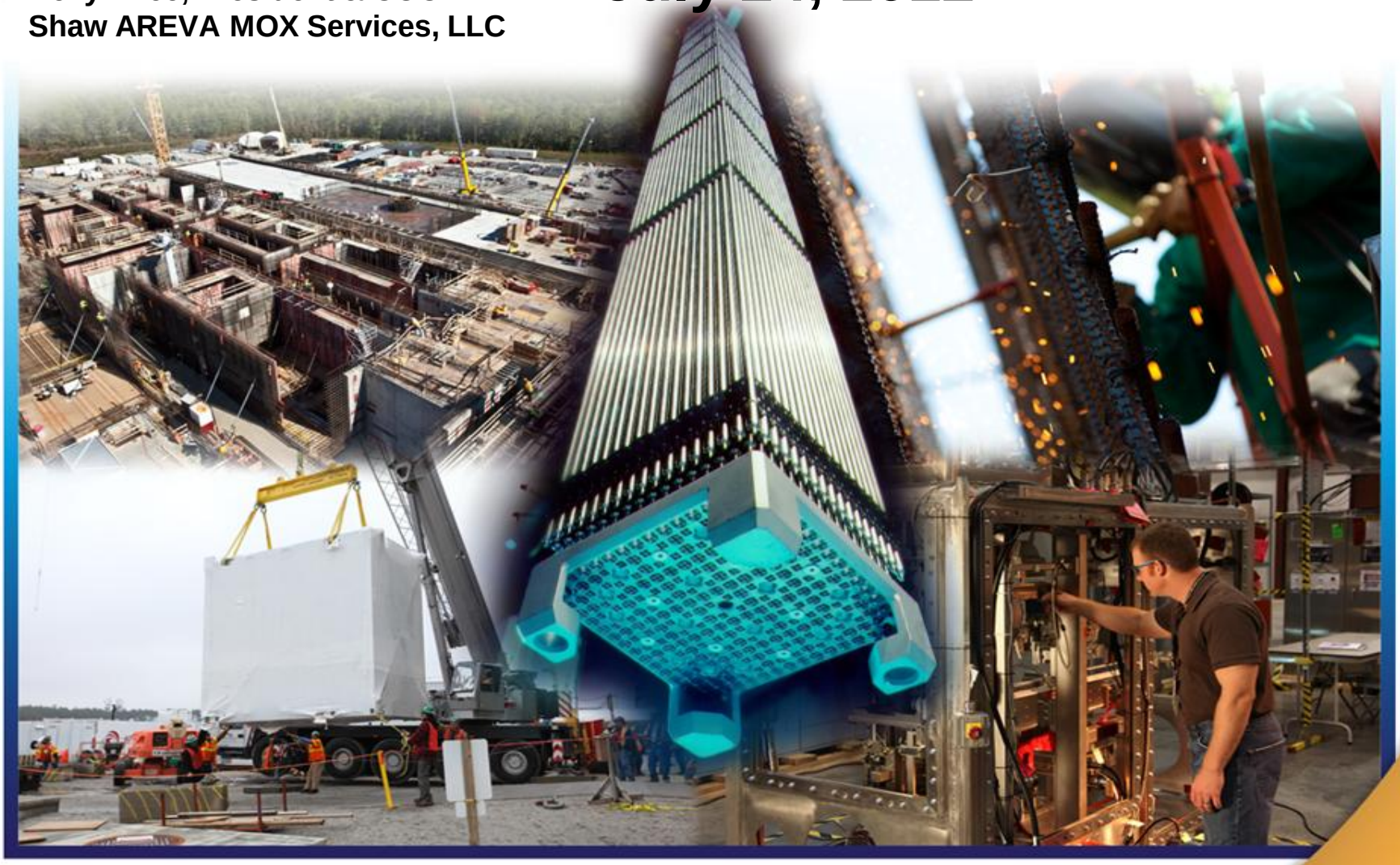
MOX
FUEL FABRICATION FACILITY

MOX Update
July 24, 2012

Kelly Trice, President & COO
Shaw AREVA MOX Services, LLC



Protecting Future Generations. Powering the Future.

