



**MOX Fuel Fabrication Facility,
Waste Solidification Building,
And
Pit Disassembly and Conversion Facility**

**Progress Overview
June 2009**



MOX Construction Site April 2009



Waste Solidification Building Progress Overview June 2009



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- Early site construction activities (earthwork and installation of utilities) started December 10, 2008
 - Long-lead procurement of critical components in progress
 - Subcontract for construction of facility planned for award in July 2009
 - Overall schedule
 - Construction Start – December 2008
 - Construction Complete – June 2012
 - Startup Testing Complete – November 2012
 - Ready for Hot Operations – May 2013
 - Baseline Cost \$345 M



MFFF to WSB High Activity Waste transfer piping



WSB Process Drain Underslab Piping



WSB Electrical Manhole Installation



WSB Storm Sewer Piping



MOX Fuel Fabrication Facility Progress Overview June 2009



- Project is 34% complete overall
 - Facility construction is 17% complete
- Process Building construction continues on schedule
 - Installation quantities to date are
 - 52,000 cu. yds. of high strength concrete (30%)
 - 10,000 tons of reinforcing steel (27%)
- Project safety
 - Recently reached 2,750,000 continuous safe work hours before second lost time accident

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- Administration Building near completion
 - Construction progressing on electrical substation
 - Site preparation started for Secure Warehouse
 - Long Lead process tanks and equipment (Decanning Unit) continue to be delivered to SRS
 - Project staffing levels
 - 1,540 direct
 - 1,600 @ vendors

