

MEETING WITH THE INDUSTRY AND STAKEHOLDERS TO DISCUSS THE CUMULATIVE EFFECTS OF REGULATION AND FUEL CYCLE REGULATORY ACTIVITIES

U.S. Nuclear Regulatory Commission
Office of Nuclear Material Safety and Safeguards
Division of Fuel Cycle Safety, Safeguards and
Environmental Review

September 25, 2019

Opening Remarks

Andrew Pretzello, Deputy Director
Division of Fuel Cycle Safety, Safeguards, and
Environmental Review
Office of Nuclear Material Safety and Safeguards

Opening Remarks

- NMSS Reorganization
 - New Division of Fuel Management (DFM)
 - New Division of Rulemaking, Environmental, and Financial Support (REFS)
 - Two Centers of Expertise
 - Environmental Center of Expertise (EnvCOE)
 - Financial Assessment Center of Expertise (FCOE)
- NRC staff is creating of a Fuel Cycle Listserv to Distribute NRC Public Documents
(<https://www.nrc.gov/public-involve/listserver/fuel-cycle-fac-correspondence.html>)

Cumulative Effects of Regulation

DyLanne Duvigneaud

Division of Fuel Cycle Safety, Safeguards, and
Environmental Review

Office of Nuclear Material Safety and Safeguards

Updated Integrated Schedule

- Deleted Items
 - Part 74 “Material Control & Accounting of Special Nuclear Material” Rulemaking (ML19093B393)
 - Interim Staff Guidance on Decommission Funding Plans for Material Licensees (ML19079A314)



<http://www.nrc.gov/materials/fuel-cycle-fac/regs-guides-comm.html#cumeffects>

Part 61 “Proposed Rule: Low-Level Radioactive Waste Disposal”

| Regulatory Activity | Revised | 2019 | | | | | | | | | | | | 2020 | | | | | | | | | | | | 2021 | | | | | | | | | | | | 2022 | | | | | | | | | | | |
|--|------------|------|------|------|-------|-----|------|------|-----|------|-----|-----|-----|------|------|------|-------|-----|------|------|-----|------|-----|-----|-----|------|------|------|-------|-----|------|------|-----|------|-----|-----|-----|------|------|------|-------|-----|------|------|-----|------|-----|-----|-----|
| | | Jan | Febr | Marc | April | May | June | July | Aug | Sept | Oct | Nov | Dec | Jan | Febr | Marc | April | May | June | July | Aug | Sept | Oct | Nov | Dec | Jan | Febr | Marc | April | May | June | July | Aug | Sept | Oct | Nov | Dec | Jan | Febr | Marc | April | May | June | July | Aug | Sept | Oct | Nov | Dec |
| Part 61 - LLW Disposal POC: Gary Comfort Driver: SRM | 06/30/2019 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Part 61 - LLW Disposal POC: Gary Comfort Driver: SRM | 09/18/2019 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Key Information | <ul style="list-style-type: none"> The final rule package was submitted to the Commission on September 15, 2016. The Commission issued an SRM on September 8, 2017, directing the staff to issue a supplemental rule for comment. |
| Meeting Information | <ul style="list-style-type: none"> February 2020 – 90-day comment period on supplemental proposed rule begins. March 2020 – Public meeting to support comment period on the supplemental proposed rulemaking. <p>(Note: These dates are tentative. Additional public meetings will be conducted, as needed).</p> |

