



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION II
245 PEACHTREE CENTER AVENUE N.E., SUITE 1200
ATLANTA, GEORGIA 30303-1200

May 23, 2019

MEMORANDUM TO: Robert Williams, Chief
Projects Branch 1
Division of Fuel Facility Inspection

FROM: Joel Rivera, Senior Fuel Facility Inspector **/RA/**
Projects Branch 1
Division of Fuel Facility Inspection

SUBJECT: PUBLIC MEETING SUMMARY – LICENSEE PERFORMANCE
REVIEW OF NUCLEAR FUEL SERVICES DOCKET NO. 70-143

On May 16, 2019, the Nuclear Regulatory Commission (NRC) staff met with members of the public at the Town Hall in Erwin, Tennessee concerning the Licensee Performance Review (LPR) of the Nuclear Fuel Services (NFS) Facility. The purpose of the open house/poster session was to provide opportunities to discuss the performance assessment of NFS for the period of January 1, 2017 – December 31, 2018, with the public. Attached are a list of attendees and a copy of the handouts provided at the meeting. Additionally, copies of the LPR Letter to the licensee (ADAMS No. ML19060A210) and the Public Meeting Notice (ADAMS No. ML19115A034) were provided to the meeting attendees.

The NRC staff had the opportunity to interact one-on-one with members of the public, members of the Erwin Citizens Awareness Network (ECAN), local newspapers and radio, and a Congressional staffer. In general, the open house format facilitated productive discussions with the attendees. The NRC did not receive any feedback forms immediately after the meeting.

Docket No.: 70-143
License No.: SNM-124

Attachments:

1. List of Attendees
2. Public Meeting Handouts

CONTACT: Joel Rivera, RII/DFFI/PB1
404-997-4825

SUBJECT: PUBLIC MEETING SUMMARY – LICENSEE PERFORMANCE
REVIEW OF NUCLEAR FUEL SERVICES DOCKET NO. 70-143

ADAMS Accession No. ML19149A554

OFFICE	RII/DFFI					
NAME	Joel Rivera					
DATE	5/23/2019					

OFFICIAL RECORD COPY

Public Meeting Attendees

Meeting: Licensee Performance Review of Nuclear Fuel Services
Location: Erwin Town Hall (211 N Main Ave, Erwin, TN 37650)
Date: May 16, 2019
Duration: 6:00pm-7:30pm

NAME	ORGANIZATION
Andrew Pretzello	USNRC
Art Gillen	
Buzz Davies	ECAN
David A. Ayres	Public
Edward Herndon	Erwin-Unicoi EMA
Frank Bowman	
Glen Tilson	Public
Hilda Davies	ECAN
Jake Zimmerman	USNRC
Jan Gordon	
Jim Lions	Public
Joe Sisson	
Joel Rivera	USNRC
John Pelchat	USNRC
Ken Little	Greeneville Sun
Kevin Ramsey	USNRC
LaDonna Suggs	USNRC
Larry Harris	USNRC
Laura Bailey	NFS
Leonard Pitts	USNRC
Linda Modica	ECAN
Maria True	JET Broadcasting Corp
Mary Kay Bearden	Public
Matthew Bartlett	USNRC
Michael Hensley	Senator Marsha Blackburn

Pamela Kruger	USNRC
Park Overall	Public
R. Shackelford	NFS
Richard Freudenberg	NFS
Richard Gibson	USNRC
Richard Rourk	The Erwin Record
Robert Williams	USNRC
Roger Hannah	USNRC
Sally Gerhardt	Public
Sherry Cooper	Public
Stan Olmstead	Public
Sue Legg	Johnson City Press
Susan Craig	Public

