

Document description	ADAMS Accession No. or Federal Register notice
EA for part 72 amendment to allow spent fuel storage in NRC-approved casks, dated March 8, 1989 ..... Direct Final Rule for List of Approved Spent Fuel Storage Casks: Holtec International HI-STORM Flood/Wind Multipurpose Canister Storage System, Amendment 2, dated August 23, 2016.	ML051230231. 81 FR 57442.
Safety Determination of a Potential Structural Failure of the Fuel Basket During Accident Conditions for the HI-STORM 100 and HI-STORM Flood/Wind Dry Cask Storage Systems, dated January 31, 2024.	ML24018A085.
NRC email to TDSHS requesting review of EA/FONSI for STP Exemption, dated June 3, 2024 .....	ML24170A886.
TDSHS email response regarding review of EA/FONSI for TSP Exemption, dated June 18, 2024 .....	ML24170A887.

Dated: June 21, 2024.

For the Nuclear Regulatory Commission.

**Yoira Diaz-Sanabria,**

Chief, Storage and Transportation Licensing Branch, Division of Fuel Management, Office of Nuclear Material Safety and Safeguards.

[FR Doc. 2024-13978 Filed 6-25-24; 8:45 am]

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## NUCLEAR REGULATORY COMMISSION

[Docket No. 030-00001; License No. 24-04206-01; EA-21-055; NRC-2024-0109]

### In the Matter of Curium US LLC; Confirmatory Order Modifying License

**AGENCY:** Nuclear Regulatory Commission.

**ACTION:** Notice; issuance.

**SUMMARY:** The U.S. Nuclear Regulatory Commission (NRC) is issuing a Confirmatory Order to Curium US LLC to memorialize the agreement reached during an alternative dispute resolution mediation session held on March 5-6, 2024. The Confirmatory Order contains commitments made to resolve 10 apparent violations of NRC requirements relating to an August 2019 contamination incident involving molybdenum-99 and technetium-99m. The commitments include actions by Curium US LLC to enhance its operating procedures, corrective action program, employee training, and safety culture. The Confirmatory Order is effective upon issuance.

**DATES:** The Confirmatory Order was issued on June 13, 2024.

**ADDRESSES:** Please refer to Docket ID NRC-2024-0109 when contacting the NRC about the availability of information regarding this document. You may obtain publicly available information related to this document using any of the following methods:

- *Federal Rulemaking website:* Go to <https://www.regulations.gov> and search for Docket ID NRC-2024-0109. Address questions about Docket IDs in *Regulations.gov* to Stacy Schumann; telephone: 301-415-0624; email: [Stacy.Schumann@nrc.gov](mailto:Stacy.Schumann@nrc.gov). For technical questions, contact the individual listed

in the “**FOR FURTHER INFORMATION CONTACT**” section of this document.

- *NRC’s Agencywide Documents Access and Management System (ADAMS):* You may obtain publicly available documents online in the ADAMS Public Documents collection at <https://www.nrc.gov/reading-rm/adams.html>. To begin the search, select “Begin Web-based ADAMS Search.” For problems with ADAMS, please contact the NRC’s Public Document Room (PDR) reference staff at 1-800-397-4209, at 301-415-4737, or by email to [PDR.Resource@nrc.gov](mailto:PDR.Resource@nrc.gov). The NRC Reactive Inspection Report No. 03000001/2019003(DRSS)—Curium US LLC. is available in ADAMS under Accession No. ML24005A060.

- *NRC’s PDR:* The PDR, where you may examine and order copies of publicly available documents, 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.

**FOR FURTHER INFORMATION CONTACT:** Diana Betancourt-Roldan, Region III, U.S. Nuclear Regulatory Commission, telephone: 630-810-4373; email: [Diana.Betancourt-Roldan@nrc.gov](mailto:Diana.Betancourt-Roldan@nrc.gov).

**SUPPLEMENTARY INFORMATION:** The text of the order is attached.

Dated: June 20, 2024.

For the Nuclear Regulatory Commission.

**John B. Giessner,**

Regional Administrator, Region III.

### Attachment—Confirmatory Order

#### UNITED STATES OF AMERICA

#### NUCLEAR REGULATORY COMMISSION

*In the Matter of:* Curium US LLC,  
Docket No. 030-00001, License No.  
24-04206-01, EA-21-055

### Confirmatory Order Modifying License (Effective Upon Issuance)

#### I

Curium US LLC holds Materials License No. 24-04206-01 issued on May 18, 2023 (Amendment No. 105), by

the U.S. Nuclear Regulatory Commission (NRC or Commission) pursuant to Part 30 of Title 10 of the Code of Federal Regulations (10 CFR). At the time of the events that led to the NRC’s October 2019 reactive inspection, Curium conducted operations under Amendment 99 of License No. 24-04206-01, which was issued on July 2, 2019. The license authorizes the use of byproduct material, as described in the application dated December 22, 2011, in accordance with conditions specified in the license.