Contact:
Gary Comfort
NMSS/MSTR/RPMB
301-415-8106



Part 73 “Part 73-Enhanced Security for SNM”

| | | 2019 | | | | | | | | | | | | 2020 | | | | | | | | | | | | 2021 | | | | | | | | | | | | 2022 | | | | | | | | | | | |
|---|------------|----------------|------|------|-------|-----|------|------|-----|------|-----|-----|-----|----------------|------|------|-------|-----|------|------|-----|------|-----|-----|-----|------------------|------|------|-------|-----|------|------|-----|------|-----|-----|-----|------|------|------|-------|-----|------|------|-----|------|-----|-----|-----|
| Regulatory Activity | Revised | Jan | Febr | Marc | April | May | June | July | Aug | Sept | Oct | Nov | Dec | Jan | Febr | Marc | April | May | June | July | Aug | Sept | Oct | Nov | Dec | Jan | Febr | Marc | April | May | June | July | Aug | Sept | Oct | Nov | Dec | Jan | Febr | Marc | April | May | June | July | Aug | Sept | Oct | Nov | Dec |
| Part 73-Enhanced Security for SNM POC: Ed Lohr/Nick Baker Driver: SRM | 06/30/2019 | | | | | | | | | | | | | 90-day comment | | | | | | | | | | | | Issue final rule | | | | | | | | | | | | | | | | | | | | | | | |
| | | 49-day comment | | | | | | | | | | | | To Commission | | | | | | | | | | | | To Commission | | | | | | | | | | | | | | | | | | | | | | | |
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| Part 73-Enhanced Security for SNM POC: Ed Lohr/Kevin Ramsey Driver: SRM | 09/18/2019 | | | | | | | | | | | | | 90-day comment | | | | | | | | | | | | Issue final rule | | | | | | | | | | | | | | | | | | | | | | | |
| | | 49-day comment | | | | | | | | | | | | To Commission | | | | | | | | | | | | To Commission | | | | | | | | | | | | | | | | | | | | | | | |
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| Key Information | <ul style="list-style-type: none"> The NRC published the draft regulatory basis on March 1, 2019. Public comments on the draft close on April 19, 2019. Twelve comments were received from the public on the draft regulatory basis. Staff is reconsidering the need for additional requirements and will be providing options and recommendations to the Commission in fiscal year 2019. |
| Meeting Information | <ul style="list-style-type: none"> None Scheduled. |

Contact:

Edward Lohr
NMSS/DRM/MRPB
301-415-0253

Contact:

Kevin Ramsey
NMSS/FCSE/FLB
301-415-7506



Enhanced Weapons, Firearms Background Checks, and Security Event Notifications Rulemaking

| | | 2019 | | | | | | | | | | | | 2020 | | | | | | | | | | | | 2021 | | | | | | | | | | | | 2022 | | | | | | | | | | | | |
|--|------------|------------------|------|------|-------|-----|------|------|-----|------|-----|-----|-----|------------------|------|------|-------|-----|------|------|-----|------|-----|-----|-----|------|------|------|-------|-----|------|------|-----|------|-----|-----|-----|------|------|------|-------|-----|------|------|-----|------|-----|-----|-----|--|
| Regulatory Activity | Revised | Jan | Febr | Marc | April | May | June | July | Aug | Sept | Oct | Nov | Dec | Jan | Febr | Marc | April | May | June | July | Aug | Sept | Oct | Nov | Dec | Jan | Febr | Marc | April | May | June | July | Aug | Sept | Oct | Nov | Dec | Jan | Febr | Marc | April | May | June | July | Aug | Sept | Oct | Nov | Dec | |
| Enhanced Weapons Rulemaking POC: Robert Beall/Nick Baker Driver: SRM | 06/30/2019 | | | | | ↓ | | ↓ | | | | ↓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Issue final rule | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Enhanced Weapons Rulemaking POC: Robert Beall/Kevin Ramsey Driver: SRM | 09/18/2019 | | | | | ● | | | | | | | ↓ | | | | ↓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | Issue final rule | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| Key Information | <ul style="list-style-type: none"> On May 30, 2019, the staff conducted a public meeting to discuss the proposed draft final rule text with the public and stakeholders. (ML19140A097) The staff anticipates submitting supplemental Commission paper to the Commission by the end of Fall 2019. |
| Meeting Information | <ul style="list-style-type: none"> None scheduled. |

