

August 31, 2006

MEMORANDUM TO: Joseph G. Giitter, Acting Chief  
Special Projects Branch  
Division of Fuel Cycle Safety  
and Safeguards

THRU: Brian W. Smith, Chief  
Gas Centrifuge Facility Licensing Section /RA/  
Special Projects Branch, FCSS

FROM: Timothy C. Johnson  
Senior Mechanical Systems Engineer /RA/  
Gas Centrifuge Facility Licensing Section  
Special Projects Branch, FCSS

SUBJECT: AUGUST 10, 2006, LOUISIANA ENERGY SERVICES PUBLIC  
MEETING SUMMARY

On August 10, 2006, U.S. Nuclear Regulatory Commission (NRC) staff conducted a public meeting at the Eunice Community Center in Eunice, New Mexico, to discuss the NRC's inspection program for the Louisiana Energy Services (LES) uranium enrichment plant to be located in Lea County, New Mexico. I am attaching the meeting summary for your use. This summary contains no proprietary or classified information.

Docket: 70-3103

Attachment: Louisiana Energy Services Meeting Summary

cc:

William Szymanski/DOE  
Monty Newman/Hobbs  
Peter Miner/USEC  
Glen Hackler/Andrews  
Lue Ethridge/Lea County  
Michael Marriotte/NIRS  
Derrith Watchman-Moore/NM  
Tannis Fox/NMED  
Lindsay Lovejoy/NIRS

Fred Seifts/Jal  
James Curtiss/W&S  
Betty Rickman/Tatum  
John Parker/New Mexico  
Richard Ratliff/Texas  
CO'Claire/Ohio  
Joseph Malherek/PC  
Patricia Madrid/NMAG  
Roger Mulder/Texas

Karl Gross/LES  
Troy Harris/Lovington  
James Ferland/LES  
Matt White/Eunice  
Lee Cheney/CNIC  
John Swailes/LES  
Ron Curry/NMED  
Glen Smith/NMAG

**DISTRIBUTION:** Docket: 70-3103

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JGiitter/SPB	MBupp/OGC	KEverly/NSIR	TCombs/OCA
DMcIntyre/OPA	RVirgilio/OSTP	RHannah/RegII	DSeymour/RegII
JHenson/RegII	RTrojanowski/RegII	KClark/RegII	MLesser/RegII
LPlisco/RegII	WMaier/RegIV	SEchols	
LES Website - Yes	Hearing file		

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C = COVER

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N = NO COPY

OFC	GCFLS	GCFLS	Region II	GCFLS
NAME	TCJohnson: mms	RWray	JHenson	BSmith
DATE	8/ 28 /06	08/ 29 /06	08/ 28 /06	08/ 31 /06

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Summary of  
Public Meeting on Louisiana Energy Services  
NRC Inspection Program

Dates: August 10, 2006

Place: Eunice Community Center  
Eunice, New Mexico

Attendees: Loren Plisco/NRC                      Jay Henson/NRC  
Deborah Seymour/NRC                      Mark Lesser/NRC  
Kenneth Clark/NRC                      Robert Trojanowski/NRC  
T.C. Johnson/NRC  
Approximately 20 members of the public (see Attachment 1)

Purpose:

The purpose of this public meeting was to discuss the Nuclear Regulatory Commission's (NRC's) inspection program for construction and operation of the Louisiana Energy Services (LES) uranium enrichment facility to be located in Lea County, New Mexico.

Discussion:

T.C. Johnson opened the meeting by welcoming the attendees and stating that the purpose of the meeting was for NRC staff to provide short discussions on the status of the LES project and the inspection program. Mr. Johnson also thanked Mayor Matt White of Eunice for his support of the meeting and for the use of the Eunice Community Center. John Parker from the New Mexico Environment Department (NMED) was given an opportunity to make a statement and he indicated that the State's interest is to maintain a general awareness of significant activities at the LES, in order that NMED can be assured that the facility is operating safely, and that the Department is in a position to be responsive to inquiries from the general public, media outlets, and other outside groups.

T.C. Johnson provided a summary of the LES project status (see Attachments 2 and 3). He discussed the recent issuance of a license to construct and operate the LES facility, the status of the hearing process, and overall construction schedule. He said that an appeal to the third decision issued by the Atomic Safety and Licensing Board for the contested hearing is pending before the Commission and a decision is expected by the end of August. Mr. Johnson indicated that LES plans to begin operation of its first cascade in late 2008, with full production scheduled for 2013.