This Confirmatory Order is the result of an agreement reached during an Alternative Dispute Resolution (ADR) mediation session conducted on March 5-6, 2024, in Lisle, Illinois.

#### II

On October 29-30, 2019, the NRC conducted a reactive inspection with continued in-office review through December 21, 2023. On January 11, 2024, the NRC issued Inspection Report 03000001/2019003 to Curium US LLC which documented the identification of 10 apparent violations that occurred at the Maryland Heights, Missouri facility as the result of a contamination event on August 19, 2019. The apparent violations were being considered for escalated enforcement action in accordance with the NRC Enforcement Policy. The apparent violations involved the failure to: (1) report, within 24 hours of discovery, an event that involved loss of control of licensed material that caused the release of radioactive material, so that, had an individual been present for 24 hours in the area, the individual could have received an intake in excess of one occupational annual limit on intake, as required by 10 CFR 20.2202(b)(2); (2) notify the NRC within 24 hours after the discovery of an unplanned contamination event as required by 10 CFR 30.50(b)(1); (3) assess dose to determine the compliance with occupational dose equivalent limits by taking suitable and timely measurements of concentrations of radioactive materials in air in the work area, quantities of radionuclides in the body, or quantities of radionuclides

excreted from the body as required by 10 CFR 20.1204(a); (4) conduct an adequate survey to ensure compliance with limits on licensed material released into sanitary sewerage, as required by 10 CFR 20.1501 and 10 CFR 20.2003(a)(2); (5) furnish dose information to an individual as required by 10 CFR 19.13(b)(1); (6) maintain records of surveys as required by 10 CFR 20.2103(a); (7) provide information to the Commission that is complete and accurate in all material respects as required by 10 CFR 30.9; (8) maintain Curium's Corrective Action Program as required by License Condition 18; (9) comply with the terms and conditions of the Certificate of Compliance (CoC) No. 9320 as required by 10 CFR 71.71(c)(2); and (10) implement Curium's standard operating procedure (SOP) for performing personal contamination surveys as required by License Condition 21.

By letter dated January 11, 2024, the NRC provided Curium with a reactive inspection report with the opportunity to: (1) request a Predecisional Enforcement Conference (PEC); or (2) request ADR.

In response to the NRC's offer, Curium requested the use of the NRC's ADR process to resolve differences it had with the NRC. On March 5–6, 2024, the NRC and Curium met in an ADR session mediated by a professional mediator, arranged through Cornell University's Institute on Conflict Resolution. The ADR process is one in which a neutral mediator, with no decision-making authority, assists the parties in reaching an agreement on resolving any differences regarding the dispute. The Confirmatory Order is issued pursuant to the agreement reached during the ADR process.

### III

During the ADR session, Curium and the NRC reached a preliminary settlement in an Agreement in Principle, which is reproduced in full below:

Pursuant to the Nuclear Regulatory Commission Office of Enforcement's Enforcement Alternative Dispute Resolution (ADR) Program, the following are the terms and conditions agreed upon in principle by Curium US LLC (Curium) and the Nuclear Regulatory Commission (NRC) relating to the apparent violations identified in the inspection report No. 03000001/2019003 (DRSS) issued by the NRC to Curium on January 11, 2024.

The NRC seeks lasting and effective corrective actions to preclude any additional contamination incidents similar to the incident that occurred at Curium's Maryland Heights, Missouri,

manufacturing facility on August 19, 2019.

Therefore, the parties agree to the following terms and conditions:

#### *I. Hot Cell Procedures*

Curium will revise its relevant Standard Operating Procedures (SOPs), including the SOP for hot cell operations, to ensure that payload internals, including the secondary container (R2 sleeve), are removed from shipping casks before the casks are removed from the hot cell except as provided in paragraph 3 of this section of the Agreement.

1. Curium will use a tool that Curium has developed to remove detached R2 sleeves from casks while they are in the hot cell.

2. In the event that a R2 sleeve becomes detached, Curium will include in the revised SOP for hot cell operations a requirement that a second person be present to observe and assist in removal of the R2 sleeve in the hot cell.

3. If Curium is unable to remove a detached R2 sleeve from a cask:

a. Curium will reseal the cask in the hot cell and place the cask in storage in Building 650;

b. The cask containing the R2 sleeve will be labeled with prominent identification that the cask contains an R2 sleeve prior to removing the cask from Building 650;

c. Once an external reading on contact of the cask is below 5 mR per hour, the cask may be removed from Building 650 and moved to Building 500;

d. Once an external reading on contact of the cask is below 3 mR per hour, the R2 sleeve may be removed provided that:

i. A Health Physics support employee is present; and

ii. Air sampling for airborne radioactivity is performed for the duration of the cleaning of the cask;

e. Each occurrence shall be documented in the Radiation Safety Corrective Action Program.

4. Within 120 days of the effective date of the Confirmatory Order (CO), Curium will submit the revised procedures to the NRC for review and comment to verify that the revised procedures meet the requirements of Section I of this Agreement.

5. Within 120 days after receiving the results of the NRC's review, Curium will implement the revised SOPs and provide initial training to all V4 technicians and their supervisors.