Public Meeting Handouts

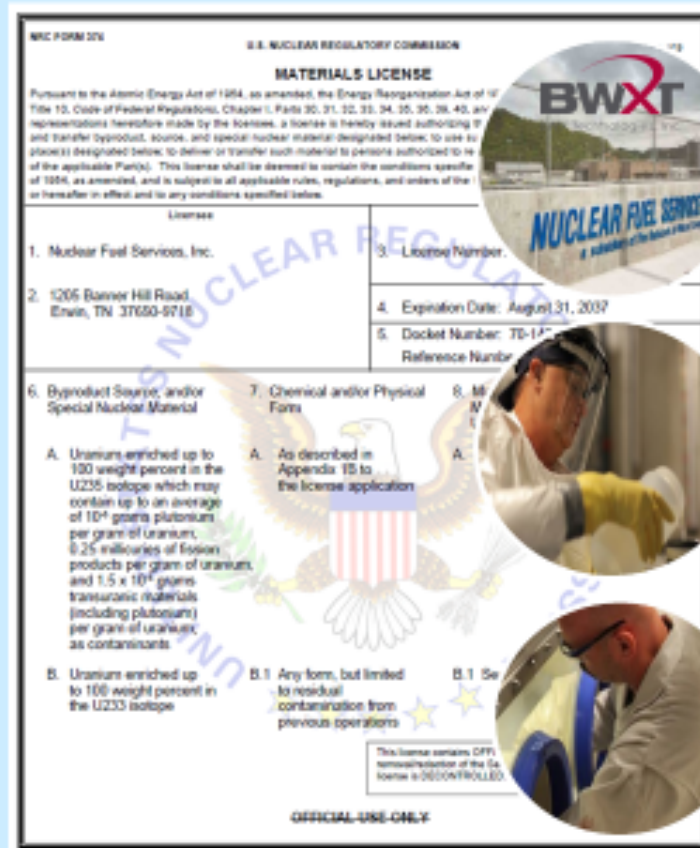
Licensee Performance Review of
Nuclear Fuel Services

May 16, 2019

Nuclear Fuel Services Facility

Licensed Activities

- Possess Special Nuclear Material (Highly Enriched Uranium)
- Process and develop uranium products
- Operate on-site laboratories
- Treat and discharge plant effluents



U.S. NUCLEAR REGULATORY COMMISSION
MATERIALS LICENSE

Pursuant to the Atomic Energy Act of 1954, as amended; the Energy Reorganization Act of 1974, Title 10, Code of Federal Regulations, Chapter I, Parts 35, 36, 37, 38, 39, 40, and 41, and representations heretofore made by the licensee, a license is hereby issued authorizing it and its transferees, successors, and assigns to possess, use, and transfer byproduct, source, and special nuclear material designated below, to use in process(es) designated below, to deliver or transfer such material to persons authorized to receive it, and to use the same in accordance with the conditions specified in the applicable Part(s) of the Code of Federal Regulations, and orders of the Commission, and is subject to all applicable rules, regulations, and orders of the Commission, and to any conditions specified below.

Licensee 1. Nuclear Fuel Services, Inc. 2. 1205 Banner Hill Road, Elwin, TN 37650-9718		License Information 3. License Number: _____ 4. Expiration Date: August 31, 2037 5. Docket Number: 76-147 Reference Number: _____
6. Byproduct Source, and/or Special Nuclear Material A. Uranium enriched up to 100 weight percent in the U235 isotope which may contain up to an average of 10 ⁻⁴ grams plutonium per gram of uranium, 0.25 millicuries of fission products per gram of uranium, and 1.5 x 10 ⁻⁴ grams transuranic materials (including plutonium) per gram of uranium as contaminants. B. Uranium enriched up to 100 weight percent in the U235 isotope	7. Chemical and/or Physical Form A. As described in Appendix TS to the license application B.1 Any form, but limited to residual contamination from previous operations	8. Material A. _____ B.1 _____

This license contains GPP, nonexempt from the GPP license is UNCONTROLLED

OFFICIAL USE ONLY

Nuclear Fuel Services Facility

Licensee Performance Review Summary (2017-2018)

