

Supplement to Fuel Cycle Program Integrated Schedule

March 15, 2021

This supplement provides a public version of the purpose, brief overview, and background documentation available for the regulatory activities being tracked on the Fuel Cycle Cumulative Effects of Regulation Integrated Schedule. Links to the background documents have been included where possible.

Table of Contents

RULEMAKINGS	2
Part 61: Low-Level Radioactive Waste Disposal	2
Part 73: Discontinuation of Rulemaking - Enhanced Security of SNM	3
Part 73 - Enhanced Weapons, Firearms Background Checks, and Security Event Notifications	4
Part 73: Proposed Rule - Cybersecurity at Fuel Cycle Facilities (RIN 3150-AJ64; NRC-2015-0179)	6
Decommissioning Financial Assurance for Sealed and Unsealed Radioactive Material (PRM-30-66; NRC-2017-0159)	8
Advance Notice of Proposed Rulemaking - Alternatives to the Use of Credit Ratings (RIN 3150-AJ92)	9
Categorical Exclusions from Environmental Review	10
Rulemaking Plan - Transforming the NRC Environmental Review Process	11
Path Forward and Recommendations for Certain Low-Level Radioactive Waste Disposal Rulemakings	12
Proposed Rule: Harmonization of Transportation Safety Requirements with International Atomic Energy Agency Standards (RIN 3150-AJ85; NRC-2016-0179) - Part 71	13
OTHER ACTIVITIES	14
ANS 57.11 - Integrated Safety Assessment Standard	14
Regulatory Information Conference	15
Development of a Smarter Fuel Cycle Licensing Program	16
Smarter Fuel Cycle Inspection Program	18
NUREG-2159 Revision – Material Control & Accounting Guidance for Special Nuclear Material of Moderate Strategic Significance	20
Low Safety Significance Issues (LSSI)	21

RULEMAKINGS

Part 61: Low-Level Radioactive Waste Disposal	
Key Contact	George Tartal (301-415-0016)
Purpose	Rulemaking for a site-specific analysis or performance assessment for the disposal of depleted uranium and other long-lived isotopes in a near-surface disposal facility.
Key Information	<ul style="list-style-type: none">• In SECY-20-0098, the NRC staff recommended to the Commission that this rulemaking and the rulemaking to promulgate requirements for the near-surface disposal of greater-than-Class C (GTCC) waste (GTCC waste rulemaking) be consolidated and integrated into one proposed rule as these two rulemaking efforts would both amend 10 CFR Part 61 and have related proposed requirements. The recommendation to consolidate is based on based on expected cost savings, consideration of stakeholder input, and efficiencies.
Related Documents	<ul style="list-style-type: none">• SECY-20-0098 (ML20143A165)• See “Path Forward and Recommendations for Certain Low-Level Radioactive Waste Disposal Rulemakings” below
Meeting Information	<ul style="list-style-type: none">• None scheduled.

Part 73: Discontinuation of Rulemaking - Enhanced Security of SNM	
Key Contact	Irene Wu (301-415-1951) and Tim Harris (301-287-3594).
Purpose	Codify the post 9/11 security orders within Title 10 of the <i>Code of Federal Regulations</i> (10 CFR) Part 73 that govern the security for special nuclear material at fixed sites.
Key Information	<ul style="list-style-type: none"> • Make generically applicable security requirements similar to those imposed by security orders issued following the terrorist attacks of September 11, 2001. • Improve consistency and clarity. • Use a risk-informed and performance-based structure. • In April 2016, the Commission directed the NRC staff to suspend efforts on the Enhanced Security of SNM rulemaking. In August 2018, the Commission directed the staff to resume rulemaking with the exclusive scope of codifying the post 9/11 security orders. • The NRC published the draft regulatory basis on March 1, 2019, for public comment with a closing date of April 19, 2019. • Twelve comments were received from the public on the draft regulatory basis. • Staff provided recommendations to discontinue the rulemaking to the Commission in SECY-19-0095 (released to the public on October 17, 2019).
Related Documents	<ul style="list-style-type: none"> • "Security-Related Rulemaking to Update 10 CFR Parts 73 and 26" http://www.nrc.gov/security/domestic/phys-protect/reg-initiatives/10cfr73.html. • SRM-SECY-09-0123 – "Material Categorization and Future Fuel Cycle Facility Security-Related Rulemaking," dated July 8, 2010 (ML101890711). • SRM-COMSECY-05-0058 – "Schedule and Resources for Security Rulemakings," dated November 16, 2005. • Part 73: Final Regulatory Basis (ML14321A007). The notice was published on April 22, 2015. • Scope reduced to codifying post-9/11 security orders (see SRM-COMKLS-18-003). • Drafted Revised Regulatory Basis was published in the <i>Federal Register</i> (84 FR 6980) on March 1, 2019 for public comment. Comment period closed April 19, 2019. • SECY-19-0095 – "Discontinuation of Rulemaking - Enhanced Security of Special Nuclear Material," released to the public on Oct 17, 2019.
Meeting Information	<ul style="list-style-type: none"> • None scheduled.