Jay Henson then presented information on NRC's inspection program (see Attachments 4 and 5). He began by discussing the fuel cycle facility inspection responsibilities of Region II. Mr. Henson then described the legal and technical bases for the inspections. He said that inspections will occur in the areas of nuclear criticality safety, radiation safety, fire safety, chemical safety, waste management, environmental monitoring, transportation, material control and accounting, physical security, emergency preparedness, facility support including

maintenance and training, and facility management including quality assurance, configuration management, and safety review committees. He stated that the inspection will be focused on verifying LES' construction and safety programs are being conducted in accordance with the commitments made in the LES license application.

Mr. Henson indicated that inspection reports will be prepared to document the inspection findings and those that do not address security areas or sensitive or classified information will be made public on NRC's Agency-Wide Document and Management System (ADAMS).

Mr. Henson said that NRC will conduct both announced and unannounced inspections. Inspectors will also review allegations made by workers or members of the public.

Mr. Henson stated that enforcement actions will be completed in accordance with NRC's enforcement policy and inspectors will conduct licensee performance reviews every 1 or 2 years to verify that LES is meeting its commitments made in the license application.

Mr. Henson described a two-phase construction program that will involve construction inspection activities and an operational readiness review prior to operations. The construction inspections will address structural components and process equipment to verify that the standards proposed by LES in its application are being met. An important part of these inspections will be review of LES' quality assurance program implementation. He said that inspections will generally be scheduled when important construction activities are taking place on-site. He also stated that inspections will take place during operation of the facility.

Following the presentations, John Parker was questioned about the activities NMED would perform. Mr. Parker indicated that, although the State has no legal responsibility to conduct inspections at the LES facility, the State's interest is to maintain a general awareness of significant activities at the LES, in order that NMED can be assured that the facility is operating safely, and that the Department is in a position to be responsive to inquiries from the general public, media outlets, and other outside groups.

Questions were also asked about the implementation of the emergency plan. NRC staff stated that NRC inspectors will verify that LES properly implements its emergency management plan and has coordinated with the local and State agencies it has identified in the emergency plan. NRC inspectors will also verify that appropriate training has been provided to local and State agencies participating in the emergency plan.

Action Items:

None

Attachments:

1. Public meeting attendee list
2. LES project status slides
3. Spanish version of LES project status slides
4. NRC inspection program slides
5. Spanish version of NRC inspection program slides

LIST OF ATTENDEES  
PUBLIC MEETING, 7-9 P.M., AUGUST 10, 2006  
EUNICE COMMUNITY CENTER, 1115 AVENUE, EUNICE, NM  
INSPECTION PROGRAM FOR LES URANIUM ENRICHMENT PLANT

Name (Please Print)	Title/Affiliation (Please Print)	E-Mail	Phone
Kim J Smith	Lea Co. Tribune		505-394-3402
BILL ROBINSON	MAYOR ProTEM City of Eunice		505-394-3642
Darryl Brook	Capt. Eunice PD		505-631-0605
Jamya White	Eunice News		505-394-2343
Jimmy / Pippin	Eunice Fire Dept		505-394-3458
Roy Holliday	Sr. Reg Eng. / USEC Inc.		740 897 4053
Hyman White	Eunice News		
Karl Guozz	Lechuga / NEF		505 391 1004
Linda Carmack	Resident of E.		
MATT WHITE	MAYOR / Eunice	Eunice Mayor VOLANT @NEFAM	505-394-2296
Chell Kevin Buman			
Manny Gomez	Fire Chief / Hobbs F.D	mgomez@hobbsnm.org	397-9313
HALK Conder	Fire Marshal / Hobbs F.D	kcondra@hobbsnm.org	391-5154
John Parker	NMED / RCBS	john.parker@nm.gov	
Dana SARK	LES		
APRIL WADE	LES	awade@NEFAM.com	
Pat McCasland	Resident of Lea Co	mccasland67@msn.com	

**LIST OF ATTENDEES**  
**PUBLIC MEETING, 7-9 P.M., AUGUST 10, 2006**  
**EUNICE COMMUNITY CENTER, 1115 AVENUE, EUNICE, NM**  
**INSPECTION PROGRAM FOR LES URANIUM ENRICHMENT PLANT**

Name (Please Print)	Title/Affiliation (Please Print)	E-Mail	Phone
Mary Mitchell	City Council - Eunice		394-3295



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Nuclear Regulatory Commission*

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**Louisiana Energy Services  
Public Meeting on NRC Inspection**

**August 10, 2006**

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**Objectives**

- Present general status of the project
- Present overview of the NRC inspection program



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**Louisiana Energy Services (LES) Project Status**