6. Curium will add to their procedures a requirement to provide training to all new V4 technicians and all new V4 technician supervisors on these revised SOPs.

7. For a period of 5 years after the effective date of the CO, prior implementing any subsequent revisions to these SOPs with respect to the requirements of Section I of this Agreement, Curium will submit the proposed revisions to the NRC for review to verify that the revised procedures meet Section I requirements.

#### *II. Safety Culture*

The NRC acknowledges that Curium has taken the following actions with respect to safety culture: (a) 2022 Safety Culture Assessment; (b) Curium's CEO provided a site wide safety culture statement to all employees in North America; (c) conducted initial Safety Leadership Training; and (d) developed a safety culture plan (Project VPP-Safety Culture).

1. Within 270 days of the effective date of the CO, Curium will contract with the same vendor that conducted the 2022 Safety Culture Assessment to perform a follow-up fleet wide safety culture assessment.

a. Curium will evaluate the results of the assessment, including any recommendations, and take appropriate actions.

b. Curium will make the assessment available to the NRC upon request.

2. Between 12 and 18 months after the completion of the follow-up fleet wide safety culture assessment, Curium will conduct a subsequent assessment of the fleet-wide safety culture using the same vendor.

a. Curium will evaluate the results of the assessment, including any recommendations, and take appropriate actions.

b. Curium will make the assessment available to the NRC upon request.

3. Within 180 days of the effective date of the CO, Curium will conduct Safety Leadership Training for their Executive Leadership Team (ELT) and the People Leaders in Operations, R&D, and Quality groups (hereinafter referred to as "SLT") with at least 90 percent participation for each of the ELT and of the SLT.

#### *III. Corrective Action Program for Radiation Safety*

Curium will contract with an independent external reviewer to conduct an independent assessment of the Corrective Action Program for radiation safety (CAP) governed by SOP 33–201 and prepare a report of the findings.

1. Prior to entering into a contract with the independent reviewer, Curium will provide the reviewer's name and qualifications to the NRC for review to verify independence and qualification.

2. The assessment will look backwards at least 4 years from the effective date of the CO and will evaluate, at a minimum, the following items: (a) Curium's ability to identify and enter items into the CAP; (b) Curium's ability to evaluate and prioritize issues in the CAP; and (c) Curium's ability to track and implement timely corrective actions.

3. If issues are identified in the assessment that indicate the CAP is not functioning properly, the independent reviewer will make specific recommendations in the report on how to address and correct those issues. Curium will evaluate the results of the assessment, including any recommendations, and take appropriate actions if necessary.

4. The CAP assessment and final report will be completed within one year of the effective date of the CO. Curium will make the final CAP assessment report available to the NRC upon request.

#### IV. Event Reporting

Within 180 days of the effective date of the CO, Curium will develop and implement a procedure for reporting events to the NRC.

1. The procedure will include instructions for evaluating an event to determine whether it meets NRC reportability requirements in 10 CFR part 20 and 10 CFR part 30 and for documenting the results of the evaluation. This procedure will ensure that at least two qualified individuals are involved in the evaluation. The instructions will specifically address how to evaluate whether each criterion in 10 CFR 20.2202 and 30.50 has been met.

2. Within 120 days of implementing the procedure, Curium will train all health physics personnel and any other personnel involved in making reportability determinations on the procedure.

3. Curium will train all new health physics personnel and any other new personnel involved in making reportability determinations on the procedure.

4. Curium will make the procedure available to the NRC upon request.

#### V. Training

Curium will develop and implement live training as specified below:

1. Within 180 days of the effective date of CO, Curium will insert a brief case study about the 2019 contamination event and lessons learned into the annual radiation safety training provided to all radiation workers.

2. Within 180 days of the effective date of the CO, Curium will develop an in-depth case study (e.g. 45–60 minutes) about the 2019 contamination event and lessons learned and provide that training to the Curium SLT.

3. Within 180 days of the effective date of the CO, Curium will develop an in-depth case study (e.g. 45–60 minutes) about the 2019 contamination event and lessons learned and provide that training to the Curium ELT.

4. Within 180 days of the effective date of the CO, all health physics personnel will receive training on managing contamination events and contaminated personnel. Topics for this training will include, at a minimum, the following: conducting surveys and air sampling for contamination events; maintain records of surveys; estimating extent of contamination; internal dosimetry and dose assessment, including bioassays; decontamination/treatment of contaminated persons and items; relevant licensee procedures; and relevant NRC regulations and guidance. This training will be provided on a recurring basis. All new health physics personnel will receive the training during qualification.

5. Curium will ensure that the annual radiation safety training for radiation workers will include training on what to do if the worker becomes contaminated.

6. The Health Physics department will send out periodic safety messages, at least quarterly, to the facility regarding current radiation safety topics for two years from effective date of the CO.

#### VI. Internal Dose Assessment and Updated Dose Records

Within 180 days of the effective date of the CO, Curium will contract with an independent consultant to complete an internal dose assessment for the individual who was involved in the August 19, 2019, contamination event (the "affected individual").