Part 73 - Enhanced Weapons, Firearms Background Checks, and Security Event Notifications

Key Contact	Martha Barillas (301-415-2760), Phil Brockman (301-287-3691), and Kevin Ramsey (301-415-7506).
Purpose	This rulemaking will: (1) implement NRC's authority under the new section 161A of the Atomic Energy Act of 1954 (AEA), as amended, for access to enhanced weapons and associated firearms background checks; (2) modify physical security event notifications; add requirements for reporting suspicious activities at power reactor facilities, reactor Independent Spent Fuel Storage Installations, and Category I strategic special nuclear materials facilities.
Key Information	<ul style="list-style-type: none"> • These proposed regulations are consistent with the provisions of the Firearms Guidelines the NRC published under section 161A with the approval of the U.S. Attorney General on June 25, 2014 (79 FR 36100). • The final rule was sent to the Commission in May 2018. • On May 30, 2019, the staff conducted a public meeting to discuss the proposed draft final rule text with the public and stakeholders (ML19140A097). • On February 4, 2020, the staff sent a supplemental Commission paper to the Commission that revises the draft final rule and supporting documents (ML16264A000).
Related Documents	<ul style="list-style-type: none"> • Proposed rule in the <i>Federal Register</i> (71 FR 62664), to implement the Firearms Guidelines as part of the larger proposed power reactor security rule. • SRM-SECY-10-0085, "Proposed Rule: Enhanced Weapons, Firearms Background Checks and Security Event Notifications (RIN: 3150-AI49)," dated October 19, 2010 (ML102920342). • The NRC published the proposed enhanced weapons rule in the <i>Federal Register</i> (76 FR 6200) for public comment on February 3, 2011. • The NRC published the first supplemental proposed rule (78 FR 2214) to add at reactor independent spent fuel storage installation facilities as a class of designated facilities under Title 10 of the <i>Code of Federal Regulations</i> (10 CFR) 73.18(c), that would be eligible to apply for Section 161A authority. • SRM SECY-12-0125, dated November 21, 2012 (ML12326A653), the Commission directed the NRC staff to revise the Firearms Guidelines accordingly and to publish a supplemental proposed enhanced weapons rule for public comment. • On June 25, 2014, the NRC published the revised Firearms Guidelines in the <i>Federal Register</i> (79 FR 36100). • On September 22, 2015, the NRC published a second supplemental proposed rule (80 FR 57106), to conform the rulemaking with the 2014 Firearms Guidelines, which is in accordance with the Commission's direction in SRM-SECY-12-0125. • On May 22, 2018, the draft final rule, <i>Federal Register</i> Notice (FRN), Environmental Assessment, and a history of the rulemaking (SECY-18-0058) were sent to the Commission (ML16264A000). • NEI (Bill Pitesa) August 22, 2018, comments on the rulemaking (ML18236A763). • NEI letter, "Enhanced Weapons Rulemaking," dated May 8, 2010 (ML20132A234). • NRC response to NEI letter, "Enhanced Weapons Rulemaking," dated July 10, 2020 (ML20154K720).

Meeting
Information

- None scheduled.