- Application submitted on December 12, 2003
  - Final Environmental Impact Statement (NUREG-1790) and Safety Evaluation Report (NUREG-1827) issued on June 15, 2005
  - License Issued on June 23, 2006, on the initial 30-month schedule
  - Prior to operation, NRC must conduct an inspection to ensure that the facility was constructed in accordance with the license commitments
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**Hearing Status**

- Atomic Safety and Licensing Board (ASLB) issued decision on decommissioning funding issues in contested hearing on May 31, 2006
  - Intervener, LES, and NRC have appealed decision; decision by the Commission is pending
  - ASLB decision on mandatory hearing issued on June 23, 2006
-





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**LES Project Construction Schedule**

- Groundbreaking scheduled for August 29, 2006
  - Initial site excavation beginning in August 2006
  - Construction of principal buildings will begin in October 2006
  - Production from first cascade is scheduled to begin in late 2008
  - Because of modular nature of the uranium enrichment plant, cascades will continue to be added with full production scheduled for 2013
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**NRC Headquarters Role During Construction**

- NRC Headquarters staff will continue to be responsible for LES licensing issues
    - Overall responsibility for project coordination
    - Responsible for reviewing license amendments
    - Responsible for Integrated Safety Analysis update reviews
    - Will participate in periodic licensee performance reviews
    - Will provide technical assistance to inspectors as needed
-



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- NRC Region II office in Atlanta will have overall responsibility for conducting inspections
- Some inspections will be conducted by Headquarters staff in the areas of nuclear criticality and security

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**Contacts**

Licensing Project Manager	Tim Johnson	301-415-7299 <a href="mailto:tcj@nrc.gov">tcj@nrc.gov</a>
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Inspection Project Manager	Deborah Seymour	404-562-4725 <a href="mailto:das@nrc.gov">das@nrc.gov</a>
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NRC Has LES Project and Gas Centrifuge Websites  
(<http://www.nrc.gov/materials/fuel-cycle-fac/lesfacility.html>)  
(<http://www.nrc.gov/materials/fuel-cycle-fac/gas-centrifuge.html>)

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**Servicios de Energía de Louisiana**  
**Reunión pública sobre la inspección NRC**

**10 de agosto de 2006**

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**Objetivos**

- **Presentar el estado general del proyecto**
- **Presentar una visión general del programa de inspección NRC**



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Estado del proyecto de los Servicios de Energía de Louisiana (LES)

- Solicitud sometida el 12 de diciembre de 2003
  - Declaración final de impacto ambiental (NUREG-1790) e informe de evaluación de seguridad (NUREG-1827) emitidos el 15 de junio de 2005
  - Licencia emitida el 23 de junio de 2006, en el programa inicial de 30 meses
  - Antes de entrar en operación, NRC debe llevar a cabo una inspección para asegurar que la instalación fue construida de acuerdo con los compromisos en la licencia
- 

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Estado de la audiencia

- La Junta de Seguridad Atómica y Licencias (Atomic Safety and Licensing Board) (ASLB) emitió la decisión sobre los temas de financiación de decomisión en una audiencia rebatida el 31 de mayo de 2006
  - Intervener, LES, y NRC han apelado la decisión; la decisión por parte de la Comisión está pendiente
  - Decisión de ASLB en la audiencia obligatoria emitida el 23 de junio de 2006
- 

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**Programa de construcción del proyecto LES**

- Inicio de la obra está programado para el 29 de agosto de 2006
- Excavación inicial comienza en agosto de 2006
- Construcción de los edificios principales comenzará en octubre de 2006

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- Producción de la primera cascada está programada a comenzar a finales de 2008
- Debido a la naturaleza modular de la planta de enriquecimiento de uranio, se seguirán añadiendo cascadas y se espera una producción completa para el 2013



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### **Papel de la oficinas centrales de NRC durante la construcción**

- - El personal de las oficinas centrales de NRC continuará siendo responsable por temas de licencias LES
    - Responsabilidad general para la coordinación del proyecto
    - Responsable de revisar las enmiendas a la licencia
    - Responsable de revisar cambios al Análisis Integrado de Seguridad
    - Participará en revisiones periódicas del desempeño del concesionario
    - Proporcionará asistencia técnica a los inspectores según sea necesario
- 

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- La oficina de la Región II de NRC en Atlanta tendrá la responsabilidad global para llevar a cabo inspecciones
    - Algunas inspecciones en las áreas de transcendencia nuclear y seguridad serán llevadas a cabo por el personal de las oficinas centrales
-