1. Prior to entering into a contract with an independent consultant, Curium will provide the consultant's qualifications to the NRC for review to verify independence and qualifications.

2. Curium will provide the consultant with a complete copy of Investigation Report 19–0088, including attachments, for use in conducting the assessment.

3. The independent consultant will provide Curium with a written report that includes the estimated internal dose to the affected individual and a description of the methods and assumptions used to perform the dose calculations. Curium will make the written report available to the NRC upon request.

4. Upon completion of the internal dose assessment, Curium's Radiation Safety Officer (RSO) will review the written report and decide whether the estimated dose is reasonable. The RSO will then present the results of the assessment to the Maryland Heights facility's Radiation Safety Committee (RSC).

5. The decision and endorsement will be documented in the minutes of the RSC. If the RSC or the RSO disagree with the independent dose assessment, the basis for the disagreement will be explained in the minutes of the RSC. Curium will make the minutes of the RSC available to the NRC upon request.

6. Curium will provide an updated NRC Form 5 for the affected individual as appropriate.

#### VII. Sharing Operating Experience

Within one year of the effective date of the CO, Curium will offer to make a presentation on the 2019 contamination event and management of the response to one national organization, including local chapters, whose membership comprises health physics and radiation professionals (e.g., the Health Physics Society, Society of Nuclear Medicine, or the American Nuclear Society).

1. If the presentation is accepted, Curium will inform the NRC at least a month in advance of the date and location.

2. Curium will provide the slides for the presentation to the NRC upon request.

#### VIII. Building 500 Evaluation

Within 180 days of the effective date of the CO, Curium will evaluate the Building 500 facilities at Maryland Heights, Missouri, based on the assessment that the facilities in Building 500 are not appropriate for cask cleaning activities other than wipe downs, as stated on pages 16 and 17 of Curium's Investigation of Incident No. 19–0088.

1. Curium will document the assessment and develop and implement appropriate corrective actions, if necessary, to provide sufficient radiation protection measures for the cask cleaning activities conducted in Building 500.

#### IX. Sanitary Sewage

Within 180 days of the effective date of the CO, Curium will revise the SOP for responding to a contamination event (33–141) to establish a process for assessing any discharge of radioactive material into the public sanitary sewer system to ensure compliance with regulatory requirements. The revised procedure will require that the results of

this assessment will be documented. Curium will make the revised procedure available to the NRC upon request.

#### X. Administrative

1. In exchange for the commitments and corrective actions agreed to by Curium;

a. The NRC agrees not to pursue any further enforcement action in connection with the August 19, 2019, contamination event as described in NRC's January 11, 2024, reactive inspection report to Curium US LLC.

b. The NRC agrees to exercise discretion to refrain from issuing a Notice of Violation or proposed civil penalty for any violations arising from the results of the independent internal dose evaluation that Curium has agreed to perform.

c. The NRC agrees not to issue a civil penalty for apparent violations identified in the NRC's January 11, 2024, reactive inspection report to Curium US LLC.

2. This agreement is binding upon all successors and assigns of Curium.

The NRC acknowledges that Curium has completed the following corrective actions: (1) conducting a fleet-wide safety culture assessment in 2022, (2) providing a site-wide safety culture statement from Curium's CEO to all employees in North America, (3) conducting initial "Safety Leadership Training," (4) developing a safety culture plan (Project VPP-Safety Culture), (5) updating the shallow dose assessment for the contaminated individual, and (6) informing the individual of the updated dose assessment results. Based on these completed actions, and the commitments described in Section V below, the NRC agrees not to pursue any further enforcement action in connection with the August 19, 2019, contamination event; not to issue a civil penalty for the apparent violations identified in NRC Inspection Report 03000001/2019003; and to exercise discretion to refrain from issuing a Notice of Violation or civil penalty for any violations arising from the results of the independent internal dose evaluation that Curium will perform.

On May 31, 2024, Curium consented to issuing the Confirmatory Order with the commitments as described in Section V below. Curium further agreed that this Confirmatory Order is to be effective upon issuance, that the agreement memorialized in this Confirmatory Order settles the matter between the parties, and that it has waived its right to a hearing.

#### IV

I find that Curium's completed actions, as described in Section III above, combined with the commitments as set forth in Section V are acceptable and necessary, and conclude that with these commitments the public health and safety are reasonably assured. In view of the foregoing, I have determined that public health and safety require that Curium's commitments be confirmed by this Confirmatory Order. Based on the above and Curium's consent, this Confirmatory Order is effective upon issuance.

By no later than thirty (30) days after the completion of the commitments specified in Section V, Curium is required to notify the NRC in writing and summarize its actions.