Part 73: Proposed Rule - Cybersecurity at Fuel Cycle Facilities (RIN 3150-AJ64; NRC-2015-0179)

Key Contact	Irene Wu (301-415-1951) and James Downs (301-415-7744).
Purpose	The Commission directed the U.S. Nuclear Regulatory Commission (NRC) staff to proceed with a proposed rulemaking to implement cyber security into Part 73 for certain fuel cycle facilities. The Commission directed the rulemaking to be a high priority, expedited rulemaking that uses a graded, consequence based regulatory approach and is informed by industry’s voluntary efforts.
Key Information	<ul style="list-style-type: none"> • The NRC staff published SECY-14-0147, “Cyber Security for Fuel Cycle Facilities,” in December 2014, which proposed three options to implement cyber security. These options included orders, rulemaking, or continuation of voluntary initiatives. • The Commission provided SRM-SECY-14-0147, “Staff Requirements – SECY-14-0147 – Cyber Security for Fuel Cycle Facilities” in March 2015, which directed the NRC staff to proceed with rulemaking. • The NRC published the Regulatory Basis and Comment Resolution document for the cyber security proposed rulemaking on March 3, 2016 (ML15355A461). • The NRC staff provided draft proposed rule language (ML16131A115) for discussion at a public meeting on May 19, 2016. • The NRC staff provided Revised Preliminary Draft Proposed Rule Language and Related Draft Regulatory Guide (ML16221A078) for discussion at a public meeting on August 25, 2016. • The NRC developed updated versions of the Revised Preliminary Draft Proposed Rule Language and Related Draft Regulatory Guide (ML16273A130) to address stakeholder comments. These updates were made publicly available to support a presentation to the Advisory Committee on Reactor Safeguards (ACRS) sub-committee on November 2, 2016. • An update to the Draft Regulatory Guide (ML17031A018) was made publicly available to support a presentation to the ACRS sub-committee on February 23, 2017. • The draft proposed rule package due date to the Commission was extended to September 30, 2017. This is to accommodate the Committee to Review Generic Requirements (CRGR) review. • The staff briefed the full ACRS committee on June 8, 2017 on the draft proposed rule package (ML17145A325). • The Cyber Security Rulemaking Working Group briefed the Committee to Review Generic Requirements (CRGR) on June 27 and July 12, 2017. The CRGR endorsed the Proposed Rule and Draft Regulatory Guide with comments via letter dated August 2, 2017 (ML17200A101). • The proposed rule package was provided to the Office of the Executive Director for Operations (OEDO) on September 7, 2017. • The proposed rule package was submitted to the Commission on October 4, 2017, as SECY-17-0099 (ML17018A218). The proposed rule package consists of the Commission paper, <i>Federal Register</i> notice (FRN), Draft Regulatory Analysis, Draft Backfit Analysis, and Draft Environmental Assessment. • The staff is awaiting Commission direction which is anticipated to follow related rulemaking applicable to reactors.

<p>Related Documents</p>	<ul style="list-style-type: none"> • June 2012 – SECY-12-0088, “Cyber Security Roadmap” (ML12135A050). • December 2014 – SECY-14-0147, "Cyber Security for Fuel Cycle Facilities" (Non-public). • March 2015 – SRM-SECY-14-0147, “Staff Requirements - SECY-14-0147 - Cyber Security for Fuel Cycle Facilities” (ML15083A175). • Commissioner Baran's Vote on SECY-14-0147 - Cyber Security for Fuel Cycle Facilities (ML15118A921). • Commissioner Ostendorff's Vote on SECY-14-0147 - Cyber Security for Fuel Cycle Facilities (ML15132A632). • August 27, 2015 – “Draft Regulatory Basis - Cyber Security at Fuel Cycle Facilities” (ML15198A019). • September 4, 2015 – “<i>Federal Register</i> Notice for Draft Regulatory Basis for Cyber Security at Fuel Cycle Facilities [Package]” (ML15198A024). • "Documents to Support December 10, 2015, Public Meeting on Cyber Security for Fuel Cycle Facilities [Package]” (ML15344A296). • February 18, 2016, “Summary of Public Meeting to Discuss Fuel Cycle Cyber Security Proposed Rule Concepts” (ML16054A160). • March 17, 2016, “Public Meeting Summary Regarding [Concepts for the] Proposed Cyber Security Rulemaking at Fuel Cycle Facilities” (ML16092A124). • Draft proposed rule text to support the May 19, 2016, public meeting (ML16131A115). • Revised Preliminary Draft Proposed Rule Language and Related Draft Regulatory Guide (ML16221A078) to support the August 25, 2016 Public Meeting. • Updated Preliminary Draft Proposed Rule Language and Related Draft Regulatory Guide (ML16273A130) to support the November 2, 2016, ACRS sub-committee briefing. • Updated Draft Regulatory Guide (ML17031A018) to support February 23, 2017, ACRS sub-committee briefing. • The NRC staff prepared a draft regulatory guide, “Cyber Security Programs for Nuclear Fuel Cycle Facilities,” (DG-5062) (ML17145A340). • SECY-17-0099, submitted October 4, 2017, contains the Commission Paper, <i>Federal Register</i> notice (FRN), Draft Regulatory Analysis, Draft Backfit Analysis, and Draft Environmental Assessment (ML17018A218).
<p>Meeting Information</p>	<ul style="list-style-type: none"> • None scheduled. Additional public meetings will be conducted, as needed.