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de los Estados Unidos*

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**Puntos de contacto en la NRC**

Gerente del proyecto de seguridad	Tim Johnson	301-415-7299 <a href="mailto:tcj@nrc.gov">tcj@nrc.gov</a>
Inspector de proyecto	Deborah Seymour	404-562-4725 <a href="mailto:das@nrc.gov">das@nrc.gov</a>

NRC cuenta con sitios el web del proyecto LES y de centrifugado de gas  
(<http://www.nrc.gov/materials/fuel-cycle-fac/lesfacility.html>)  
(<http://www.nrc.gov/materials/fuel-cycle-fac/gas-centrifuge.html>)

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## US Fuel Cycle Facility Inspection Process

Jay L. Henson, Branch Chief  
Fuel Facilities Inspection Branch #2  
Division of Fuel Facility Inspection  
Atlanta, Georgia  
(e-mail: [jlh@nrc.gov](mailto:jlh@nrc.gov))

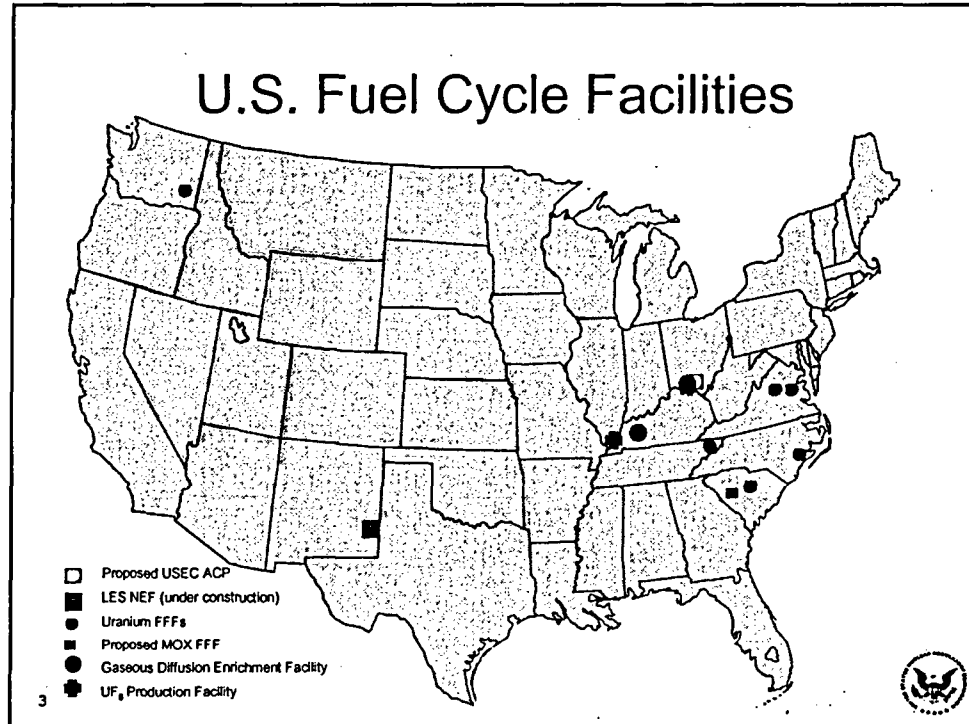


## U.S. Fuel Cycle Facilities

- Ten facilities currently licensed for operation (including the LES NEF)
- Two additional facilities planning construction (MOX, American Centrifuge)
- Facilities undergoing full decommissioning not included







## U.S. Fuel Cycle Facilities

Licensee	Location
<b>Uranium Fuel Fabrication Facilities</b>	
Global Nuclear Fuel-Americas, LLC	Wilmington, North Carolina
Westinghouse Electric Company, LLC	Columbia, South Carolina
Nuclear Fuel Services, Inc.	Erwin, Tennessee
Framatome ANP, Inc.	Lynchburg, Virginia
BWX Technologies, Inc.	Lynchburg, Virginia
Framatome ANP, Inc.	Richland, Washington
<b>MOX FFF at the Savannah River Site (construction authorization)</b>	
<b>Uranium Hexafluoride Production (Conversion) Facility</b>	
Honeywell International, Inc.	Metropolis, Illinois
<b>Enrichment Facilities</b>	
U.S. Enrichment Corporation/ USEC Inc.	Paducah, Kentucky and Piketon, Ohio (2 GDPs) / The Lead Cascade and the ACP
LES National Enrichment Facility	Under construction in Eunice, New Mexico

## NRC Fuel Facility Inspection Basis

- Law requires protection of:
  - Public
  - Workers
  - Environment
  - Equipment