NNSA
National Nuclear Security Administration

Enclosure 3

Design Capacity

- **The facility will be able to produce up to 70,000 fuel pellets per day**
- **The facility is being redesigned to produce both Pressure Water Reactor (PWR) and Boiling Water Reactor (BWR) fuel assemblies**
- **Approximately 151 PWR fuel assemblies can be produced annually**
  - Utilizing 70 metric tons of heavy metal
- **The facility will contain 7 Control Rooms**

Safety & Environmental Performance

- **Safety performance remains excellent**
  - 19 million hours worked since start of construction
  - Voluntary Protection Program (VPP) - Awaiting OSHA VPP Star inspection in July 2012
  - Exceeded 10 million work hours without a lost time injury
  - Exceeded 800,000 work hours without an OSHA recordable injury
- **Environmental performance**
  - Over 50 active permits and no violations since construction start
  - Three support buildings designed for LEED Gold certification
  - Awarded SC Environmental Excellence Award

Material Quantities Installed

Structural Concrete	**119,600 cubic yards**
Non-Structural Concrete	**51,369 cubic yards**
Rebar	**>19,800 tons (>39,600,000 lbs.)**
Process Pipe to be installed	**~411,000 ft.**
Tanks	**69 of 74**
Electrical Cable to be installed	**~6 million ft.**
Process Systems to be installed	**294**

Near Term Milestones

- Complete BMP & BSR Roof Portion of MFFF 12/2012
- Install 5 Modules in Active Gallery 9/2012
- Complete Diesel Generator for Manufacturing 3/2013
- Install Main Transformers 9/2012
- Completed the Technical Support Building 7/2012
- Continue Installation of HVAC, Piping, Fire Systems and Conduit
- Begin Installation of Overhead Cranes

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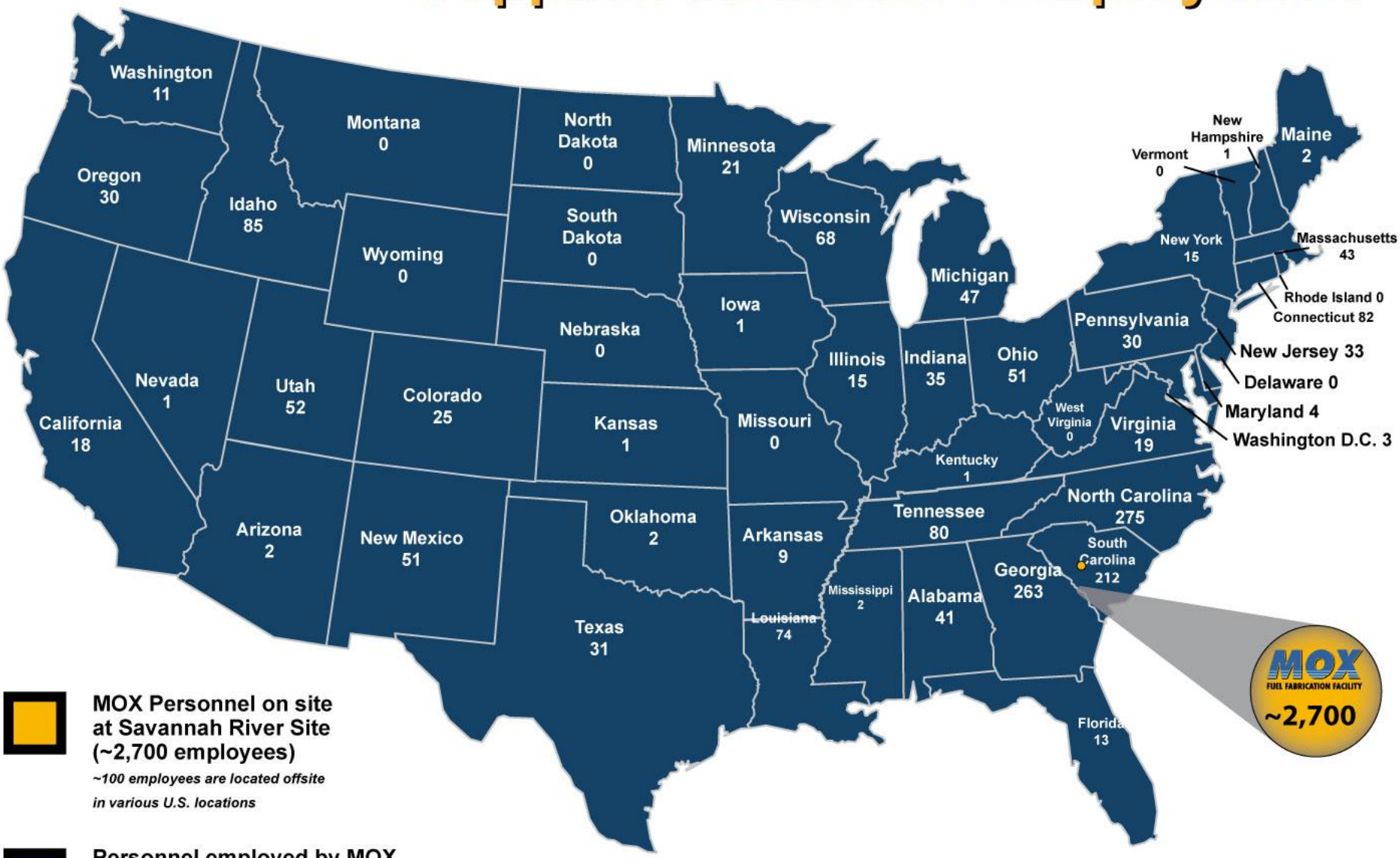
Total Impact of MOX Project & Supplier/Contractor Employment