Decommissioning Financial Assurance for Sealed and Unsealed Radioactive Material (PRM-30-66; NRC-2017-0159)

Key Contact	Torre Taylor (301-415-7900) and Cardelia Maupin (301-415-4127)
Purpose	Amend NRC regulations to add radionuclides and corresponding possession values not currently listed in 10 CFR Part 30 Appendix B for calculating a licensee's decommissioning funding requirement to possess a radionuclide with a half-life greater than 120 days. It would also apply a uniform and more risk-informed method for setting possession values for all radionuclides listed in Appendix B. The rulemaking will apply to all entities, including those in Agreement States, licensed to possess sealed or unsealed byproduct or special nuclear material with a half-life greater than 120 days.
Key Information	<ul style="list-style-type: none"> • The rulemaking was approved by the Commission in Staff Requirements Memorandum, dated 10/13/2020 • The Commission approved initiation of rulemaking to provide specific possession values for radionuclides that are not currently listed in Appendix B to Title 10, Code of Federal Regulations (CFR) Part 30, "Rules of General Applicability to Domestic Licensing of Byproduct Material" • This rulemaking is now under NRC Docket ID NRC-2017-0031, entitled "Decommissioning Financial Assurance for Sealed and Unsealed Radioactive Material" • The working group for development of the regulatory basis has been formed. <ul style="list-style-type: none"> ○ Representatives from the Regions, HQ (financial assurance, risk and technical analysis, medical and industrial areas), and OAS • Current schedule <ul style="list-style-type: none"> ○ Draft rule to Commission <ul style="list-style-type: none"> ▪ February 2023 ○ Draft final rule to Commission <ul style="list-style-type: none"> ▪ May 2024
Related Documents	<ul style="list-style-type: none"> • SECY-19-0125 (ML18292A434) • SRM-SECY-19-0125 (ML20287A249) • Summary of January 7, 2021, public meeting (ML21028A786) • Transcript of January 7, 2021, public meeting (ML21026A343) • January 7, 2021, public meeting staff presentation (ML21005A004)
Meeting Information	<ul style="list-style-type: none"> • None scheduled

Advance Notice of Proposed Rulemaking - Alternatives to the Use of Credit Ratings (RIN 3150-AJ92)

Key Contact	G. Trussell (301-415-6445)
Purpose	Amend NRC regulations to remove any use or reference to bond rating, as mandated by the Dodd-Frank Act of 2010. The rule would develop alternate criteria, if any, to replace bond rating criteria. The purpose is to ensure financial tests are sufficient when evaluating decommissioning financial assurance. The scope of this rulemaking would affect all NRC's regulations referring to bond rating. The rulemaking was formerly titled "Dodd-Frank Act of 2010."
Key Information	<ul style="list-style-type: none"> • Advance notice of proposed rulemaking <i>Federal Register</i> notice published December 21, 2020 <ul style="list-style-type: none"> ○ Comment period ended March 8, 2021 ○ Staff is currently reviewing the comments for consideration in developing the proposed rule
Related Documents	<ul style="list-style-type: none"> • SECY-16-0009 (ML16028A189) • SRM-SECY-16-0009 (ML16104A158) • October 30, 2019, Public Meeting Notice (ML19276F107) • Summary of October 30, 2019, Public Meeting (ML19322A692) • SECY-20-0056 (ML20097C507) • Advance Notice of Proposed Rulemaking - 85 FR 82950 (ML20097C510) • Summary of February 8, 2021, Public Meeting (ML21042B831)
Meeting Information	<ul style="list-style-type: none"> • Public meeting conducted on February 8, 2021 (see summary above) • None scheduled