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## NRC Fuel Facility Inspection Basis

- Safety inspections based on requirements in:
  - Atomic Energy Act
  - Code of Federal Regulations
  - License Requirements
  - Safety Analyses
  - Safety Controls
  - Supplemental Program Plans Approved by NRC

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## NRC Fuel Facility Inspection Basis

- License requirements established through:
  - Commitments made in License Application
  - NRC's Safety Evaluation Report
  - License Amendments
  - Commission Orders

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## NRC Fuel Facility Inspection Basis

- Safety Analyses
  - Performed by the applicant
  - Result in an Integrated Safety Analysis
  - Establish credible accident scenarios
  - Identify controls to maintain safety

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## NRC Fuel Facility Inspection Basis

- Supplemental Program Plans

- Quality Assurance Plans
- Emergency Response Plans
- Nuclear Material Control Plans
- Physical Security Plans
- Decommissioning Plans

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## NRC Fuel Facility Program Organization

- NRC Headquarters

- Reviews applicant's safety analysis
- Issues licenses
- Develops inspection program policies and guidance
- Conducts inspections of criticality safety analyses and Material Control & Accounting programs

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## NRC Fuel Facility Program Organization

- NRC Regional Office (Atlanta)
  - Develops inspection procedures
  - Interfaces with licensees on operational safety issues
  - Conducts inspections for most safety disciplines
  - Leads reviews of licensee performance

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## NRC Fuel Facility Inspection Program Areas

- Criticality Safety
- Radiation Safety
- Fire Safety
- Chemical Safety
- Waste Management
- Environmental Monitoring
- Transportation
- Material Control & Accounting
- Physical Security
- Emergency Preparedness
- Facility Support (Maintenance, Training)
- Facility Management (Quality Assurance, Configuration Control, Safety Review Committees)

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## Additional Inspection Experts

- Quality Assurance
- Facility Construction
- Fire Protection Systems Engineering
- Instrumentation and Controls
- Software Validation Engineering

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## Fuel Facility Inspection Staff Backgrounds

- Engineering
  - Chemical
  - Nuclear
  - Mechanical
  - Electrical
- Health Physics
- Environmental Science
- Statistics/Mathematics
- Physical Security

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## Conducting Fuel Facility Inspections

- Verification of Facility Safety Program
  - Inspectors observe safety controls to determine adequacy and condition
  - Inspectors observe workers performing activities that implement safety programs
  - Inspectors discuss safety aspects of facility operations with workers
  - Inspectors observe worker training sessions
- Inspectors verify safety systems and controls are properly used, maintained and understood by licensee workers

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## Documenting Inspection Results

- Inspection Reports Include:
  - Letter to licensee senior management
  - Notices of Violations (if any)
  - Executive Summary of inspection findings
  - Inspection Details (if not using a Form 591)
- Publicly-available inspection reports can be accessed electronically in the NRC's document system (ADAMS), accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>.

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## Other Inspection Activities

- **Reactive Inspections**
  - Performed in response to significant events
  - Inspection scope developed by NRC management
  - Usually involves inspection team
- **Inspecting Allegations**
  - Allegations are claims by workers or public of hidden safety problems
  - Inspectors review claims and determine if claims are true and whether safety is affected
  - Results of inspection communicated to person making allegation claim

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## To Report A Safety Concern:

- For an emergency, call NRC's 24-Hour Headquarters Operations Center at (301) 816-5100. Collect calls are accepted. Note: Calls to this number are recorded.
- For a non-emergency, you may send an e-mail to [allegations@nrc.gov](mailto:allegations@nrc.gov), or call NRC's Toll-Free Safety Hotline at (800) 695-7403. Calls to this number are not recorded between the hours of 7:00 a.m. to 5:00 p.m. Eastern Time.

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## Enforcement Actions

- NRC Enforcement Policy provides guidance on assessing significance and severity level of violations
  - Actual safety consequences
  - Potential safety consequences
  - Impact on NRC's ability to perform its regulatory function
  - Intentional violations

The NRC Enforcement Policy is available on the NRC public web site at <http://www.nrc.gov>

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## Licensee Performance Reviews

- NRC reviews licensee performance every 1 to 2 years
- Review is based on inspection results and licensing actions
- Common or recurring problems are identified as "Areas Needing Improvement"
- IMC 2604, "Licensee Performance Review," can be accessed electronically in the NRC's document system (ADAMS), accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>, at accession number ML021840232

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## Construction Inspection Program