- NFS conducted activities safely and securely
- No area needing improvement (ANI) was identified in the performance assessment areas
- NRC will conduct core (routine) inspection program in the next performance assessment cycle



NRC's Fuel Cycle Oversight Components



Inspections



Investigations



Allegations



Incident
Response

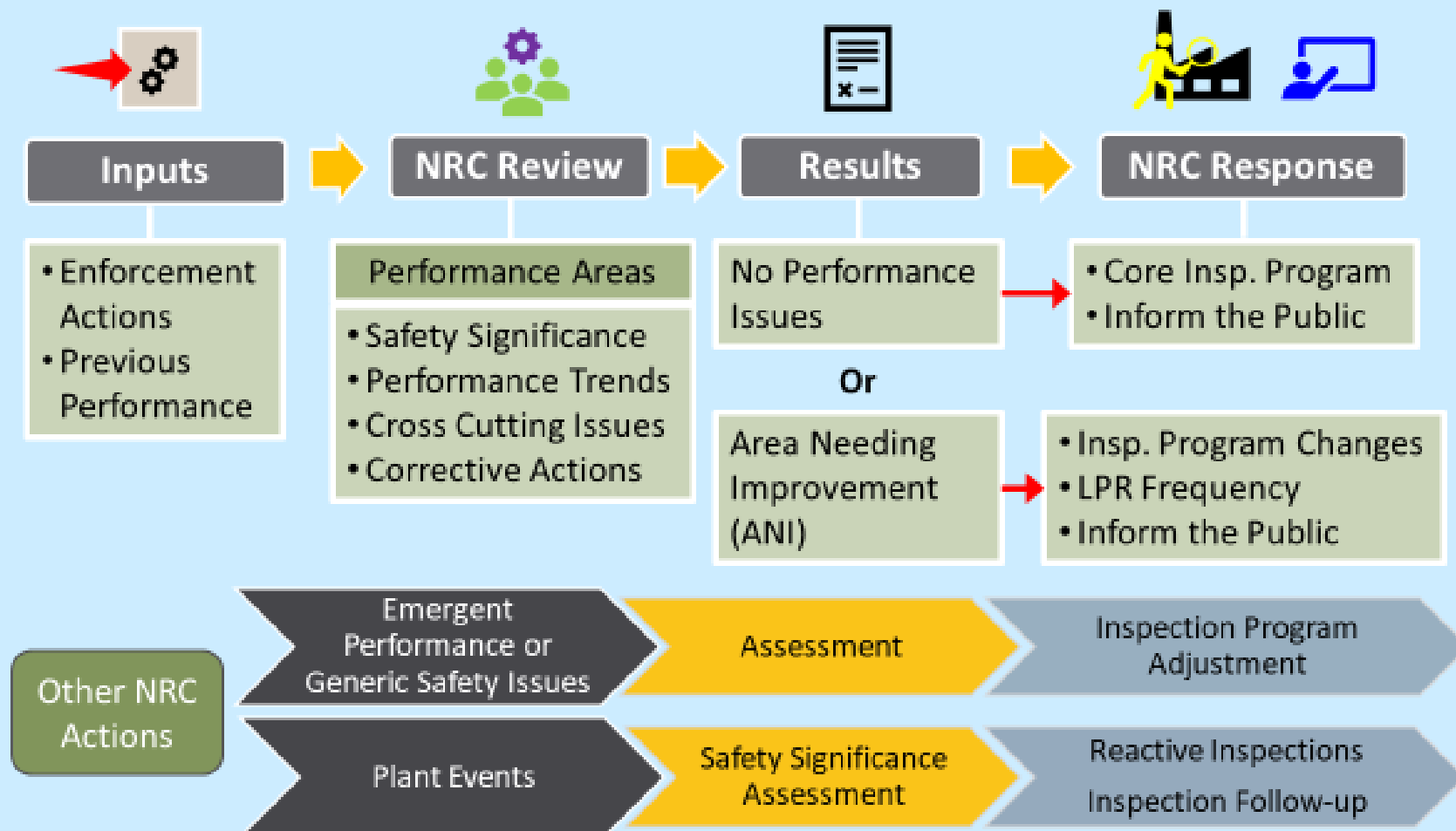


Enforcement



Performance
Assessment

Licensee Performance Review Process



LPR = Licensee Performance Review

<https://www.nrc.gov/about-nrc/contactus.html>

Licensee Performance Areas



Safety Operations

Operational Safety

- Safety Controls
- Supporting Safety Programs



Criticality Safety

- Criticality Controls
- Program Oversight
- Criticality Incident Response



Fire Protection

- Prevention, Detection, & Mitigation
- Supporting Fire Safety Programs



Licensee Performance Areas



Radiological Controls

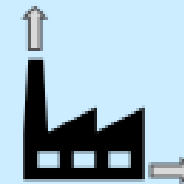
Radiation Protection

- Members of the Public
- Plant Workers



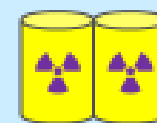
Effluent Control and Environmental Protection

- Program Implementation
- Liquid and Gaseous Effluents



Waste Management