Categorical Exclusions from Environmental Review

Key Contact	G. Trussell (301-415-6445) and N. Martínez (630-829-9734)
Purpose	Amend the NRC's regulations to eliminate the unnecessary preparation of environmental assessments (EAs), when no significant environmental impacts are expected. This rule would directly impact the NRC and indirectly impact its licensees.
Key Information	<ul style="list-style-type: none">• The staff is developing an advance notice of proposed rulemaking.
Related Documents	<ul style="list-style-type: none">• SECY-20-0065: Rulemaking Plan (ML20021A160)• SRM-SECY-20-0065 (ML20336A009)
Meeting Information	<ul style="list-style-type: none">• None scheduled

Rulemaking Plan - Transforming the NRC Environmental Review Process

Key Contact	Yanelly Malavé (301-415-1519)
Purpose	Revise the NRC's regulations regarding the reviews under the National Environmental Policy Act. It would streamline the NRC's environmental review process, assist the Commission and staff, as appropriate, in focusing on the relevant environmental issues in their decision-making, and reduce the burden on applicants, licensees, and the NRC.
Key Information	<ul style="list-style-type: none">• SECY Paper to Commission - December 31, 2020 - Awaiting Commission direction
Related Documents	<ul style="list-style-type: none">• SECY-21-0001 (ML20212L393)• SECY-21-0001 - Enclosure 1 - NRC Environmental Guidance (ML20212L403)
Meeting Information	<ul style="list-style-type: none">• None scheduled

Path Forward and Recommendations for Certain Low-Level Radioactive Waste Disposal Rulemakings

Key Contact	Irene Wu (301-415-1951) and George Tartal (301-415-0016)
Purpose	The NRC is currently implementing two Commission-directed rulemaking activities, which are in different stages: (1) the 10 CFR Part 61 low level radioactive waste disposal rule, and (2) development of a regulatory basis for the disposal of Greater-Than-Class-C (GTCC) waste rule. As these two rulemaking efforts would both amend 10 CFR Part 61 and have related proposed requirements, the NRC staff recommended to the Commission that they be consolidated and integrated into one proposed rule based on expected cost savings, consideration of stakeholder input, and efficiencies.
Key Information	<ul style="list-style-type: none"> • The NRC published the proposed 10 CFR Part 61 rule in the <i>Federal Register</i> on March 26, 2015 (80 FR 16081). • The Commission directed the staff to make certain substantive revisions to the draft final rule and to publish it as a supplemental proposed rule. • A draft regulatory basis for the disposal of GTCC waste was issued in the <i>Federal Register</i> on July 22, 2019 (84 FR 35037). • The rulemaking plan to consolidate and integrate the 10 CFR Part 61 and GTCC waste rulemakings was sent to the Commission on October 21, 2020 via SECY-20-0098. • The staff is awaiting Commission direction on the rulemaking plan. • If approved by the Commission, the staff would submit the re-proposed rule to the Commission within 14 months from the receipt of the SRM and submit the final rule to the Commission within 12 months of the close of the comment period for the re-proposed rule.
Related Documents	<ul style="list-style-type: none"> • SECY-20-0098 (ML20143A165) • SECY-20-0098 - Enclosure 1 - Differing Views on Agreement State Regulation of GTCC Waste (ML20143A166)
Meeting Information	<ul style="list-style-type: none"> • None scheduled

Proposed Rule: Harmonization of Transportation Safety Requirements with International Atomic Energy Agency Standards (RIN 3150-AJ85; NRC-2016-0179) - Part 71