- Two-Phased Approach
  - Construction Inspection Activities
    - Includes design control and verification
  - Pre-Operational Inspection Activities
    - Operational Readiness Reviews

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## Construction Inspection Activities

- Inspections of safety-related foundation work:
  - Structural components, equipment, and utilities)
- Inspections of structures, systems, and components:
  - Process enclosures
  - Piping
  - Vessels
  - Ventilation equipment

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## Construction Inspection Activities

- Inspections of on-site and off-site quality assurance programs
- Component supplier inspections
- Annual assessments of licensee performance

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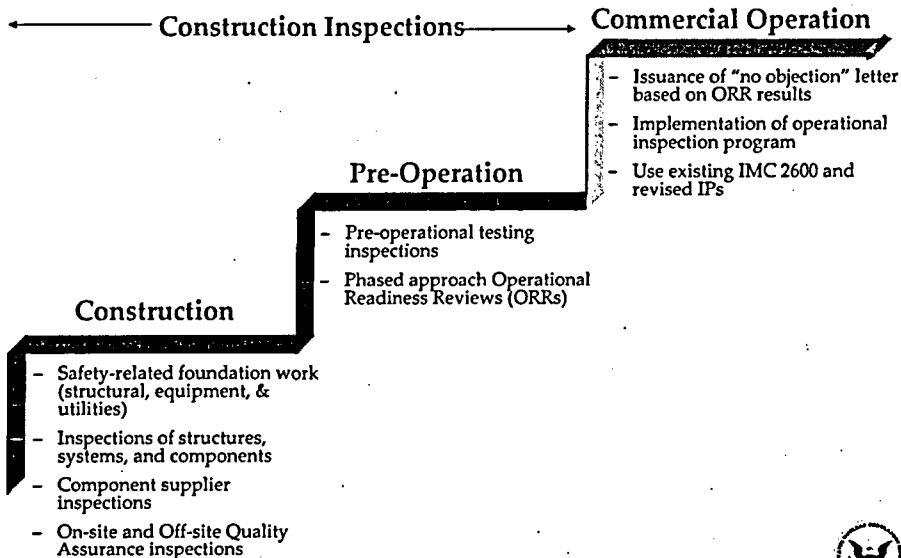
## Construction Inspection Schedule

- Inspections scheduled early in the process of individual construction activities to observe work in progress
- Develop confidence that the specific construction activities have been adequately accomplished at all stages of construction
- Inspection scope and frequencies may be expanded to assure problem areas have been corrected

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# LES Construction Inspection Program



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## Proceso de Inspección de la Instalación de Ciclo de Combustible de los Estados Unidos

Jay L. Henson, Director de la sucursal  
Sucursal de Inspección #2 de Instalaciones de  
Combustible  
División de la Inspección de Instalaciones de  
Combustible  
Atlanta, Georgia  
(e-mail: [jlh@nrc.gov](mailto:jlh@nrc.gov))

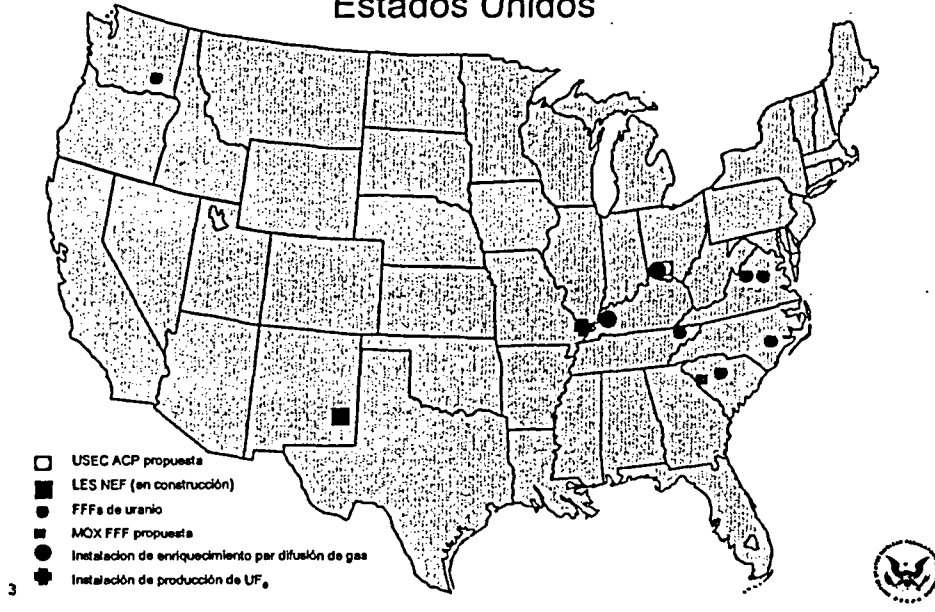


## Instalaciones de Ciclo de Combustible de los Estados Unidos

- Diez instalaciones actualmente con licencia de operación (incluyendo LES NEF)
- Dos instalaciones adicionales en plan de construcción (MOX, American Centrifuge)
- No se incluyen instalaciones en proceso de total decomisión