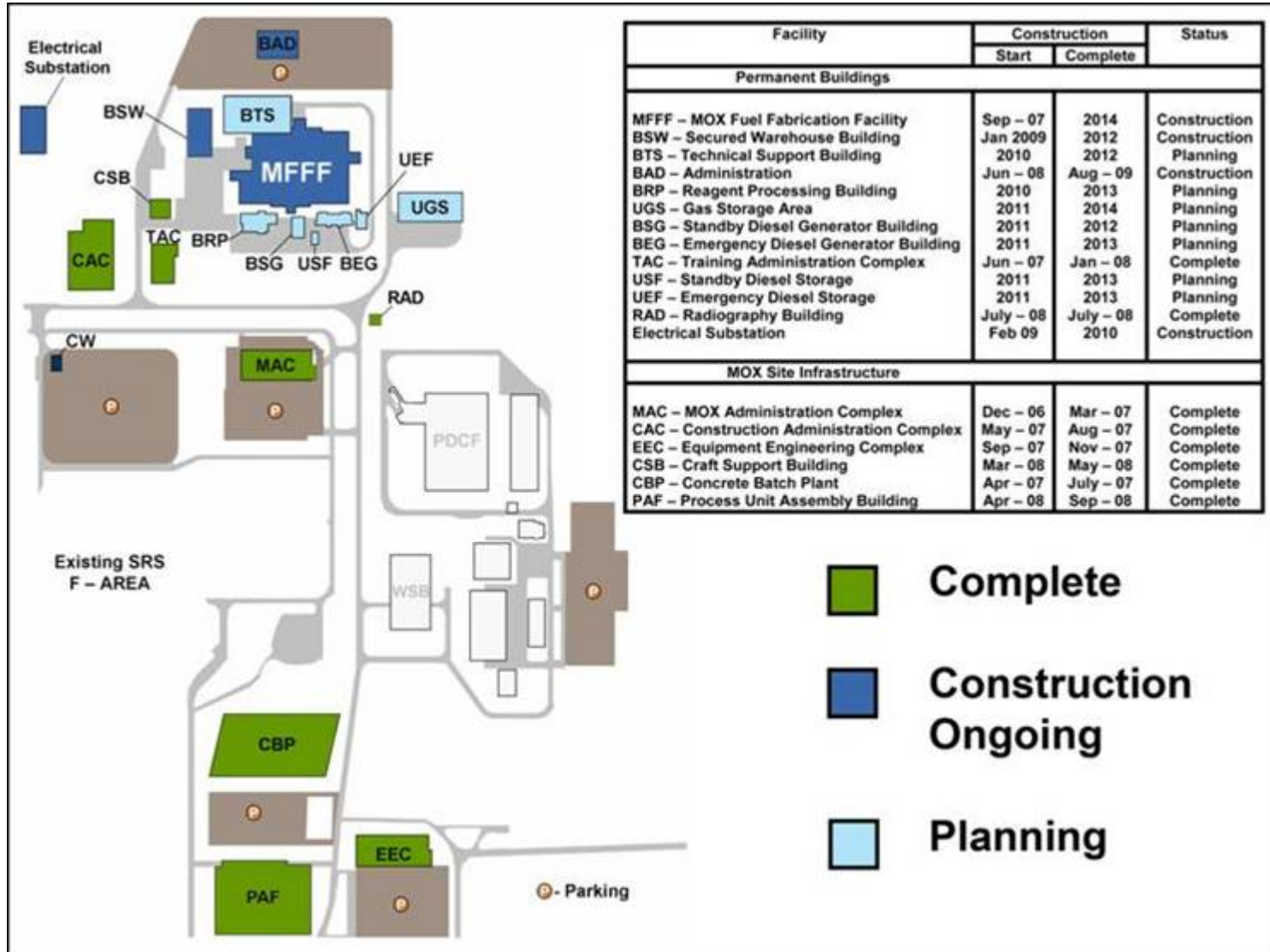


NRC Assessment Results



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- The NRC staff's review of the MFFF License Application and Integrated Safety Analysis continues with no significant technical issues being identified. Safety Evaluation Report expected in December 2010.
 - NRC has issued eight Notices of Violation (NOV) against MOX services since October 2006. All were categorized as Level IV, the lowest severity level. One NOV in May 2009 resulted from NRC inspections of MOX project vendors.

Facility Location and Status





MFFF Looking West - June 2009



US Senators From SC & GA Visit MOX – May 1 2009



US Congressmen Gresham Barrett (2nd from left) and Joe Wilson (4th from left) Visit MFFF on May 26, 2009