Key Contact	James Firth (301-415-6628)
Purpose	Amend the NRC regulations regarding the packaging and transportation of radioactive material to make them compatible with those of the International Atomic Energy Agency. The rule would harmonize domestic regulations for Type B and fissile radioactive material transportation packaging with the 2012 and 2018 Editions of the IAEA Safety Standards Regulations for the Safe Transport of Radioactive Material. This rulemaking would address knowledge gained in scientific and technical advances and affect the package design requirements and transportation of radioactive material.
Key Information	<ul style="list-style-type: none"> • On October 30, 2020, the proposed rule was provided to the Commission with SECY-20-0102, "Proposed Rule: Harmonization of Transportation Safety Requirements with International Atomic Energy Agency Standards (RIN 3150-AJ85; NRC-2016-0179)" (ML20101F914) • <i>Federal Register</i> Notice (81 FR 83171) published November 21, 2016 • <i>Federal Register</i> Notice (84 FR 14898) published April 12, 2019
Related Documents	<ul style="list-style-type: none"> • SECY-16-0093 (ML16158A164) • SRM-SECY-16-0093 (ML16235A182) • Draft Regulatory Basis (ML18262A185) • SECY-20-0102 (ML20101F921) • SECY-20-0102 - Enclosure 1: <i>Federal Register</i> Notice (ML20237F546) • SECY-20-0102 - Enclosure 2: Regulatory Analysis (ML20101F922) • SECY-20-0102 - Enclosure 3: Environmental Assessment (ML20101F917)
Meeting Information	<ul style="list-style-type: none"> • None scheduled

OTHER ACTIVITIES

ANS 57.11 - Integrated Safety Assessment Standard	
Key Contact	April Smith (301-415-6547).
Purpose	American Nuclear Society (ANS) is developing an integrated safety assessment (ISA) standard that would provide guidelines for licensees to perform an ISA.
Key Information	<ul style="list-style-type: none">• The Nonreactor Nuclear Facilities Consensus Committee has selected a new working group chair.• A proposed path forward by the ANS working group is to issue the standard for trial use only.• The timeline for ANS is controlled by ANS consensus standards process.
Related Documents	<ul style="list-style-type: none">• www2.ans.org (search ANS 57.11) (http://www2.ans.org/standards/committees/nfsc/calendar/files/ans-57-11pins(2)-fornfscapproval.doc).
Meeting Information	<ul style="list-style-type: none">• None scheduled.

Regulatory Information Conference	
Key Contact	Haile Lindsay (301-415-0616).
Purpose	The Regulatory Information Conference (RIC) is a forum that promotes open dialogue to learn valuable information about NRC activities related to the regulation of nuclear power plants, other nuclear facilities, and nuclear safety research. In addition, the RIC offers an environment to interact with nuclear industry leaders and share ideas, perspectives, and experiences on matters related to nuclear safety and regulation.
Key Information	<ul style="list-style-type: none"> • The RIC is held annually. • March 2021 RIC: <ul style="list-style-type: none"> - DFM had one session within this virtual RIC. - The session focused on ATF and advanced reactor fuels - The session hosted almost 700 participants.
Related Documents	<ul style="list-style-type: none"> • Link to the NRC public website on the RIC: https://www.nrc.gov/public-involve/conference-symposia/ric/.
Meeting Information	<ul style="list-style-type: none"> • The 34th Annual RIC is scheduled for March 8-10, 2022.

Development of a Smarter Fuel Cycle Licensing Program	
Key Contact	Donnie Harrison (301-415-2470) and Matthew Bartlett (301-415-7154).
Purpose	Improve the effectiveness and efficiency of the fuel licensing program to be consistent with the NMSS Office Director, DFM division management memoranda, Smarter Licensing Action Plan, and other agency improvement activities (e.g., Risk-informed 2 Decision-Making (RIDM)).
Key Information	<ul style="list-style-type: none"> • On March 13, 2019, the staff introduced the initiative at the NRC Regulatory Information Conference. • The staff created a working group to lead and execute this effort. • Starting on April 26, 2019, the NRC staff issued a charter for building a smarter fuel cycle licensing program, and directed the established Working Group, to seek and evaluate input from stakeholders (ML19115A011). • On April 30, 2020, the NRC staff issued a report that included recommendations for addressing the collected suggestions from both internal and external stakeholders (ML20099F354). • The working group also issued the public action plan in July 2020 (ML20184A267). • The NRC staff is working to incorporate the near-term recommendations into the new DFM Division Instructions that also merges the guidance for the fuel cycle and spent fuel programs. The final DIs will be made publicly available once they are approved, which is planned for mid 2021.

