



United States Nuclear Regulatory Commission

**Assessment of Licensee Performance (ALP)
for**

**Louisiana Energy Services (LES)
National Enrichment Facility (NEF)**

October 2, 2008

Agenda

6:00 pm	Introduction	NRC
6:15 pm	Discussion of ALP (Management Measures, Facility Construction, Facility Support)	NRC
6:45 pm	Response to NRC Assessment	LES NEF
7:15 pm	Closing Remarks	NRC

This is a Category 1 meeting in which the public is invited to observe and will have one or more opportunities to communicate with the NRC after the business portion, but before the meeting is adjourned.

U.S. Nuclear Regulatory Commission

NRC Staff Present Today

Tony Gody, Deputy Director, Division of Construction Projects (DCP), R-II

Deborah Seymour, Chief, Construction Projects Branch 1 (CPB1), R-II

Timothy Johnson, Senior Project Manager, Nuclear Materials Safety and Safeguards (NMSS)

Cynthia Taylor, Senior Project Inspector, CPB2, R-II

Introduction

U.S. Fuel Cycle Facilities

- Nine fuel facilities are currently operating in the United States
- Three facilities are under construction
 - LES National Enrichment Facility
 - Mixed Oxide Fuel Facility (MOX)
 - USEC American Centrifuge Project

Licensee/Applicant	Location
Uranium Fuel Fabrication Facilities	
Global Nuclear Fuel-Americas, LLC	Wilmington, North Carolina
Westinghouse Electric Company, LLC	Columbia, South Carolina
Nuclear Fuel Services, Inc.	Erwin, Tennessee
AREVA NP, Inc.	Lynchburg, Virginia
BWX Technologies, Inc.	Lynchburg, Virginia
AREVA NP, Inc.	Richland, Washington
Uranium Hexafluoride Production (Conversion) Facility	
Honeywell International, Inc.	Metropolis, Illinois
Gaseous Diffusion Enrichment Facilities	
U.S. Enrichment Corporation	Paducah, Kentucky
U.S. Enrichment Corporation (cold shutdown)	Piketon, Ohio
Gas Centrifuge Enrichment Facilities	
USEC Inc. (construction)	Piketon, Ohio
Louisiana Energy Services (construction)	Eunice, New Mexico
Mixed Oxide Fuel Fabrication Facilities	
Shaw AREVA MOX Services (construction)	Aiken, South Carolina

Assessment of Licensee Performance Program

Purpose

Review licensee's performance relative to key functional areas using a standardized approach

Assessment of Licensee Performance Program

Key functional areas for construction are:

- Management Measures
- Facility Construction
- Facility Support

Assessment of Licensee Performance Program

Objectives:

- Provides NRC management a performance based opportunity to adjust regulatory oversight
- Integrated assessment across key functional areas
- Provides input for future inspection planning

Assessment of Licensee Performance Program

Methodology

- Input from both inspection and licensing staff**
- Key functional areas assessed**
- Information reviewed by all participants**

Assessment of Licensee Performance Program

Methodology (continued)

Performance assessment

- Input presented/defended with publically available inspection data**
- Consensus achieved**
- Provides a basis for adjusting fuel facility inspection program in such areas as focus, frequency and resources.**

Assessment of Licensee Performance Program

Results communicated to licensee through a report and public management meeting

This meeting provides a transparent opportunity for a two-way dialogue between the NRC and the licensee in a public forum.

**Assessment of Licensee Performance
for
Louisiana Energy Services
National Enrichment Facility**

June 23, 2006 To June 30, 2008

Performance Area: Management Measures

***Includes quality assurance, design controls,
configuration management, procedures,
audits, assessments and records***

Performance Area: Management Measures

Quality assurance includes program implementation, design and document control, control and inspection of materials, equipment and services, problem identification, resolution, and corrective actions; 10 CFR Part 21 reporting, control of electronic management data; supplier vendor inspections; and safety interfaces.

Performance Area: Management Measures

**No specific areas needing improvement
were identified.**

Performance Area: Facility Construction

Includes geotechnical/foundation activities, structural concrete, structural steel, structural supports, piping systems, nuclear welding, and mechanical, electrical, and instrumentation components

Performance Area: Facility Construction

**No specific areas needing improvement
were identified.**

Performance Area: Facility Support

Includes training and qualifications of plant personnel, safeguards, security, and special topics

Special topics includes licensing activities

Licensing Activities

- Over the performance review period, NRC processed 23 licensing actions
 - Orders
 - License Amendments
 - Classified matter facility clearance reviews
- Currently, 17 licensing actions are outstanding

Performance Area: Facility Support

**No specific areas needing improvement
were identified.**

Assessment of Licensee Performance

LES NEF Challenges

Ensuring Configuration Management Program provides reasonable assurance that regulatory, license, and design requirements are adequately translated into the as-built facility

Assessment of Licensee Performance

LES NEF Challenges, cont'd

**Transition to limited radiological operations
during Hot Acceptance Testing of
Centrifuges**

Assessment of Licensee Performance

LES NEF Challenges, cont'd

Transition from emphasis on construction alone to an emphasis on operations concurrent with construction



Assessment of Licensee Performance

Response to NRC Review