- Processing, Handling, Storage & Transportation of Waste



Transportation

- Receipt, Packaging & Delivery of Radioactive Materials



Licensee Performance Areas



Facility Support & Other Areas

Maintenance and Surveillance

- Safety Controls
- Supporting Program Elements



Emergency Preparedness

- Emergency Plan Implementation
- Evaluation of Emergency Drills



Plant Modifications

- Configuration Management Program
- Request for NRC Approval



Plant Events

- Safety Assessment and Follow-up



Safeguards

- Material Control, Physical Protection, Classified Material & Information Security



NRC On-site Core Inspection Effort



Category I Fuel Facility



**Resident
Inspector**
(797 hrs)



**Region 2
Inspectors**
(672 - 1,275 hrs)



Category 1 Fuel Facility

Safeguards
(230-720 hrs)

**Criticality
Safety**
(192 hrs)

**Fire
Protection
(Triennial)**
(90 hrs)

**Resident
Inspector**
(797 hrs)

**Radiological
Controls**
(96 hrs)

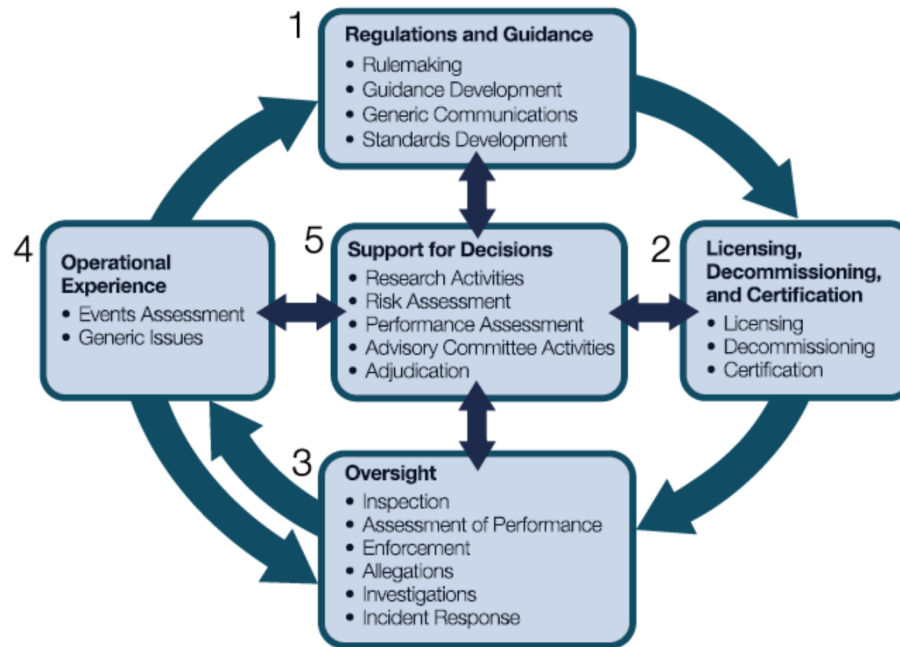
**Emergency
Preparedness**
(32-80 hrs)

**Plant
Modifications**
(32-96 hrs)

Note: The hours above represent the estimated effort allocated to on-site routine inspections every year.