<p>Related Documents</p>	<ul style="list-style-type: none"> • NRC presentation dated April 2, 2019, presented at Cumulative Effects of Regulation public meeting (ML19091A051). • NRC meeting summary for April 2, 2019 public meeting (ML19106A349). • Nuclear Energy Institute letter dated April 12, 2019 (ML19114A288). • URENCO USA letter dated April 24, 2019 (ML19115A349). • NRC charter for a smarter licensing program working group dated April 26, 2019 (ML19115A011). • NRC public meeting presentation dated May 21, 2019 (ML19135A614). • NRC meeting summary for May 21, 2019, public meeting (ML19163A267). • NRC public meeting presentation dated August 8, 2019 (ML19199A479). • NRC meeting summary for August 8, 2019, public meeting (ML19227A158). • NRC meeting summary for September 25, 2019, Cumulative Effects of Regulation public meeting (ML19274D398). • NRC public meeting presentation dated November 15, 2019 (ML19318F609). • NRC meeting summary for November 15, 2019, public meeting (ML19338C823). • NRC internal memo "Working Group Recommendations for Building a Smarter Fuel Cycle Licensing Program – Final Draft Report," February 25, 2020 (ML20056C852). • NRC Meeting Notice: Meeting to provide an overview of the draft reports for Building a Smarter Fuel Cycle Licensing and Oversight Program (ML20052E707). • NRC public meeting presentation dated March 5, 2020 (ML20065H300). • NEI Letter, "Industry Comments on Near Final Fuel Cycle Smarter Program Working Group Reports Post March 5, 2020 NRC Public Meeting," March 17, 2020 (ML20097E050). • "Working Group Recommendations for Building a Smarter Fuel Cycle Licensing Program – Final Report," was issued on April 30, 2020 (ML20099F354). • "Public Version of the Smarter Licensing Action Plan and Project Status," July 10, 2020 (ML20184A267).
<p>Meeting Information</p>	<ul style="list-style-type: none"> • None scheduled.

Smarter Fuel Cycle Inspection Program	
Key Contact	Alayna Pearson, 301-415-3174.
Purpose:	Improve the effectiveness and efficiency of the fuel licensing program to be consistent with the NMSS Office Director memorandum and other agency improvement activities [e.g., Risk-informed 2 Decision-Making (RIDM)].
Key Information	<ul style="list-style-type: none"> • On March 13, 2019, the staff introduced the initiative at the NRC Regulatory Information Conference. • The staff created a working group to lead and execute this effort. • On April 26, 2019, the final working group charter was approved. • On March 18, 2020, the working group issued its final report (see below). • On March 18, 2020, the final decision memorandum was issued (see below). The staff has begun implementation of the recommendations. • Inspection guidance documents have been revised and issued, and the staff continues to implement the recommendations. (See Status of Smarter Inspection in “Related Documents” section below).

Related Documents	<ul style="list-style-type: none"> • Nuclear Energy Institute letter dated April 12, 2019 (ML19114A288). • URENCO USA letter dated April 24, 2019 (ML19115A349). • Charter for a smarter inspection program working group (ML19074A139). • Meeting summary for May 21, 2019 public meeting (ML19163A267) • Presentation materials from the June 27, 2019, public meeting where NEI presented recommendations (ML19176A534). • Presentation materials from the August 8, 2019, public meeting to discuss a range of recommendations (ML19199A476 and ML19214A262). • Meeting summary for August 8, 2019, public meeting (ML19227A158). • Presentation materials from the September 12, 2019, public meeting (ML19254A588). • September 25, 2019, Summary of Meeting to Discuss Fuel Cycle Regulatory Activities and Cumulative Effects of Regulation https://www.nrc.gov/docs/ML1927/ML19274D398.pdf • October 17, 2019, Meeting with URENCO USA On Specific Recommendations For Building A Smarter Fuel Cycle Inspection Program https://www.nrc.gov/docs/ML1930/ML19303D270.html • November 15, 2019, Public Meeting: Building a Smarter Fuel Licensing and Oversight Program https://www.nrc.gov/pmns/mtg?do=details&Code=20191230 • March 5, 2020, Meeting Notice: Meeting to provide an overview of the draft reports for Building a Smarter Fuel Cycle Licensing and Oversight Program https://www.nrc.gov/pmns/mtg?do=details&Code=20200165 • NEI Letter, "Industry Comments on Near Final Fuel Cycle Smarter Program Working Group Reports Post March 5, 2020 NRC Public Meeting", March 17, 2020. (ML20097E050) • Working Group Report: "Proposed Recommendations for Building a Smarter Fuel Cycle Inspection Program," dated March 18, 2020 (ML20073G659) • Final decision memorandum, March 18, 2020 (ML20077L247) • NEI Letter, "Follow Up Input to NRC April 22, 2020 Public Meeting and Supplement to NEI's March 17, 2020, letter on Final Working Group Reports on the Smarter Program Inspection and Licensing Program Enhancement Initiative," May 6, 2020 (ML20135G764) • "Response to NEI letter on Smarter Inspection and Licensing Program Enhancement Initiative," June 19, 2020 (ML20148M228) • Implementation Plan (ML20183A242 and ML20189A064) • NEI Letter, "Industry Position Regarding Safety Margin: Dispositioning Degraded or Failed Management Measures Above and Beyond Regulatory Requirements, and Meeting Performance Criteria; Follow Up to May 6, 2020 letter on Smarter Program Inspection Priorities," July 24, 2020 (ML20211L714) • Status of Smarter Inspection <ul style="list-style-type: none"> ○ October 2020 (ML20303A221) ○ November 2020 (ML20330A178) ○ December 2020 (ML20358A212) ○ January 2021 (ML21028A724)
Meeting Information	<ul style="list-style-type: none"> • None scheduled.