MFFF Looking South West - May 2009



MFFF North East Corner – April 2009



MFFF North East Corner – April 2009



MFFF Looking South East - May 2009



MFFF Process Tanks



MFFF Decanning Unit Test



MFFF Admin. Building - June 2009



**Installation of MOX
Administration Building Rain
Water Collection Tank**





April 2009

Electrical Substation



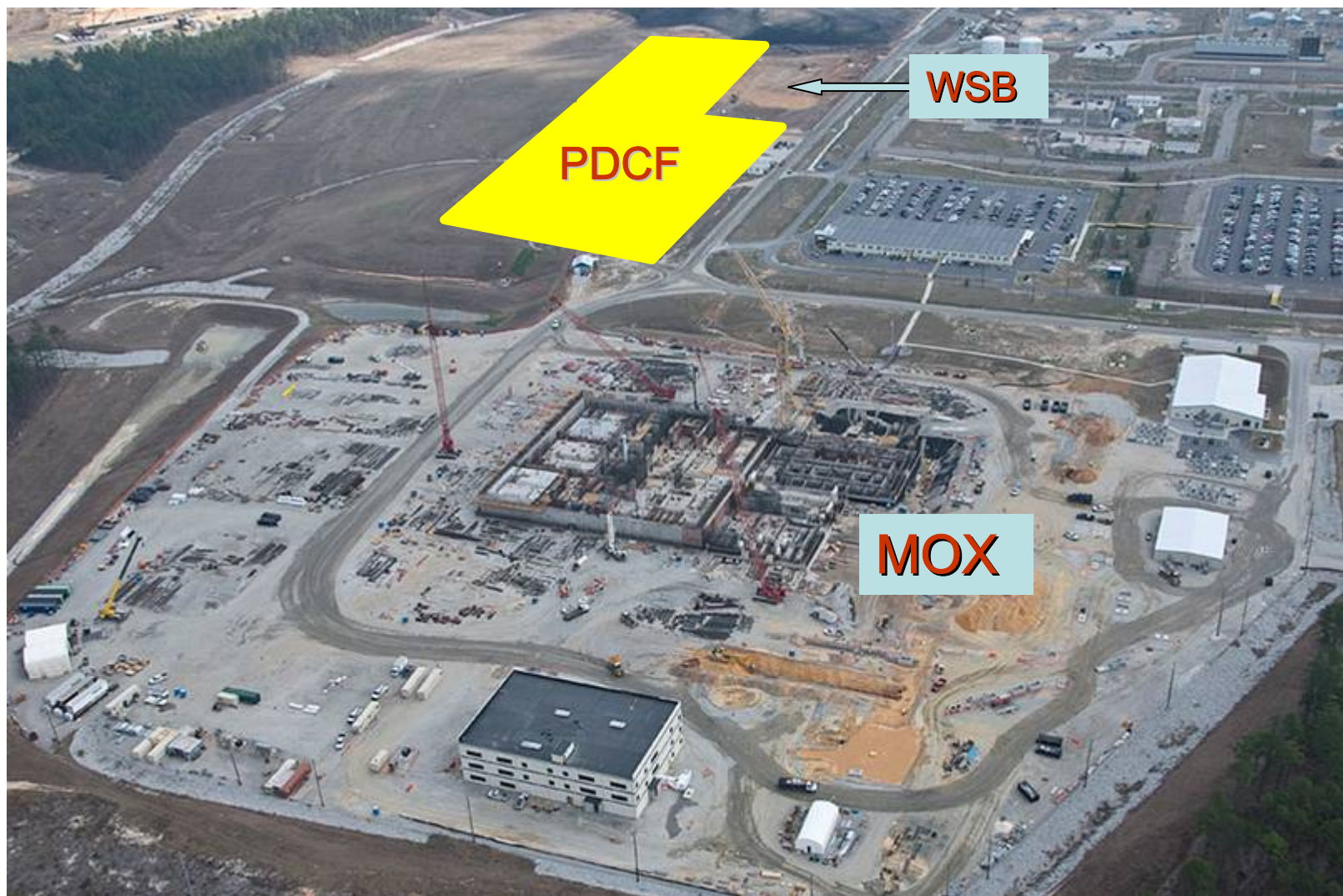
June 2009

Pit Disassembly & Conversion Facility Project & Program Status

South Carolina Governor's Nuclear Advisory Council
June 2009

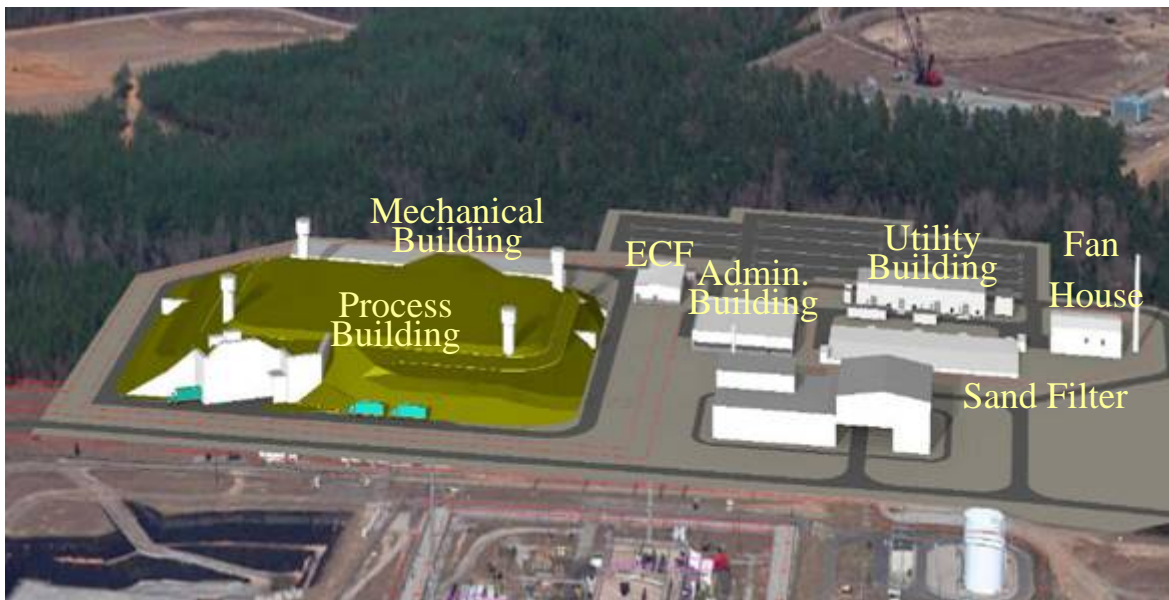


Pu Disposition Facilities



PDCF Project & Program Status

- Project Status:
 - Project team continues with design activities and procedure development to support establishing a cost and schedule baseline
 - Design is approximately 65-70% complete
- Program Status:
 - Current Pit Disassembly funding does not support the baseline program plan
 - NNSA & DOE EM evaluating alternatives for a combined program/project at SRS
 - Expect NNSA project decision by June/July 2009
 - Independent Review Team evaluating process & final report 6/22-26



- “State of Art” Safety, Security, and Pu Production Capability
- Design provides a cost effective and sustainable solution
- Able to meet near term Pu disposition & other long term NNSA mission goals
- 65-70% Design complete, working towards a 2011-2012 Final Design package.

	Pu Process Building	PDCF Project
Gloveboxes	930 LF	930 LF
Concrete	88,000 CY	122,000 CY
Reinforcing Steel	7,500 Tons	14,000 Tons
Conduit	83,000 LF	320,000 LF
Cable Tray	12,000 LF	15,000 LF
Power/Control Cable	1,300,000 LF	2,000,000 LF
Piping	45,000 LF	90,000 LF
Facilities	126,000 SF	280,000 SF