

# 2019 - 2020 Licensee Performance Review



Nuclear Regulatory Commission - Region II  
April 28, 2021, 5:30 PM (EDT)

**For audio, please dial: 1-888-810-4797, Passcode: 3061191**

# AUDIO AND VISUAL

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- If you are having difficulty seeing the slides, please email Timothy Sippel at [Timothy.Sippel@nrc.gov](mailto:Timothy.Sippel@nrc.gov).
- Attendance
  - Please provide your first and last name and affiliation when prompted.

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# WELCOME



Discuss licensee  
performance 2019-2020



Address findings and  
Performance



Observation Meeting

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# AGENDA

- Introductions
- Our Mission
- Performance Review Process
- Performance Review Results
- Response
- Adjourn Business Portion
- Question & Answer with the Public
- Adjourn Meeting

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# NRC MISSION

The NRC licenses and regulates the Nation's civilian use of radioactive materials to provide reasonable assurance of adequate protection of public health and safety and to promote the common defense and security and to protect the environment.

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# NRC FUEL CYCLE OVERSIGHT COMPONENTS



Inspections



Investigations



Allegations



Incident  
Response



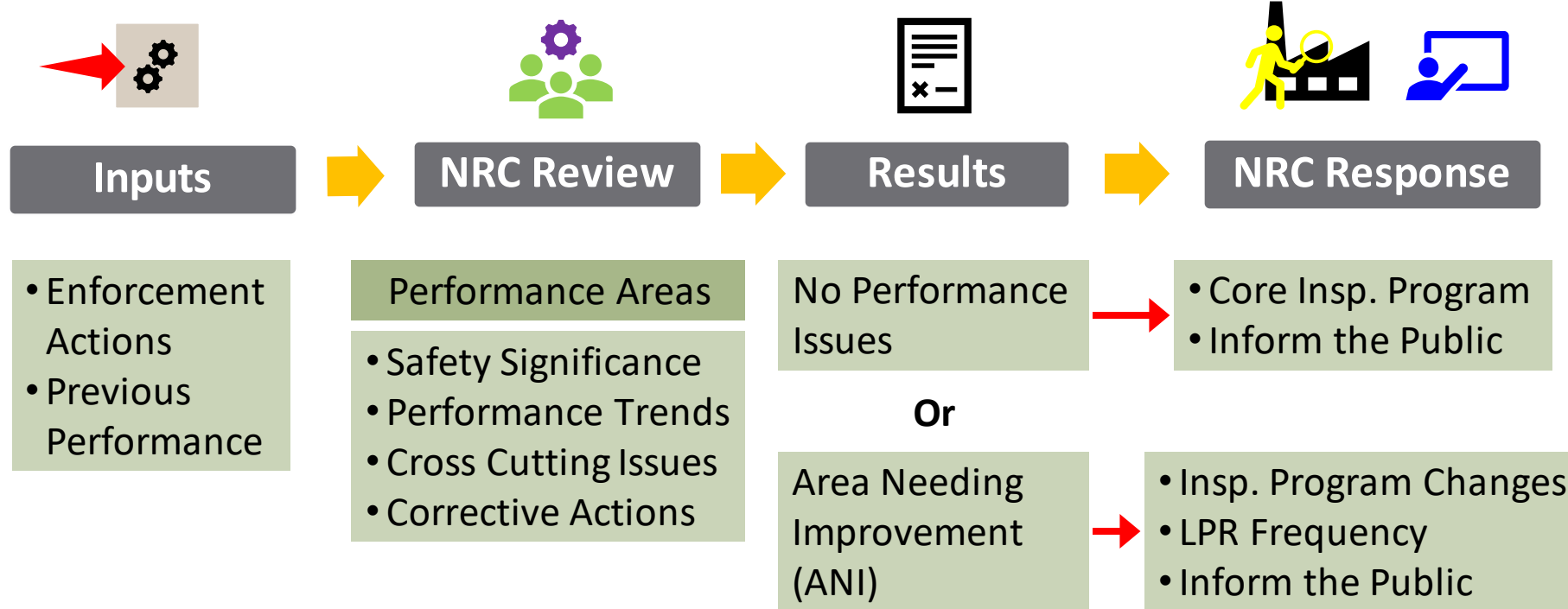
Enforcement



Performance  
Assessment

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# LICENSEE PERFORMANCE REVIEW PROCESS



