



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

December 20, 2024

Daniel Ashworth, Manager  
Licensing and Safety Analysis  
BWXT Nuclear Operations Group, Inc.  
P.O. Box 785  
Lynchburg, VA 24505-0785

SUBJECT: LICENSE AMENDMENT 48 – APPROVAL OF REQUEST FOR PROPOSED  
CHANGES TO LICENSE CONDITION SG-5.6 – ENTERPRISE PROJECT  
IDENTIFIER L-2024-LLA-0094

Dear Daniel Ashworth:

This is regarding the submittal from BWXT Nuclear Operations Group, Inc. – Lynchburg (BWXT NOG-L) dated June 25, 2024 (not publicly available due to the sensitive, security-related, and classified information contained therein), as supplemented by letter dated November 14, 2024 (Agencywide Documents Access and Management System [ADAMS] Accession No. ML24324A345), that requested U.S. Nuclear Regulatory Commission (NRC) approval of proposed changes to license condition SG-5.6 of special nuclear material (SNM) license number 42 (SNM-42) to align with related changes to the BWXT NOG-L Fundamental Nuclear Material Control Plan and chapter 1 of the License Application.

The NRC staff has completed its review of the request. The NRC has determined that the proposed changes to license condition SG-5.6 of SNM-42 are acceptable, and issuance of this license amendment will not significantly impact the public health and safety and the environment, will not be inimical to the common defense and security, and will not endanger life or property or the common defense and security.

Pursuant to Title 10 of the *Code of Federal Regulations* (10 CFR) Part 70, “Domestic Licensing of Special Nuclear Materials,” Materials License SNM-42 is hereby amended to revise license condition SG-5.6 – which has been redacted for this publicly available cover letter, as notated by **[[ ]]**:

Enclosures 2 & 3 transmitted with this letter contain **Security-Related Information**. When separated from Enclosures 2 & 3, this letter and Enclosure 1 are decontrolled.

D. Ashworth

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SG-5.6 Notwithstanding the SNM possession limits allowed by Conditions 6, 7, and 8 of this license, and notwithstanding the material control and accounting (MC&A) requirements that would normally apply to the authorized possession and use of such SNM quantities, the **[[ ]]** is exempted from the MC&A requirements of 10 CFR Parts 70 and 74 except for those identified below. This exemption is conditional upon compliance with the licensee's commitments, as given in the General Discussion Section of the Plan identified in Safeguards Condition SG-5.1, to: (1) maintain the total possessed unirradiated and unencapsulated SNM quantity at the **[[ ]]** below 1 effective kilogram per building; (2) maintain the total possessed unirradiated and unencapsulated SNM quantity at the **[[ ]]** below a level of Moderate Strategic Significance; and (3) maintain the **[[ ]]** as a separate plant located outside of the security protected area fence that encloses the BWXT Nuclear Operations Group - Lynchburg facility. Those MC&A regulatory requirements of 10 CFR Parts 70 and 74 that apply to the **[[ ]]** are as follows:

10 CFR 70.51(b)(1) through (3); 10 CFR 74.6; 10 CFR 74.11; 10 CFR 74.13(a); 10 CFR 74.15; 10 CFR 74.17(c); 10 CFR 74.19; and 10 CFR 74.31, excluding 74.31(c)(5).

All other license conditions shall remain the same. Enclosures 1 and 2 to this letter provide the amended Materials License SNM-42. The NRC staff's review is documented in a Safeguards Evaluation Report, which is Enclosure 3 to this letter. This letter concludes action on the referenced submittal, and Enterprise Project Identifier L-2024-LLA-0094 is considered **CLOSED**.

Enclosures 2 and 3 contain sensitive security-related information. Accordingly, they are marked as "Official Use Only," and are withheld from public disclosure. When separated from the sensitive enclosures, this letter and Enclosure 1 are decontrolled and publicly available, in accordance with 10 CFR 2.390 of the NRC's "Agency Rules of Practice and Procedure."

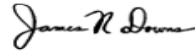
In accordance with 10 CFR 2.390, "Public inspections, exemptions, requests for withholding," a copy of this letter and Enclosure 1 will be available electronically for public inspection in the NRC Public Document Room (PDR) or from the Publicly Available Records component of the NRC's ADAMS. The ADAMS database is accessible from the NRC website at <http://www.nrc.gov/reading-rm/adams.html>. The PDR is open by appointment. To make an appointment to visit the PDR, please send an email to [PDR.Resource@nrc.gov](mailto:PDR.Resource@nrc.gov) or call 1-800-397-4209 or 301-415-4737, between 8 a.m. and 4 p.m. eastern time (ET), Monday through Friday, except Federal holidays.

D. Ashworth

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If you have any questions regarding this matter, please contact Osiris Siurano-Pérez, Project Manager, at 301-415-7827, or via email to [Osiris.Siurano-Perez@nrc.gov](mailto:Osiris.Siurano-Perez@nrc.gov).

Sincerely,



Signed by Downs, James  
on 12/20/24

James R. Downs, Acting Chief  
Fuel Facility Licensing Branch  
Division of Fuel Management  
Office of Nuclear Material Safety  
and Safeguards

Docket No. 70-27  
License No. SNM-42

Enclosures:

1. Amendment 48 to Materials License  
SNM-42 (Public)
2. Amendment 48 to Materials License  
SNM-42 (Non-Public)
3. Safeguards Evaluation Report  
(Non-Public)

cc: [bwxt@listmgr.nrc.gov](mailto:bwxt@listmgr.nrc.gov)

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SUBJECT: LICENSE AMENDMENT 48 – APPROVAL OF REQUEST FOR PROPOSED CHANGES TO LICENSE CONDITION SG-5.6 – ENTERPRISE PROJECT IDENTIFIER L-2024-LLA-0094

DOCUMENT DATE: December 20, 2024

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**ADAMS Accession Nos.: ML24352A208 (Pkg), ML24352A210 (Letter), ML24352A211 (Enclosure 1), ML24352A212 (Enclosure 2 – non-public), ML24352A213 (Enclosure 3 – non-public)**

OFFICE	NMSS/DFM	NMSS/DFM	NMSS/DFM
NAME	OSiurano-Perez	JGoodridge	JDowns
DATE	12/17/2024	12/18/2024	12/20/2024

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