material, Foreign Research Reactor fuel, and High Flux Isotope Reactor fuel at H-Canyon at Savannah River
- Work underway on the second Salt Waste Disposal Unit at Savannah River – key to accelerating the tank waste mission
- Broke ground on the new ventilation system at Waste Isolation Pilot Plant, a facility that is the linchpin to transuranic waste final disposition
- Completed movement of radioactive sludge out of K-West Basin at Hanford
- On schedule to complete turnover from construction of vast majority (>90%) of the Waste Treatment and Immobilization Plant's Low Activity Waste facility at Hanford this year

EM will not only build on these recent successes in FY 2020 but is bringing a renewed sense of urgency to tackling cleanup challenges and driving down the third largest liability cost to the U.S. taxpayer.

EM is working collaboratively with cleanup partners to propel the mission forward and drive cleanup toward completion safer, sooner and at a responsible cost.



Hanford



Idaho



Waste Isolation Pilot Plant



Savannah River



West Valley

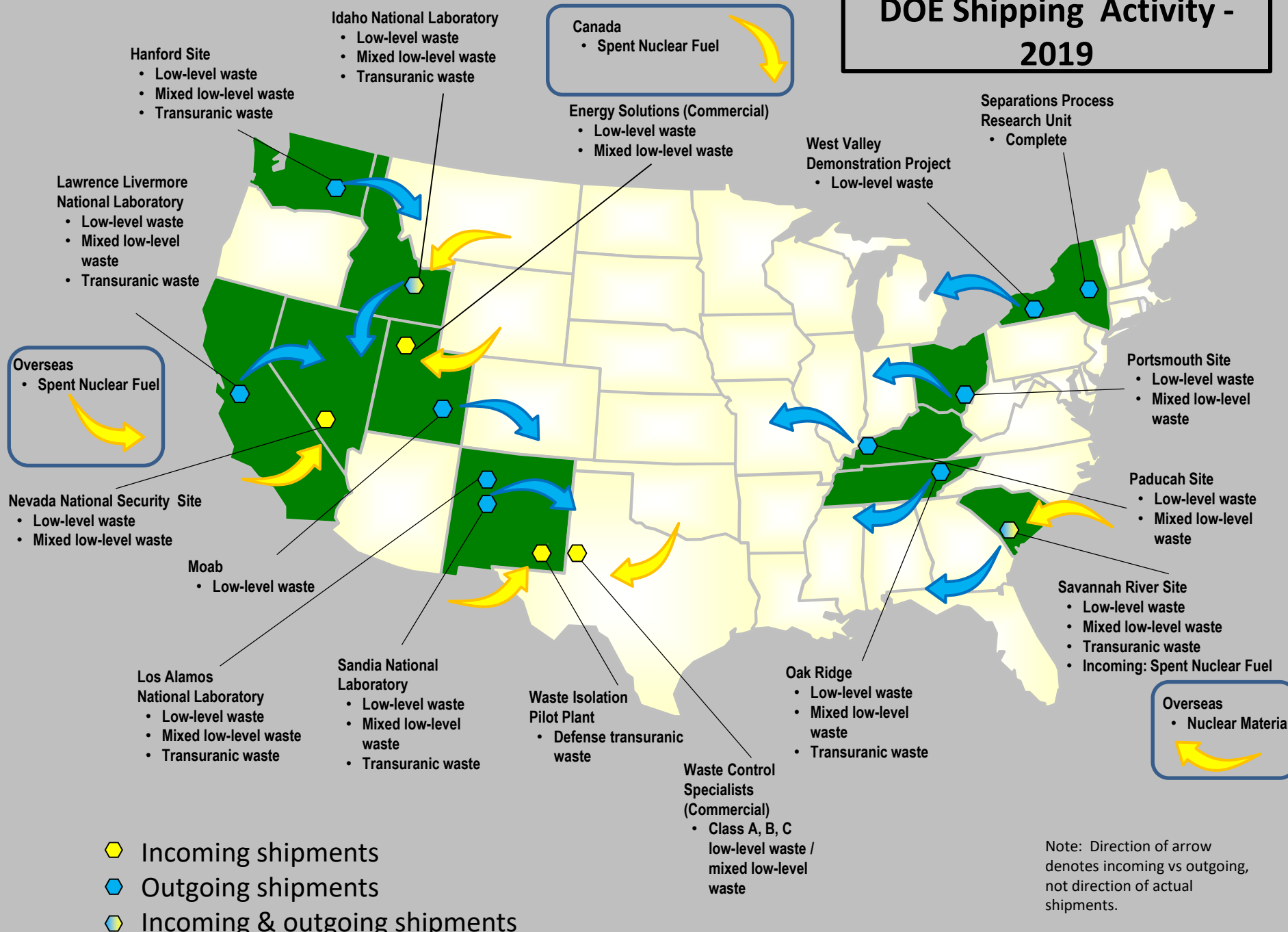


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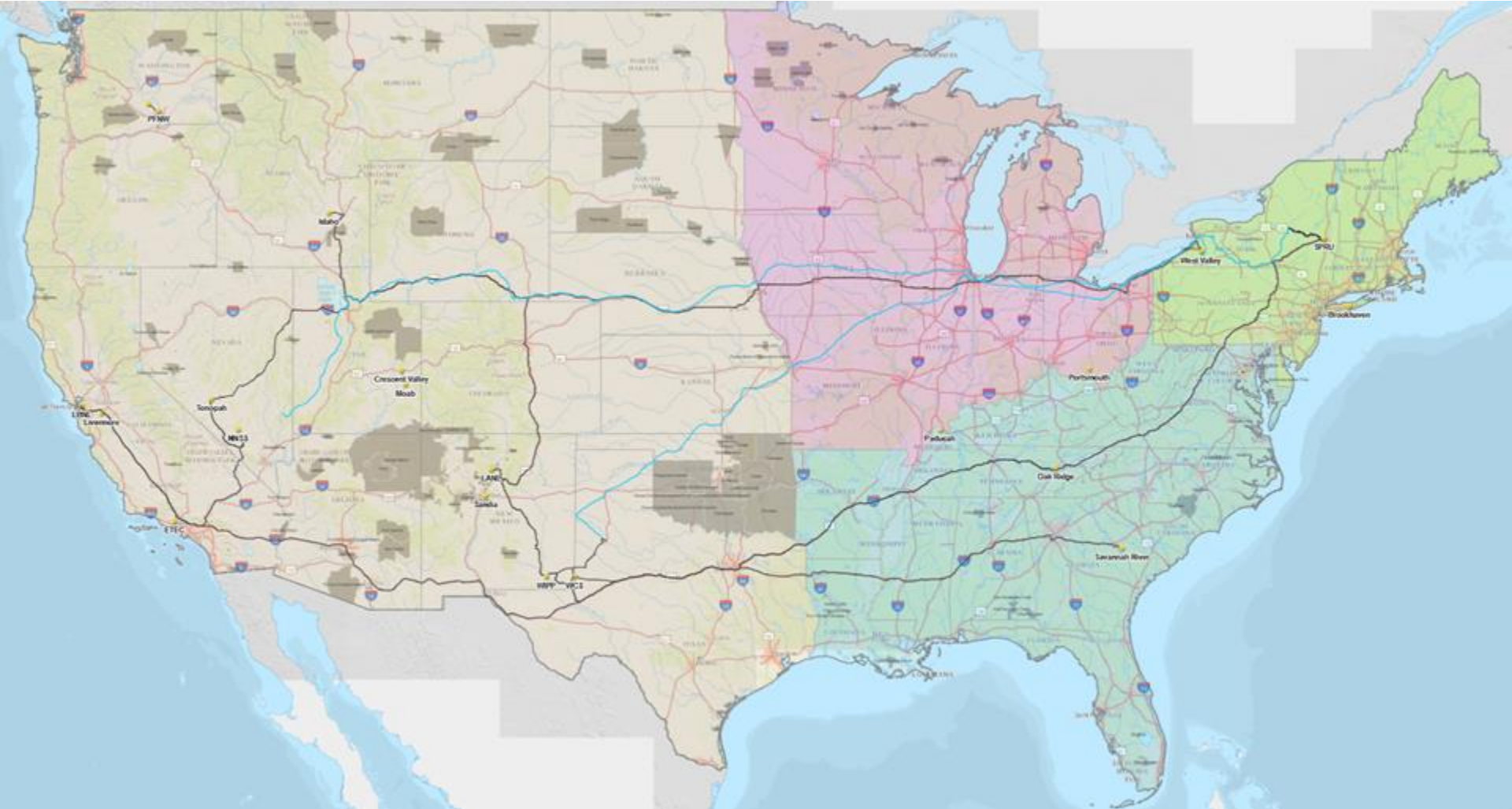
Site Updates