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# 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



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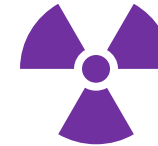


# LICENSEE PERFORMANCE AREAS

## Radiological Controls

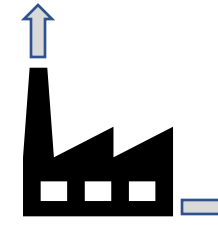
### Radiation Protection

- Members of the Public
- Plant Workers



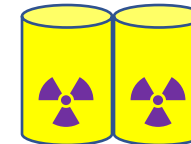
### Effluent Control & Environmental Protection

- Program Implementation
- Liquid and Gaseous Effluents



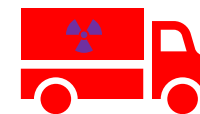
### Waste Management

- Processing, Handling, Storage & Transportation of Waste



### Transportation

- Receipt, Packaging & Delivery of Radioactive Materials



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# LICENSEE PERFORMANCE AREAS

## Facility Support

### 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



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# LICENSEE PERFORMANCE AREAS

Safeguards & Other Areas

Material Control & Accounting



Physical Protection



Information Security



Other Areas

- Assessment and Follow-up of Plant Events
- New Facilities or Processes



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# LICENSED ACTIVITIES

## BWXT Nuclear Operations Group (NOG) Fuel Fabrication Facility

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



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

March 5, 2021

Mr. Jim Bittner  
Vice President and General Manager  
BWXT Nuclear Operations Group, Inc.  
P.O. Box 785  
Lynchburg, VA 24505-0785

SUBJECT: BWXT NUCLEAR OPERATIONS GROUP –  
REVIEW (NUCLEAR REGULATORY COMM  
70-27/2021-005)

Dear Mr. Bittner:

The U.S. Nuclear Regulatory Commission (NRC) staff in the Region II Office of Nuclear Material Safety and Safeguards, and the Office of Nuclear Emergency Response completed a periodic review of the BWXT Nuclear Operations Group, Lynchburg, VA, fuel fabrication facility performance in conducting a performance review covered licensed activities from January 1, 2019, to December 31, 2020. The performance of BWXT NOG was evaluated in the areas of Safety Operations, Safeguards, Radiological Controls, Facility Support, and Other Areas. In accordance with Inspection Manual Chapter (IMC) 2604, "L

Overall, the staff determined that BWXT NOG has continued to conduct its licensed activities safely and securely and in a manner that protects public health and the environment. Based on our review of NRC regulated activities, no area subject to regulatory control or improvement was identified for Safety Operations, Safeguards, Radiological Controls, Facility Support, and Other Areas. Therefore, the NRC plans to conduct the core inspection program for a Category I Fuel Facility as described in NRC Inspection Manual Chapter 2604, Appendix B, "NRC Core Inspection Requirements," for the period of January 1, 2021, to December 31, 2022. No separate letter will be issued addressing the Safeguards area.

The results of our review will be discussed with you at a public meeting that will be conducted via an online webinar. During the meeting, you will have an opportunity to discuss your performance in the same major areas as those discussed in this letter.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice and Procedure," this letter and its enclosure will be available electronically for public review in the Document Room or from the Publicly Available Records (PARS) system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).



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# NRC ON-SITE ANNUAL INSPECTION EFFORT

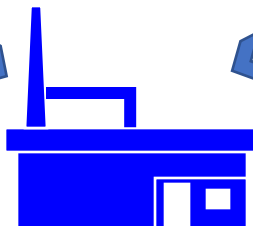
## Category I Fuel Facility



Resident  
Inspector  
(797 hrs)