#### V

Accordingly, pursuant to Sections 81, 161b, 161i, 161o, 182, and 187 of the Atomic Energy Act of 1954, as amended, and the Commission's regulations in 10 CFR 2.202 and 10 CFR parts 30 and 35, *it is hereby ordered, effective upon issuance, that license No. 24-04206-01 is modified as follows:*

##### A. Hot Cell Procedures

1. Curium will revise its relevant Standard Operating Procedures (SOPs), including the SOP for hot cell operations, to ensure that payload internals, including the secondary container (R2 sleeve), are removed from shipping casks before the casks are removed from the hot cell, except as provided in paragraph V.A.1.c below. The revisions will address the following items:

a. A tool developed by Curium will be used to remove detached R2 sleeves from casks while they are in the hot cell.

b. In the event that a R2 sleeve becomes detached, a second person will be present to observe and assist in removal of the R2 sleeve in the hot cell.

c. If Curium is unable to remove a detached R2 sleeve from a cask in the hot cell:

i. Curium will reseal the cask in the hot cell and place the cask in storage in Building 650;

ii. The cask containing the R2 sleeve will be labeled with prominent identification that the cask contains an R2 sleeve prior to removing the cask from Building 650;

iii. Once an external reading on contact of the cask is below 5 mR per hour, the cask may be removed from Building 650 and moved to Building 500;

iv. Once an external reading on contact of the cask is below 3 mR per

hour, the R2 sleeve may be removed in Building 500 provided that a Health Physics support employee is present and air sampling for airborne radioactivity is performed for the duration of cask cleaning.

v. Each occurrence shall be documented in the Radiation Safety Corrective Action Program.

2. Within 120 days of the effective date of the Confirmatory Order (CO), Curium will submit the revised SOPs to the NRC for review and comment to verify that the revised SOPs meet the requirements of paragraph V.A.1.

3. Within 120 days after receiving the results of the NRC's review, Curium will implement the revised SOPs and provide initial training to all manufacturing technicians assigned to work V4 hot cells and their supervisors.

4. Curium will add to their procedures a requirement to provide training to all new manufacturing technicians assigned to work V4 hot cells and supervisors of these manufacturing technicians on these revised SOPs.

5. For a period of 5 years after the effective date of the CO, prior to implementing any subsequent revisions to these SOPs with respect to the requirements of paragraph V.A.1, Curium will submit the proposed revisions to the NRC for review to verify that the revisions meet the requirements of paragraph V.A.1.

##### B. Safety Culture

1. Within 270 days of the effective date of the CO, Curium will contract with the same vendor that conducted the 2022 Safety Culture Assessment, or a vendor with similar qualifications, to perform a follow-up fleet-wide safety culture assessment.

a. Curium will evaluate the results of the assessment, including any recommendations, take appropriate actions, and document any actions taken.

b. Curium will make the assessment available to the NRC upon request.

2. Between 12 and 18 months after the completion of the follow-up fleet wide safety culture assessment, Curium will conduct a subsequent assessment of the fleet-wide safety culture using the same vendor or a vendor with similar qualifications.

a. Curium will evaluate the results of the assessment, including any recommendations, take appropriate actions, and document any actions taken.

b. Curium will make the assessment available to the NRC upon request.

3. Within 180 days of the effective date of the CO, Curium will conduct the

Aubrey Daniels International “Safety Leadership Training” for their Executive Leadership Team (ELT) and the People Leaders in Operations, R&D, and Quality groups (hereinafter referred to as “SLT”) with at least 90 percent participation for each of the ELT and of the SLT.

#### C. Corrective Action Program for Radiation Safety

1. Curium will contract with an independent external reviewer to conduct an independent assessment of the Corrective Action Program (CAP) for radiation safety governed by SOP 33–201 and prepare a written report of the findings. Prior to entering into a contract with the independent reviewer, Curium will provide the reviewer’s name and qualifications to the NRC for review to verify the reviewer’s independence and qualifications.

2. The assessment will look backwards at least 4 years from the effective date of the CO and will evaluate, at a minimum, the following items: (a) Curium’s ability to identify and enter items into the CAP; (b) Curium’s ability to evaluate and prioritize issues in the CAP; and (c) Curium’s ability to track and implement timely corrective actions.

3. If issues are identified in the assessment that indicate the CAP is not functioning properly, the independent reviewer will make specific recommendations in the report on how to address and correct those issues. Curium will evaluate the results of the assessment, including any recommendations, take appropriate actions if necessary, and document any actions taken.

4. The CAP assessment and final written report will be completed within one year of the effective date of the CO. Curium will make the final written report available to the NRC upon request.

#### D. Event Reporting

1. Within 180 days of the effective date of the CO, Curium will develop and implement a procedure for reporting events to the NRC. The procedure will include instructions for evaluating an event to determine whether it meets NRC reportability requirements in 10 CFR part 20 and 10 CFR part 30 and for documenting the results of the evaluation. This procedure will ensure that at least two qualified individuals are involved in the evaluation. The instructions will specifically address how to evaluate whether each criterion in 10 CFR 20.2202 and 30.50 has been met.

2. Within 120 days of implementing the procedure, Curium will provide training on the procedure to all health physics personnel and any other personnel involved in making reportability determinations.