MOX Personnel on site at Savannah River Site (~2,700 employees)

~100 employees are located offsite in various U.S. locations

Personnel employed by MOX Suppliers (~1750 employees)

~4,550 total jobs impacting America

August 2007

Start of Construction

June 2012


PAF
Batch Plant
MFFF
TAC
Craft Bldg
Secured Warehouse
BAD
Current Construction
BTS

Technical Support Building

Active Gallery Modules Installation

MFFF Overheads

Process Unit Equipment and Gloveboxes

Process Unit Equipment and Gloveboxes

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Process Unit Equipment and Gloveboxes

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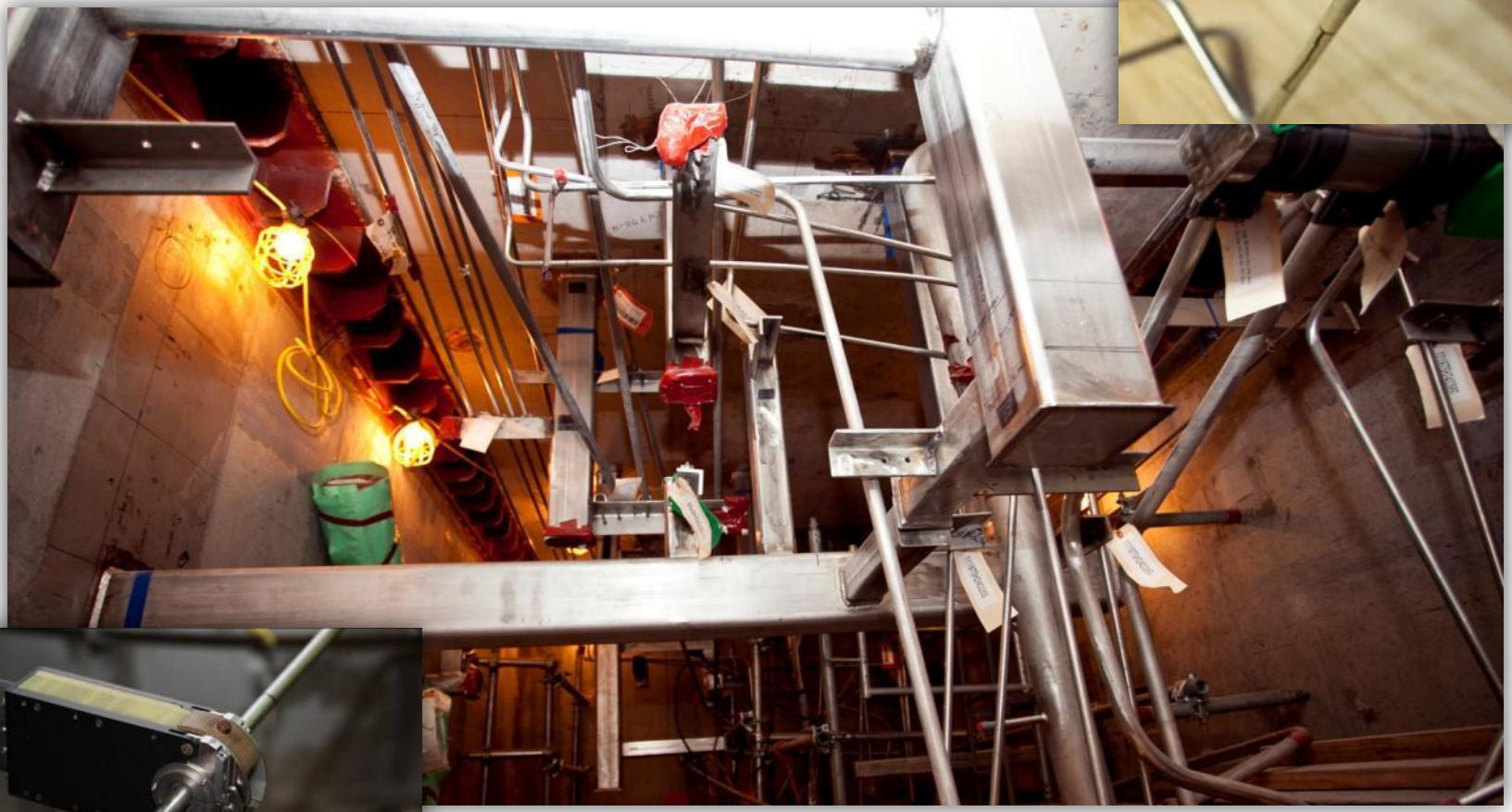
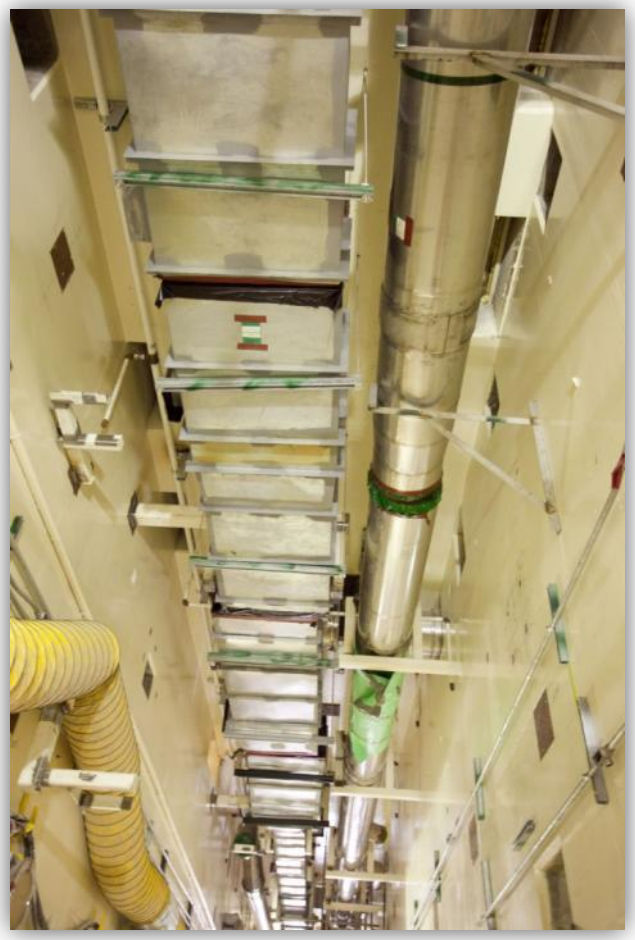
Process Piping