## Instalaciones de Ciclo de Combustible de los Estados Unidos



## Instalaciones de Ciclo de Combustible de los Estados Unidos

Concesionario	Lugar
Instalaciones de fabricación de combustible de uranio	
Global Nuclear Fuel-Americas, LLC	Wilmington, North Carolina
Westinghouse Electric Company, LLC	Columbia, South Carolina
Nuclear Fuel Services, Inc.	Erwin, Tennessee
Framatome ANP, Inc.	Lynchburg, Virginia
BWX Technologies, Inc.	Lynchburg, Virginia
Framatome ANP, Inc.	Richland, Washington
MOX FFF en las instalaciones del Río Savannah (autorización de construcción)	
Instalación (de conversión) de la producción de hexafluoruro de uranio	
Honeywell International, Inc.	Metropolis, Illinois
Instalaciones de enriquecimiento	
U.S. Enrichment Corporation/ USEC Inc.	Paducah, Kentucky y Piketon, Ohio (2 GDPs) / Lead Cascade y la ACP
LES National Enrichment Facility	Bajo construcción en Eunice, New Mexico

## Bases de Inspección de las Instalaciones de Combustible de NRC

- La ley requiere la protección del:
  - Público
  - Trabajadores
  - Ambiente
  - Equipo

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## Bases de Inspección de las Instalaciones de Combustible de NRC

- Inspecciones de seguridad son basadas en los requisitos de:
  - Ley de Energía Atómica
  - Código de regulaciones federales
  - Requisitos de licencia
  - Análisis de seguridad
  - Controles de seguridad
  - Planes suplementarios del programa aprobados por NRC

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## Bases de Inspección de las Instalaciones de Combustible de NRC

- Los requisitos de licencia establecidos a través de:
  - Compromisos hechos en la solicitud de licencia
  - Informe de evaluación de seguridad de NRC
  - Enmiendas de licencia
  - Órdenes de la Comisión

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## Bases de Inspección de las Instalaciones de Combustible de NRC

- Análisis de seguridad
  - Realizados por el solicitante
  - Resultan en un análisis de seguridad integrado
  - Establecen posibles escenarios de accidente
  - Identifican controles para mantener la seguridad

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## Bases de Inspección de las Instalaciones de Combustible de NRC

### ■ Planes suplementarios del programa

- Planes de aseguramiento de calidad
- Planes de respuesta de emergencia
- Planes de control de material nuclear
- Planes de seguridad física
- Planes de decomisión

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## Organización del Programa de las Instalaciones de Combustible de NRC

### ■ Oficina central de NRC

- Revisa el análisis de seguridad del solicitante
- Emite licencias
- Desarrolla políticas y directrices del programa de inspección
- Lleva a cabo inspecciones de criticidad en los análisis de seguridad y de los programas de control y contabilidad del material

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## Organización del Programa de las Instalaciones de Combustible de NRC

### ■ Oficina Regional de NRC (Atlanta)

- Desarrolla procedimientos de inspección
- Interactúa con los concesionarios en temas operativos de seguridad
- Lleva a cabo inspecciones para la mayoría de las disciplinas de seguridad
- Conduce revisiones del desempeño del concesionario

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## Áreas del Programa de Inspección de las Instalaciones de Combustible de NRC

- Seguridad de criticidad
- Seguridad de radiación
- Seguridad contra incendios
- Seguridad química
- Manejo de desechos
- Monitoreo ambiental
- Transporte
- Control y contabilidad del material
- Seguridad física
- Preparación para manejo de emergencia
- Asistencia a la instalación (Mantenimiento, entrenamiento)
- Gestión de la instalación (Aseguramiento de calidad, Control de configuración, Comités de revisión de seguridad)

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## Expertos Adicionales de Inspección

- Aseguramiento de calidad
- Construcción de la instalación
- Ingeniería de sistemas de protección contra incendios
- Instrumentación y controles
- Ingeniería de validación de programas

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## Preparación del Personal de Inspección de las Instalaciones de Combustible

- Ingeniería
  - Química
  - Nuclear
  - Mecánica
  - Eléctrica
- Física de la salud
- Ciencias ambientales
- Estadística/Matemáticas
- Seguridad física