Contact:
Robert Beall
NMSS/DRM/RRPB
301-415-3874

Contact:
Kevin Ramsey
NMSS/FCSE/FLB
301-415-7506



Part 73 “Cyber Security”

| | | 2019 | | | | | | | | | | | | 2020 | | | | | | | | | | | | 2021 | | | | | | | | | | | | 2022 | | | | | | | | | | | |
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| Part 73-Cyber Security Rulemaking | 06/30/2019 | <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> | | | | | | | | | | | | Issue final rule | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| POC: Gary Comfort/James Downs | | <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><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| Key Information | <ul style="list-style-type: none"> 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, Federal Register notice (FRN), Draft Regulatory Analysis, Draft Backfit Analysis, and Draft Environmental Assessment. The staff is awaiting Commission direction. |
| Meeting Information | <ul style="list-style-type: none"> December 2019 – 90-day comment period on proposed rulemaking begins. January 2020– Public meetings to support comment period on the proposed rulemaking. <p>(Note: These dates are tentative. Additional public meetings will be conducted, as needed).</p> |

Contact:
Gary Comfort
NMSS/MSTR/RPMB
301-415-8106

Contact:
James Downs
NMSS/FCSE/ECB
301-415-7744



ANS 57.11 “ISA Standard”

| | | 2019 | | | | | | | | | | | | 2020 | | | | | | | | | | | | 2021 | | | | | | | | | | | | 2022 | | | | | | | | | | | |
|--|------------|------|------|------|-------|-----|------|------|-----|------|-----|-----|-----|------|------|------|-------|-----|------|------|-----|------|-----|-----|-----|------|------|------|-------|-----|------|------|-----|------|-----|-----|-----|------|------|------|-------|-----|------|------|-----|------|-----|-----|-----|
| Regulatory Activity | Revised | Jan | Febr | Marc | April | May | June | July | Aug | Sept | Oct | Nov | Dec | Jan | Febr | Marc | April | May | June | July | Aug | Sept | Oct | Nov | Dec | Jan | Febr | Marc | April | May | June | July | Aug | Sept | Oct | Nov | Dec | Jan | Febr | Marc | April | May | June | July | Aug | Sept | Oct | Nov | Dec |
| ANS 57.11 (ISA) POC: April Smith Driver: SRM | 06/30/2019 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ANS 57.11 (ISA) POC: April Smith Driver: SRM | 09/18/2019 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Key Information | <ul style="list-style-type: none"> The Nonreactor Nuclear Facilities Consensus Committee voted 9-4 in favor of approving the standard. The working group is resolving comments from the subcommittee and expect to have comment resolution to subcommittee in January 2020. The timeline for ANS is controlled by ANS consensus standards process. |
| Meeting Information | <ul style="list-style-type: none"> None scheduled. |

Contact:
April Smith
NMSS/FCSE/PORSB
301-415-6547



RIC

| | | 2019 | | | | | | | | | | | | 2020 | | | | | | | | | | | | 2021 | | | | | | | | | | | | 2022 | | | | | | | | | | | |
|----------------------------------|------------|---|-----|------|-------|-----|------|------|-----|------|-----|-----|-----|------|------|------|-------|-----|------|------|-----|------|-----|-----|-----|------|------|------|-------|-----|------|------|-----|------|-----|-----|-----|------|------|------|-------|-----|------|------|-----|------|-----|-----|-----|
| Regulatory Activity | Revised | Jan | Feb | Marc | April | May | June | July | Aug | Sept | Oct | Nov | Dec | Jan | Febr | Marc | April | May | June | July | Aug | Sept | Oct | Nov | Dec | Jan | Febr | Marc | April | May | June | July | Aug | Sept | Oct | Nov | Dec | Jan | Febr | Marc | April | May | June | July | Aug | Sept | Oct | Nov | Dec |
| RIC POC: TBD Driver: Staff | 06/30/2019 | ↓ | | | | | | | | | | | | ↓ | | | | | | | | | | | | ↓ | | | | | | | | | | | | ↓ | | | | | | | | | | | |
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| Key Information | <ul style="list-style-type: none"> FCSE hosted five sessions during March 2019 RIC. The sessions' descriptions can be found at the link below. The RIC is held annually. |
| 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 next RIC will be held March 10-12, 2020. |