3. Curium will provide training on the procedure to all new health physics personnel and any other new personnel involved in making reportability determinations.

4. Curium will make the procedure available to the NRC upon request.

#### E. Training

1. Curium will develop and implement live training as specified below:

a. Within 180 days of the effective date of CO, Curium will insert a brief case study about the 2019 contamination event and lessons learned into the annual radiation safety training provided to all radiation workers.

b. Within 180 days of the effective date of the CO, Curium will develop an in-depth case study (e.g. 45–60 minutes) about the 2019 contamination event and lessons learned and provide that training to the Curium SLT.

c. Within 180 days of the effective date of the CO, Curium will develop an in-depth case study (e.g. 45–60 minutes) about the 2019 contamination event and lessons learned and provide that training to the Curium ELT.

d. Within 180 days of the effective date of the CO, all health physics personnel will receive training on managing contamination events and contaminated personnel. Topics for this training will include, at a minimum, the following: conducting surveys and air sampling for contamination events; maintain records of surveys; estimating of extent of contamination; internal dosimetry and dose assessment, including bioassays; decontamination/treatment of contaminated persons and items; relevant licensee procedures; and relevant NRC regulations and guidance. This training will be provided on a recurring basis (not less frequently than every three years). All new health physics personnel will receive the training during qualification.

2. Curium will ensure that the annual radiation safety training for radiation workers will include training on what to do if a worker becomes contaminated.

3. The Health Physics department will send out periodic safety messages, at least quarterly, to the facility regarding current radiation safety topics for two years starting on the effective date of the CO.

#### F. Internal Dose Assessment and Updated Dose Records

1. Within 180 days of the effective date of the CO, Curium will contract with an independent consultant to complete an internal dose assessment for the individual who was involved in the August 19, 2019, contamination event (the “affected individual”).

a. Prior to entering into a contract with an independent consultant, Curium will provide the consultant’s qualifications to the NRC for review to verify the consultant’s independence and qualifications.

b. Curium will provide the consultant with a complete copy of Investigation of Incident Report 19–0088, including attachments, for use in conducting the assessment.

c. The independent consultant will provide Curium with a written report that includes the estimated internal dose to the affected individual and a description of the methods and assumptions used to perform the dose calculations. Curium will make the written report available to the NRC upon request.

2. Within 90 days of completion of the internal dose assessment, Curium’s Radiation Safety Officer (RSO) will (a) review the written report and decide whether the estimated dose is reasonable, and (b) present the results of the assessment to the Maryland Heights facility’s Radiation Safety Committee (RSC).

3. The RSO’s decision and RSC’s views will be documented in the minutes of the RSC. If the RSC or the RSO disagree with the independent dose assessment, the basis for the disagreement will be explained in the minutes of the RSC. Curium will make the minutes of the RSC available to the NRC upon request.

4. Curium will provide an updated NRC Form 5 for the affected individual as appropriate.

#### G. Sharing Operating Experience

1. Within one year of the effective date of the CO, Curium will offer to make a presentation on the 2019 contamination event and management of the response to one national organization, including local chapters, whose membership comprises health physics and radiation professionals (e.g., the Health Physics Society, Society of Nuclear Medicine, or the American Nuclear Society). If the presentation is accepted, Curium will designate an appropriate person to make the presentation. Curium will inform the NRC at least a month in advance of the date and location.

2. Curium will provide the slides for the presentation to the NRC upon request.

#### H. Building 500 Evaluation

1. Within 180 days of the effective date of the CO, Curium will evaluate the Building 500 facilities at its Maryland Heights, Missouri, location based on Curium's assessment that the facilities in Building 500 are not appropriate for cask cleaning activities other than wipe downs, as stated on pages 16 and 17 of Curium's Investigation of Incident Report No. 19-0088.

2. Curium will document the evaluation and develop and implement appropriate corrective actions, if necessary, to provide sufficient radiation protection measures for the cask cleaning activities conducted in Building 500.

#### I. Sanitary Sewage

1. Within 180 days of the effective date of the CO, Curium will revise SOP 33-141 (the procedure for responding to a contamination event) to establish a process for assessing any discharge of radioactive material into the public sanitary sewer system to ensure compliance with regulatory requirements. The revised procedure will require that the results of this assessment will be documented.

2. Curium will make the revised procedure available to the NRC upon request.

This agreement is binding upon successors and assigns of Curium US LLC. The Regional Administrator, Region III may, in writing, relax or rescind any of the above conditions upon demonstration of good cause by Curium or its successors.

## VI

In accordance with 10 CFR 2.202 and 10 CFR 2.309, any person adversely affected by this Confirmatory Order, other than Curium, may request a hearing within thirty (30) calendar days of the date of issuance of this Confirmatory Order. Where good cause is shown, consideration will be given to extending the time to request a hearing. A request for extension of time must be made in writing to the Director, Office of Enforcement, U.S. Nuclear Regulatory Commission, Washington, DC 20555, and include a statement of good cause for the extension.