NUREG-2159 Revision – Material Control & Accounting Guidance for Special Nuclear Material of Moderate Strategic Significance

Key Contact	James Rubenstone (301-415-7231).
Purpose	Guidance for material control and accounting at fuel cycle facilities that possess special nuclear material of moderate strategic significance (Category II facilities).
Key Information	<ul style="list-style-type: none"> • NRC issued draft NUREG-2159, “Acceptable Standard Format and Content for the Fundamental Nuclear Material Control Plan Required for Special Nuclear Material of Moderate Strategic Significance,” in 2013 in anticipation of a planned rulemaking for 10 CFR Part 74, “Material Control and Accounting of Special Nuclear Material.” The draft was written to the proposed revisions of Part 74. • The Commission terminated the rulemaking in 2019, and the draft NUREG-2159 was not finalized. • The NRC staff is currently revising the draft consistent with the existing requirements of 10 CFR Part 74. • The revised draft will be issued in February 2021 for a 60-day public comment period. Final document to be issued in the summer of 2021.
Related Documents	<ul style="list-style-type: none"> • Proposed guidance for fuel cycle facility material control and accounting plans, <i>Federal Register</i> 78, 67224, November 8, 2013. • Discontinuation of rulemaking, amendments to material control and accounting regulations, <i>Federal Register</i> 84, 3232, July 8, 2019.
Meeting Information	<ul style="list-style-type: none"> • Staff is considering a possible public meeting during the comment period on the draft.

Low Safety Significance Issues (LSSI)	
Key Contact	Donnie Harrison (301-415-2470).
Purpose	Implement process enhancements to mitigate (risk-inform) impact of identified issues that are not clearly in the licensing basis that are of low safety significant issues, but may involve excessive effort to resolve.
Key Information	<ul style="list-style-type: none"> • 2019 – 2020: Office of Nuclear Reactor Regulation (NRR) led an effort on LSSI resolution <ul style="list-style-type: none"> ○ Provided approach and recommendations (subsequently approved by NRR Office Director) on approach to address these issues ○ Implemented concept and used a handful of times ○ NMSS representative on NRR team determined that the concept could also apply in NMSS with some modifications <ul style="list-style-type: none"> ▪ Identified activities pursuing similar intent over multiple business lines • NMSS working team formed with staff across business lines and with regional inspectors to share insights on implementing a consistent approach while recognizing differences in business lines • Current status (March 2021): initiating fuel cycle table-top exercises; other business lines following in phased approach • Fuel Cycle Planned Schedule <ul style="list-style-type: none"> ○ April/May 2021: pilot program ○ June/July 2021: revise LSSI process ○ End of July 2021: develop LSSI implementing IMC/IP guidance ○ September 2021: issue LSSI IMC/IP guidance for trial use <ul style="list-style-type: none"> ▪ Risk-informed process for evaluation (RIPE) starting in the September timeframe ○ January 2022: issue revised LSSI IMC/IP guidance for use, incorporating other business line/regional inspector tabletop exercises
Related Documents	<ul style="list-style-type: none"> • None
Meeting Information	<ul style="list-style-type: none"> • Staff will seek industry input at the March 24-25, 2021 fuel facilities stakeholders meeting for example issues to pilot the draft guidance through the tabletop exercises.