



RIC 2012 Fuel Facility New Construction Update

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Region II

March 13, 2012

Fuel Facility Construction Projects

- Under Construction:
 - Mixed Oxide Fuel Fabrication Facility (MFFF)
 - Louisiana Energy Services National Enrichment Facility (LES NEF)
- Future Construction:
 - Eagle Rock Enrichment Facility
 - Global Laser Enrichment Facility (GLE)
 - International Isotopes (INIS)
 - United States Enrichment Corporation (USEC)

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MFFF

- Applicant: Shaw AREVA MOX Services
- Location: Savannah River Site near Aiken, SC
- DOE's Surplus Plutonium Disposition Program. Surplus weapons-grade plutonium used to blend with depleted uranium and fabricate fuel for use in commercial nuclear reactors
 - Safety-related construction began August 2007
 - Anticipated operations:
 - Early Schedule – June 2015
 - Late Schedule – October 2016

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MFFF Construction Inspection Program

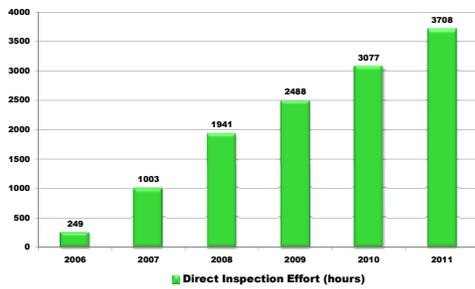
- Governed by NRC MC 2630, Mixed Oxide Fuel Fabrication Facility Construction Inspection Program
- Objective is to verify that Principle Structures Systems and Components (PSSCs) have been constructed in accordance with the construction authorization (10 CFR 70.23(a)(8))

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MFFF Inspection Effort



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LES NEF

- Licensee: Louisiana Energy Services
- Location: Eunice, New Mexico
- Commercial uranium enrichment facility (gas centrifuge technology) with eventual capacity of 5.7 million swu/yr
- Safety-related construction began August 2006
- Full capacity operation – late 2015
- Currently authorized to operate six cascades

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LES NEF Construction Inspection Program

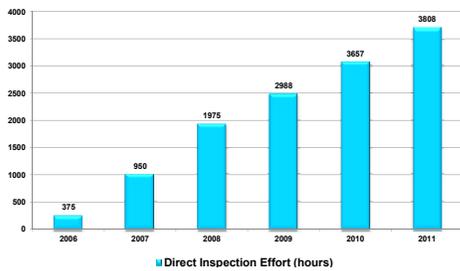
- Governed by NRC MC 2696, Louisiana Energy Services Gas Centrifuge Facility Construction and Pre-Operational Readiness Review Inspection Programs
- Principle objective is to verify that Items Relied on For Safety (IROFS) have been constructed in accordance with the license application and regulations (10 CFR 70.32(k))

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LES NEF Inspection Effort



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Inspection Issues

- Licensee Oversight of Vendors
 - Implementation of complex administrative processes
 - Vendor QA Program Implementation
- Commercial Grade Dedication
 - Attention to Detail
- Design Control/Configuration Management
 - Correctly Translating Codes and Standards into Design Documents



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Thank You