All documents filed in NRC adjudicatory proceedings, including a request for hearing, a petition for leave to intervene, any motion or other document filed in the proceeding prior to the submission of a request for hearing or petition to intervene

(hereinafter "petition"), and documents filed by interested governmental entities participating under 10 CFR 2.315(c), must be filed in accordance with the NRC's E-Filing rule (72 FR 49139; August 28, 2007, as amended at 77 FR 46562, August 3, 2012). The E-Filing process requires participants to submit and serve all adjudicatory documents over the internet, or in some cases to mail copies on electronic storage media. Participants may not submit paper copies of their filings unless they seek an exemption in accordance with the procedures described below.

To comply with the procedural requirements of E-Filing, at least 10 days prior to the filing deadline, the participant should contact the Office of the Secretary by email at [hearing.docket@nrc.gov](mailto:hearing.docket@nrc.gov), or by telephone at 301-415-1677, to (1) request a digital identification (ID) certificate, which allows the participant (or its counsel or representative) to digitally sign submissions and access the E-Filing system for any proceeding in which it is participating; and (2) advise the Secretary that the participant will be submitting a petition or other adjudicatory document (even in instances in which the participant, or its counsel or representative, already holds an NRC-issued digital ID certificate). Based upon this information, the Secretary will establish an electronic docket for the hearing in this proceeding if the Secretary has not already established an electronic docket.

Information about applying for a digital ID certificate is available on the NRC's public website at <http://www.nrc.gov/site-help/e-submittals/getting-started.html>. Once a participant has obtained a digital ID certificate and a docket has been created, the participant can then submit adjudicatory documents. Submissions must be in Portable Document Format (PDF). Additional guidance on PDF submissions is available on the NRC's public website at <http://www.nrc.gov/site-help/electronic-sub-ref-mat.html>. A filing is considered complete at the time the document is submitted through the NRC's E-Filing system. To be timely, an electronic filing must be submitted to the E-Filing system no later than 11:59 p.m. Eastern Time on the due date. Upon receipt of a transmission, the E-Filing system time-stamps the document and sends the submitter an email notice confirming receipt of the document. The E-Filing system also distributes an email notice that provides access to the document to the NRC's Office of the General Counsel and any others who have advised the Office of the Secretary that they wish to participate in the

proceeding, so that the filer need not serve the document on those participants separately. Therefore, applicants and other participants (or their counsel or representative) must apply for and receive a digital ID certificate before adjudicatory documents are filed so that they can obtain access to the documents via the E-Filing system.

A person filing electronically using the NRC's adjudicatory E-Filing system may seek assistance by contacting the NRC's Electronic Filing Help Desk through the "Contact Us" link located on the NRC's public website at <http://www.nrc.gov/site-help/e-submittals.html>, by email to [MSHD.Resource@nrc.gov](mailto:MSHD.Resource@nrc.gov), or by a toll-free call at 1-866-672-7640. The NRC Electronic Filing Help Desk is available between 9 a.m. and 6 p.m., Eastern Time, Monday through Friday, excluding government holidays.

Participants who believe that they have a good cause for not submitting documents electronically must file an exemption request, in accordance with 10 CFR 2.302(g), with their initial paper filing requesting authorization to continue to submit documents in paper format. Such filings must be submitted by: (1) first class mail addressed to the Office of the Secretary of the Commission, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, Attention: Rulemaking and Adjudications Staff; or (2) courier, express mail, or expedited delivery service to the Office of the Secretary, Sixteenth Floor, One White Flint North, 11555 Rockville Pike, Rockville, Maryland 20852, Attention: Rulemaking and Adjudications Staff. Participants filing a document in this manner are responsible for serving the document on all other participants. Filing is considered complete by first-class mail as of the time of deposit in the mail, or by courier, express mail, or expedited delivery service upon depositing the document with the provider of the service. A presiding officer, having granted an exemption request from using E-Filing, may require a participant or party to use E-Filing if the presiding officer subsequently determines that the reason for granting the exemption from use of E-Filing no longer exists.

Documents submitted in adjudicatory proceedings will appear in NRC's electronic hearing docket, which is available to the public at <http://adams.nrc.gov/ehd>, unless excluded pursuant to an order of the Commission or the presiding officer. Participants are requested not to include personal privacy information, such as social security numbers, home addresses, or

home phone numbers in their filings, unless an NRC regulation or other law requires submission of such information. With respect to copyrighted works, except for limited excerpts that serve the purpose of the adjudicatory filings and would constitute a Fair Use application, participants are requested not to include copyrighted materials in their submission.

The Commission will issue a notice or order granting or denying a hearing request or intervention petition, designating the issues for any hearing that will be held and designating the Presiding Officer. A notice granting a hearing will be published in the **Federal Register** and served on the parties to the hearing.

If a person (other than Curium) requests a hearing, that person shall set forth with particularity the manner in which his interest is adversely affected by this Confirmatory Order and shall address the criteria set forth in 10 CFR 2.309(d) and (f).