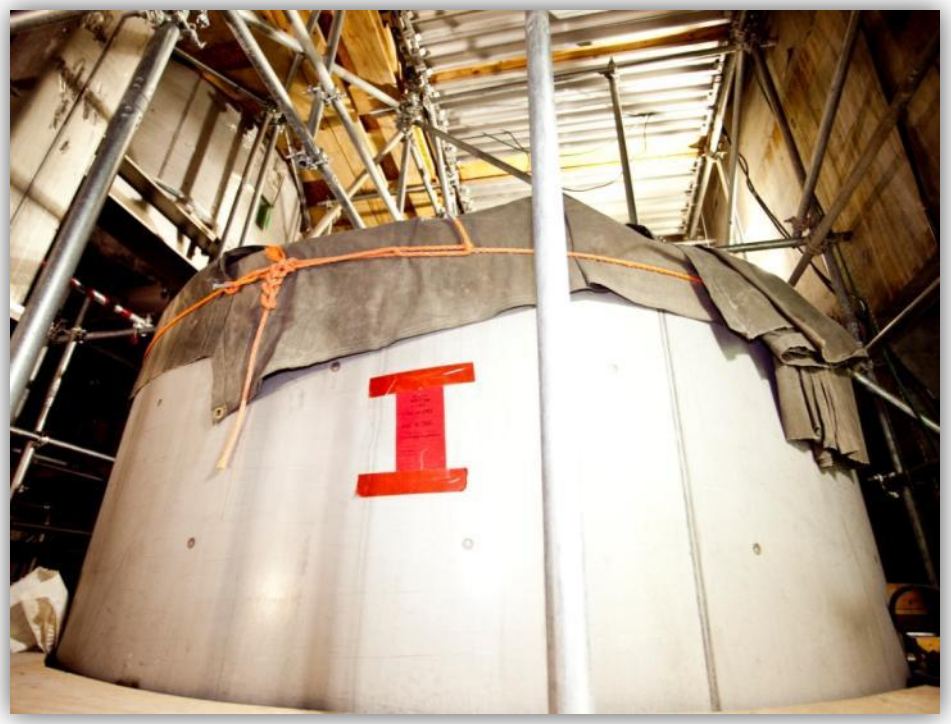


HVAC Components



Electrical Components

Tanks in the MFFF



Rod Storage

Summary of Challenges / Lessons Learned

- **Since 2006, Several Issues Identified**
  - Rebar - vendor oversight related(enveloping under program or commercial grade dedication)
  - Stainless steel material verification
    - CCA not directly verified
  - Studs - vendor oversight related(3rd party action)
  - Couplers(2 examples) – vendor oversight of receipt documents(testing by non qualified source)
  - Critical Characteristics development and/or change without a fully documented evaluation
  - Work Package Development / Implementation