Contact:

TBD
NMSS/FCSE/FLB
301-415-7486



Development of a Smarter Fuel Cycle Licensing Program

| | | 2019 | | | | | | | | | | | | 2020 | | | | | | | | | | | | 2021 | | | | | | | | | | | | 2022 | | | | | | | | | | | |
|--|------------|------|-----|-------|-----|------|------|-----|------|-----|-----|-----|-----|------|-----|-------|-----|------|------|-----|------|-----|-----|-----|-----|------|-----|-------|-----|------|------|-----|------|-----|-----|-----|-----|------|-----|-------|-----|------|------|-----|------|-----|-----|-----|--|
| Regulatory Activity | Revised | Jan | Mar | April | May | June | July | Aug | Sept | Oct | Nov | Dec | Jan | Feb | Mar | April | May | June | July | Aug | Sept | Oct | Nov | Dec | Jan | Feb | Mar | April | May | June | July | Aug | Sept | Oct | Nov | Dec | Jan | Feb | Mar | April | May | June | July | Aug | Sept | Oct | Nov | Dec | |
| Smarter Licensing Charter POC: James Downs Driver: Staff | 06/30/2019 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Smarter Licensing Charter POC: Donnie Harrison Driver: Staff | 09/18/2019 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| Key Information | <ul style="list-style-type: none"> The staff initiated an activity to develop an RAI process business-line instruction. This instruction is expected to be made publicly available when it completes internal review. This project is estimated to be completed by end of calendar year 2019. |
| 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 licensing program working group (ML19115A011). NRC public meeting presentation dated August 8, 2019 (ML19199A479). Meeting summary for August 8, 2019, public meeting (ML19227A158). |
| Meeting Information | <ul style="list-style-type: none"> Next public meeting is scheduled for October 2019. |

Contact:
Donnie Harrison
NMSS/FCSE
301-415-2470



Development of a Smarter Fuel Cycle Inspection Program

| | | 2019 | | | | | | | | | | | | 2020 | | | | | | | | | | | | 2021 | | | | | | | | | | | | 2022 | | | | | | | | | | | | |
|---|------------|------|------|-----|-------|-----|------|------|-----|------|-----|-----|-----|------|------|-----|-------|-----|------|------|-----|------|-----|-----|-----|------|------|-----|-------|-----|------|------|-----|------|-----|-----|-----|------|------|-----|-------|-----|------|------|-----|------|-----|-----|-----|--|
| Regulatory Activity | Revised | Jan | Febr | Mar | April | May | June | July | Aug | Sept | Oct | Nov | Dec | Jan | Febr | Mar | April | May | June | July | Aug | Sept | Oct | Nov | Dec | Jan | Febr | Mar | April | May | June | July | Aug | Sept | Oct | Nov | Dec | Jan | Febr | Mar | April | May | June | July | Aug | Sept | Oct | Nov | Dec | |
| Smarter Inspection Charter POC: Jonathan Marciano Driver: Staff | 06/30/2019 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Smarter Inspection Charter POC: Jonathan Marciano Driver: Staff | 09/18/2019 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| 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. This project is estimated to be completed by end of calendar year 2019. |
| 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). 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). |
| Meeting Information | <ul style="list-style-type: none"> Next public meeting is scheduled for October 2019. |

Contact:

Jonathan Marciano
NMSS/FCSE/LOB
301-415-6731



Summary

- CER public website:

<http://www.nrc.gov/materials/fuel-cycle-fac/regs-guides-comm.html#cumeffects>