<https://www.nrc.gov/about-nrc/contactus.html>

How We Regulate



1. Developing regulations and guidance for applicants and licensees.
2. Licensing or certifying applicants to use nuclear materials, operate nuclear facilities, and decommission facilities.
3. Inspecting and assessing licensee operations and facilities to ensure licensees comply with NRC requirements, responding to incidents, investigating allegations of wrongdoing, and taking appropriate followup or enforcement actions when necessary.
4. Evaluating operational experience of licensed facilities and activities.
5. Conducting research, holding hearings, and obtaining independent reviews to support regulatory decisions.

As of July 2018

NRC Contact Information



NRC Headquarters

Main: 1-800-368-5642, (301) 415-7000

NRC Region 2

Main: 1-800-577-8510, (404) 997-4000

Public Affairs

Roger Hannah - Sr. Public Affairs Officer
Roger.Hannah@nrc.gov
 (404) 997-4417

Joey Ledford - Field Public Affairs Officer
Joey.Ledford@nrc.gov
 (404) 997-4416

Report a Safety or Security Concern

Phone: 1-800-695-7403

Region 2/Inspection Branch

Robert Williams - Chief

Robert.Williams@nrc.gov

Larry Harris - Sr. Resident Inspector

Larry.Harris@nrc.gov

Joel Rivera - Sr. Fuel Facility Inspector

Joel.RiveraOrtiz@nrc.gov

Carmen Rivera - Fuel Facility Inspector

Carmen.RiveraDiaz@nrc.gov

Headquarters/Licensing Branch

Jacob Zimmerman - Chief

Jacob.Zimmerman@nrc.gov

Kevin Ramsey - Sr. Project Manager

Kevin.Ramsey@nrc.gov

Matt Bartlett - Project Manager

Matt.Bartlett@nrc.gov



Home > Facility Locator > Fuel Cycle Facilities > NFS

NFS



Location: Erwin, TN
 Licensee: Nuclear Fuel Services, Inc.
 Operating License: SNM-124
 License Expires: August 31, 2037
 Docket Number: 07000143

Facility Type: Fuel Fabrication
 Facility Status: Operating / Partial Decommissioning

Press Releases
 Upcoming Meetings
 Past Meetings

Operating

Facility Information

- Inspection Reports
- Written Event Reports (30 or 60 Day)⁺
- Frequently Asked Questions

NRC Employee Contacts

- Public Affairs:
800-368-5642
301-415-8200
- Project Manager

Key Documents

- Licensee Performance Reviews
- Semiannual Effluent Reports
- Enforcement Actions
- Regulations for Special Nuclear Material

Related Information

- ADAMS – for additional documents
- Agreement State Director/State Liaison Officer
- FEMA's State Offices and Agencies of Emergency Management
- Fuel Cycle Facilities Oversight
- Materials home page
- NRC Emergency Preparedness and Response
- Nuclear Materials Quick Links
- Other Facilities in Tennessee
- United States Environmental Protection Agency

⁺ This feature displays the written event reports for this site. To find information on events reported as an "immediate report" or "twenty-four hour report" prior to the 30 day time elapse, please see Event Notification Reports. Part 21 Reports are also available.

Page Last Reviewed/Updated Monday, April 15, 2019

Site-Specific Information about NFS is Available at:

<https://www.nrc.gov/info-finder/fc/nuclear-fuel-services.html?panel=0#panel0>