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## Conducción de Inspecciones en las Instalaciones de Combustible

- Verificación del programa de seguridad de la instalación
  - Inspectores observan los controles de seguridad para determinar idoneidad y condición
  - Inspectores observan a los trabajadores realizando actividades que implementan programas de seguridad
  - Inspectores discuten aspectos de seguridad de las operaciones de la instalación con los trabajadores
  - Inspectores observan las sesiones de entrenamiento de los trabajadores
- Inspectores verifican que los sistemas y controles de seguridad son debidamente usados, mantenidos y entendidos por los trabajadores del concesionario

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## Documentación de los Resultados de la Inspección

- Los informes de la inspección incluyen:
  - Carta a la gerencia del concesionario
  - Notificación de violaciones (si las hubiera)
  - Resumen ejecutivo de los hallazgos de la inspección
  - Detalles de la inspección (si no se usa el formulario 591)
- Los informes de inspección para el público pueden obtenerse electrónicamente en el sistema de documentos de NRC (ADAMS), accesible desde la página web de NRC en <http://www.nrc.gov/reading-rm/adams.html>.

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## Otras Actividades de Inspección

- Inspecciones reactivas
  - Realizadas en respuesta a acontecimientos importantes
  - Alcance de la inspección desarrollado por la dirección de NRC
  - Normalmente implica al equipo de inspección
- Alegaciones de inspección
  - Alegaciones son reclamaciones de trabajadores o del público acerca de problemas de seguridad ocultos
  - Inspectores revisan las reclamaciones y determinan si las reclamaciones son ciertas y si la seguridad está afectada
  - Los resultados de la inspección se comunican a la persona que hace la reclamación de alegación

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## Para Informar de un Asunto de Seguridad:

- Para una emergencia, llame al Centro de Operaciones de las Oficinas Centrales de NRC 24 horas al día al (301) 816-5100. Se aceptan llamadas a cobro revertido. Nota: Las llamadas a este número se registran.
- Si no es una emergencia, usted puede enviar un correo electrónico a [allegations@nrc.gov](mailto:allegations@nrc.gov), o llamar a la línea directa de seguridad gratis de NRC al (800) 695-7403. Las llamadas a este número no se registran entre 7:00 a.m. y 5:00 p.m. hora del este.

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## Acciones de Ejecución

- La política de ejecución de NRC proporciona directrices para evaluar la importancia y el nivel de severidad de las violaciones
  - Consecuencias actuales de seguridad
  - Consecuencias potenciales de seguridad
  - Impacto en la habilidad de NRC de realizar su función reguladora
  - Violaciones internacionales

La política de ejecución de NRC está disponible en la página web pública de NRC en <http://www.nrc.gov>

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## Revisiones del Desempeño del Concesionario

- NRC revisa el desempeño del concesionario cada 1 o 2 años
- La revisión se basa en los resultados de la inspección y acciones de licencia
- Problemas comunes o repetitivos se identifican como "Áreas que necesitan mejora"
- IMC 2604, "Revisión del desempeño del concesionario," puede obtenerse electrónicamente en el sistema de documentos de NRC (ADAMS), accesible desde la página web de NRC en <http://www.nrc.gov/reading-rm/adams.html>, con el número de acceso ML021840232

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## Programa de Inspección de la Construcción

- Enfoque de dos fases
  - Actividades de inspección de la construcción
    - Incluye el control y verificación de diseño
  - Actividades de inspección preoperativas
    - Revisiones de preparación operativa

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## Actividades de Inspección de la Construcción

- Inspecciones del trabajo de cimentación relacionado con la seguridad:
  - Componentes estructurales, equipo, y utilidades)
- Inspecciones de estructuras, sistemas y componentes:
  - Recintos del proceso
  - Tuberías
  - Contenedores
  - Equipo de ventilación

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## Actividades de Inspección de la Construcción

- Inspecciones de programas de aseguramiento de calidad dentro y fuera de planta
- Inspecciones del proveedor de componentes
- Evaluaciones anuales del desempeño del concesionario

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## Programa de Inspección de la Construcción

- Las inspecciones se programan temprano en el proceso de actividades individuales de construcción para observar el trabajo que se está realizando
- Desarrolla confianza de que las actividades específicas de construcción han sido realizadas debidamente en todas las etapas de la construcción
- El alcance de la inspección y la frecuencia pueden expandirse para asegurar que las áreas con problemas han sido corregidas

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## *Programa de Inspección de Construcción LES*