If a hearing is requested by a person whose interest is adversely affected, the Commission will issue an order designating the time and place of any hearings. If a hearing is held, the issue to be considered at such hearing shall be whether this Confirmatory Order should be sustained.

In the absence of any request for hearing, or written approval of an extension of time in which to request a hearing, the provisions specified in Section V above shall be final 30 days from the date of this Confirmatory Order without further order or proceedings. If an extension of time for requesting a hearing has been approved, the provisions specified in Section V shall be final when the extension expires if a hearing request has not been received.

For the Nuclear Regulatory Commission.  
/RA/

John B. Giessner,  
Regional Administrator, NRC Region III.

Dated this 13th day of June 2024.

[FR Doc. 2024-13977 Filed 6-25-24; 8:45 am]

BILLING CODE 7590-01-P

## RAILROAD RETIREMENT BOARD

### Agency Forms Submitted for OMB Review, Request for Comments

In accordance with the Paperwork Reduction Act of 1995 (44 U.S.C. chapter 35), the Railroad Retirement Board (RRB) is forwarding an Information Collection Request (ICR) to the Office of Information and Regulatory Affairs (OIRA), Office of Management

and Budget (OMB). Our ICR describes the information we seek to collect from the public. Review and approval by OIRA ensures that we impose appropriate paperwork burdens.

The RRB invites comments on the proposed collections of information to determine (1) the practical utility of the collections; (2) the accuracy of the estimated burden of the collections; (3) ways to enhance the quality, utility, and clarity of the information that is the subject of collection; and (4) ways to minimize the burden of collections on respondents, including the use of automated collection techniques or other forms of information technology. Comments to the RRB or OIRA must contain the OMB control number of the ICR. For proper consideration of your comments, it is best if the RRB and OIRA receive them within 30 days of the publication date.

1. *Title and purpose of information collection:* Application for Employee Annuity Under the Railroad Retirement Act; OMB 3220-0002.

Section 2(a) of the Railroad Retirement Act (RRA) (45 U.S.C. 231a) provides for payments of age and service, disability, and supplemental annuities to qualified employees. An annuity cannot be paid until the employee stops working for a railroad employer. In addition, the age and service employee must relinquish any rights held to such jobs. A disabled employee does not need to relinquish employee rights until attaining Full Retirement Age, or if earlier, when their spouse is awarded a spouse annuity. Benefits become payable after the employee meets certain other requirements, which depend on the type of annuity payable. The requirements for obtaining the annuities are prescribed in 20 CFR 216 and 220.

To collect the information needed to help determine an applicant's entitlement to, and the amount of, an employee retirement annuity the RRB uses Forms AA-1, *Application for Employee Annuity*; AA-1d, *Application for Determination of Employee Disability*; G-204, *Verification of Workers Compensation/Public Disability Benefit Information*, and electronic Forms AA-1cert, *Application Summary and Certification*, and AA-1sum, *Application Summary*.

The AA-1 application process obtains information from an applicant about their marital history, work history, military service, benefits from other governmental agencies, railroad pensions and Medicare entitlement for either an age and service or disability annuity. An RRB representative interviews the applicant either at a field

office, an itinerant point, or by telephone. During the interview, the RRB representative enters the information obtained into an on-line information system. Upon completion of the interview, the on-line information system generates Form AA-1cert, *Application Summary and Certification*, or Form AA-1sum, *Application Summary*, a summary of the information that was provided for the applicant to review and approve. Form AA-1cert documents approval using the traditional pen and ink "wet" signature, and Form AA-1sum documents approval using the alternative signature method called Attestation. When the RRB representative is unable to contact the applicant in person or by telephone, for example, the applicant lives in another country, a manual version of Form AA-1 is used.

Form AA-1d, *Application for Determination of Employee's Disability*, is completed by an employee who is filing for a disability annuity under the RRA, or a disability freeze under the Social Security Act, for early Medicare based on a disability. Form G-204, *Verification of Worker's Compensation/Public Disability Benefit Information*, is used to obtain and verify information concerning a worker's compensation or a public disability benefit that is or will be paid by a public agency to a disabled railroad employee.

One response is requested of each respondent. Completion of the forms is required to obtain/retain a benefit.

*Previous Requests for Comments:* The RRB has already published the initial 60-day notice (89 FR 29375 on April 22, 2024) required by 44 U.S.C. 3506(c)(2). That request elicited no comments.

### Information Collection Request (ICR)

*Title:* Application for Employee Annuity Under the Railroad Retirement Act.

*OMB Control Number:* 3220-0002.  
*Form(s) submitted:* AA-1, AA-1cert, AA-1d, AA-1sum and G-204.

*Type of request:* Revision of a currently approved collection.

*Affected public:* Individuals or Households.

*Abstract:* The Railroad Retirement Act provides for payment of age, disability and supplemental annuities to qualified employees. The application and related forms obtain information about the applicant's family work history, military service, disability benefits from other government agencies and public or private pensions. The information is used to determine entitlement to and the amount of the annuity applied for.

*Changes proposed:* The RRB proposes no changes to Form AA-1, Form AA-1