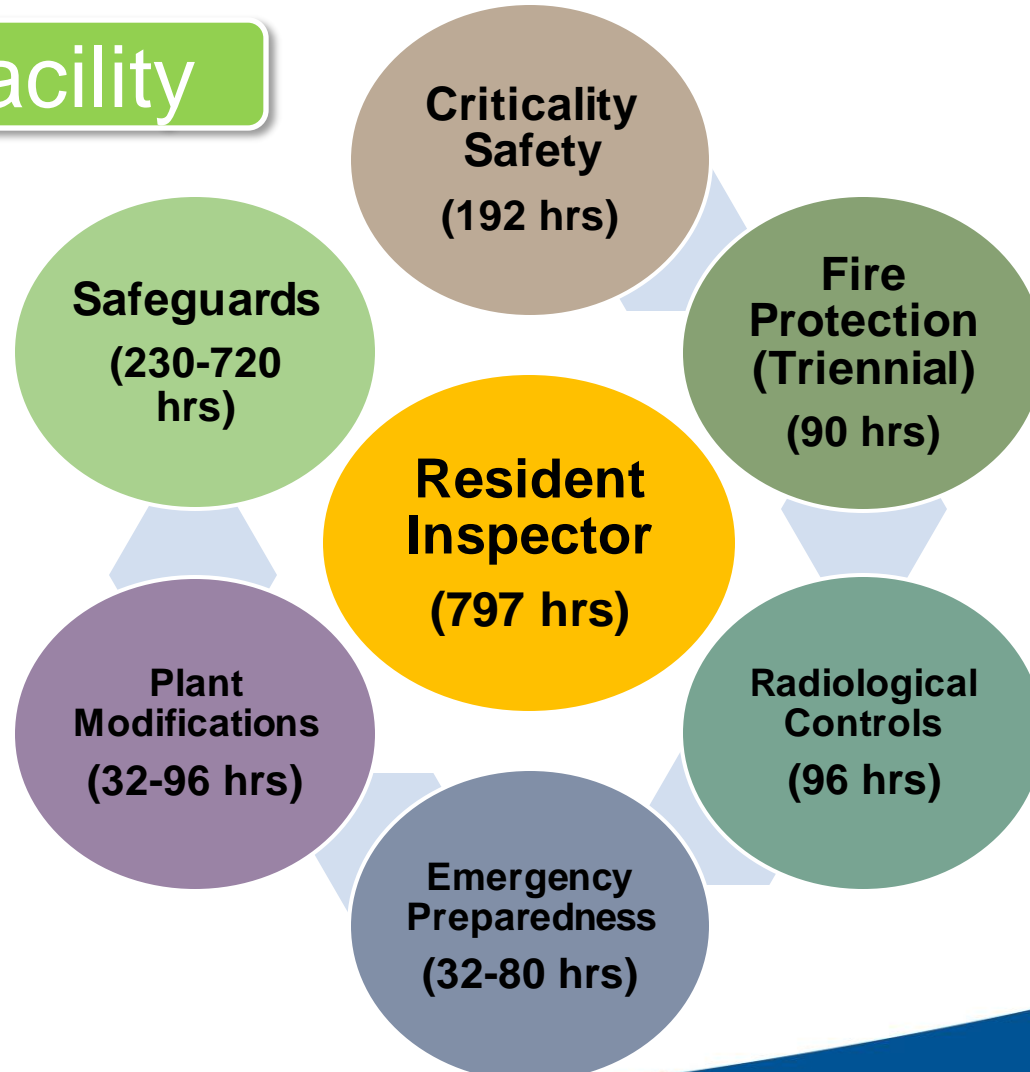


Region 2  
Inspectors  
(672 - 1,275 hrs)



Category 1 Fuel  
Facility

*Note: The hours above are the estimated effort allocated to on-site routine inspections yearly between 2019 - 2020.*



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# PERFORMANCE REVIEW RESULTS

## BWX Technologies, Inc. NOG - Lynchburg

- BWXT conducted activities safely and securely in 2019 and 2020.
- No Area Needing Improvement was identified in the performance assessment areas.
- NRC will conduct routine inspection program in the next performance assessment cycle.
- Results are publicly available in ADAMS via Accession Number ML21064A522.

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# REMARKS FROM



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# QUESTIONS AND COMMENTS FROM THE PUBLIC

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Questions/Information: [OPA2.Resource@nrc.gov](mailto:OPA2.Resource@nrc.gov) or  
call 404-997-4417

For Safety or Security Concerns:

- Non-Emergency Hotline: 1-800-695-7403
- Emergencies: 301-816-5100
- Link: <https://www.nrc.gov/about-nrc/regulatory/allegations/safety-concern.html>

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# PROVIDING FEEDBACK TO THE NRC

<https://feedback.nrc.gov/pmfs/feedback/form?meetingcode=20210426>