DOE Shipping Activity - 2019



Note: Direction of arrow denotes incoming vs outgoing, not direction of actual shipments.

Department of Energy Possible Non-classified Shipping Routes





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Update on the Office of Packaging and Transportation

Our OPT Mission

The Office of Packaging and Transportation protects people and the environment by ensuring safe, compliant, and efficient packaging and transportation of materials critical to successful Department operations. We achieve this mission by conducting packaging and transportation assessments and oversight; assisting field sites; and developing, managing, and advocating policies, orders, guidance and tools in accordance with DOE requirements and government regulations.



Update on Order Revision



DOE Order 460.2A, *Departmental Material Transportation and Packaging and Management*, Revision Update:

- Prior input from Tribes and States was considered at every stage.
- Subgroups worked with field packaging and transportation subject matter experts to develop specific requirements in each topical area.
- Integrated Project Team plans to complete draft revision by the end of November 2019.
- Review and comment process will be used in accordance with DOE Order 251.1D.

Transportation Emergency Preparedness Program

FY 2019 TEPP Training by Regional Group

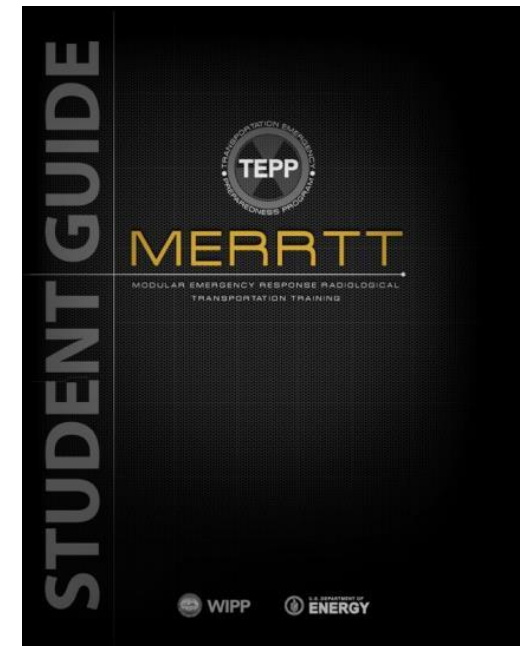
- WGA – 44 classes with 684 students trained
- SSEB – 72 classes with 1225 students trained
- CSGMW – 22 classes with 444 students trained
- CSGNE – 7 classes with 103 students trained



MERRTT revision cycle for 2019 began in early summer with the following considerations:

- Combine Module 5, Initial Response Actions and Module 7, Incident Control
- Update information in WIPP module
- Update information in Case Histories module
- Addition of another hands-on practical exercise (bunker gear doffing)

Draft training materials were sent out to the NTSF TEPP Ad Hoc Working Group in October



Annual Meeting May 18-21, 2020:

- Embassy Suites – Scottsdale, AZ
- WGA Co-hosting with DOE

Planning Committee:

- Charter approved 30 September
- Management Plan updates pending
- Communications AHWG suspended until further notice
 - Will still publish NTSF Newsletter (next iteration 31 October)

Contact for Additional Information

Joanne Lorence, Director & NTSF Chair
EM-4.24/FORS
joanne.lorence@em.doe.gov

Ellen Edge, TEPP Program Manager
EM-4.24/270CC
ellen.edge@em.doe.gov

Demitrous Blount, NTSF Program Lead
EM-4.24/270CC
demitrous.blount@em.doe.gov



Office of Transportation and Packaging
U.S. Department of Energy
1000 Independence Avenue, S.W.
Washington, DC 20585

