

A large, stylized graphic of an atomic symbol, consisting of a central sphere and three elliptical orbits, is positioned on the left side of the slide. The graphic is rendered in shades of blue and white, with the central sphere being a light blue and the orbits being white with blue outlines. The background of the slide is a solid blue color.

Cumulative Effects of Regulation

March 16, 2016

DyLanne Duvigneaud



Introduction

- **CATEGORY 2 MEETING**
 - The primary discussions are expected to be between the NRC and representatives of licensed fuel cycle facilities. Members of the public will be invited to participate in this meeting at designated points during the meeting.
- **REMINDER**
 - The information contained herein is for discussion purposes only and does not represent the final NRC position.
 - We will not be discussing the merits of the regulatory activities during this meeting.

Updated Integrated Schedule

Regulatory Activity	Revised	2016												2017												2018												2019											
		Jan	Febr	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Febr	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Febr	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Febr	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Part 20-Rdtn Protection POC: Cardelia Maupin Driver: SRM	03/07/2016	[Green]												Seek Commission Approval of Draft Reg. Basis												[Green]																							
Part 21-Quality Assurance POC: Sabrina Atack Driver: Staff	03/07/2016	[Orange]												Issue Proposed Rule												Review by Commission												Issue final rule											
Part 26-Fatigue POC: A. Sapountzis Driver: SRM	03/07/2016	[Green]												[Orange]												[Green]												[Green]											
Part 61 - LLW Disposal POC: Gary Comfort Driver: SRM	03/07/2016	[Green]												[Green]												[Green]												[Green]											
Part 73-Enhanced Security for SNM POC: Keith McDaniel Driver: SRM	03/07/2016	[Orange]												[Yellow]												[Green]												[Green]											
Part 73-Cyber Security Rulemaking POC: Matt Bartlett Driver: SRM-SECY-14-0147	03/07/2016	[Blue]												[Orange]												[Green]												[Green]											
Part 74-MC&A POC: Tom Pham Driver: SRM	03/07/2016	[Green]												[Green]												[Green]												[Green]											
ANS 57.11 (ISA) POC: Kevin Morrissey Driver: SRM	03/07/2016	[Green]												[Green]												[Green]												[Green]											
NUREG-1520 POC: Soly Soto Driver: Staff	03/07/2016	[Green]												[Green]												[Green]												[Green]											
Acute Chem. Exposures (ISG) POC: Marilyn Diaz Driver: Staff/SRM	03/07/2016	[Green]												[Green]												[Green]												[Green]											
RFCOP POC: Jack Foster Driver: SRM	03/07/2016	[Green]												[Green]												[Green]												[Green]											
MC&A Reg. Guides POC: Glenn Tuttle Driver: SRM	03/07/2016	[Green]												[Green]												[Green]												[Green]											
FCIX POC: Leira Cuadrado Driver: Staff	03/07/2016	[Green]												[Green]												[Green]												[Green]											

[Blue]	= Reg. Basis/Draft Guidance	[Orange]	= Proposed Rule/Draft Guidance	[Green]	= Final Rule/Final Guidance	[Yellow]	= Public Interaction	[Pink]	= Implementation	[Light Green]	= Non-rulemaking/NRC Activities
[Yellow Circle]	= Meeting occurrence	[Vertical Line]	= Marks a milestone with text	[Red Arrow]	= Change occurred below arrow	http://www.nrc.gov/materials/fuel-cycle-fac/regs-guides-comm.html#cumeffects					
[V]	= Site Visit	[A]	= ACRS Meeting								

Part 21 “Reporting Defects and Non-Compliance”

2016												2017												2018												2019											
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
												●																																			
												Issue Proposed Rule												Review by Commission												Issue final rule											

Key Information	<ul style="list-style-type: none"> • Staff issued the final Regulatory Basis in August 2015. Staff initiated work on proposed rule and regulatory guides. • DG-1292 (commercial grade dedication) plans to endorse NEI 14-09, “Guidelines for the Implementation of 10 CFR Part 21 Reporting of Defects and Noncompliances.” Timing for issuance will be such that DG is issued prior to proposed rule rather than being issued with proposed rule in order to be responsive to industry comments. • The proposed date to finalize the rule is January 2017. A 75 day comment period on the proposed rule would be held January to March 2017. The final rule, according to the pending schedule, is anticipated to be published by June 2018. • Part 21 rulemaking is under review by the Commission as part of the evaluation of the staff’s recommendations in SECY 2016-0009.
Meeting Information	<ul style="list-style-type: none"> • March 16, 2016– Meeting to brief fuel cycle industry on the development of the DG-3049. • To Be Determined- Meeting held with all stakeholders of DG-3049. Anticipated during public comment period. • March – May 2017 – Meeting(s) to discuss resolution of comments on the proposed rule.

Contact:
 Sabrina Atack
 NMSS/FCSE/PORSB
 301-415-7241



Part 26 “Subpart I Managing Fatigue”

2016												2017												2018												2019											
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

Key Information	<ul style="list-style-type: none"> Staff reviewed the proposed alternative to rulemaking (last updated by the Category I licensees on June 30, 2015) that would add fatigue measures for security officers at Category I sites. The staff considers the proposal a viable option and is in the process of requesting Commission approval to terminating this rulemaking.
Meeting Information	<ul style="list-style-type: none"> None Scheduled.

Contact:
 Alex Sapountzis
 NSIR/DSP/FCTSB
 301-287-3660



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

2016												2017												2018												2019																						
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											
Final rule to the Commission																																																										

Key Information	<ul style="list-style-type: none"> Proposed rule (80 FR 16082) and related guidance (80 FR 15930) were published in the Federal Register for public comment on March 26, 2015. The comment period originally ended on July 24, 2015. It was reopened (80 FR 51964) on August 27, 2015 and closed on September 21, 2015. The NRC is in the process of binning the public comments and developing the final rule.
Meeting Information	<ul style="list-style-type: none"> None scheduled.

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



Part 73 “Part 73-Enhanced Security for SNM”

2016												2017												2018												2019											
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
Proposed Rule to Commission												Final Rule to Commission																																			

Key Information	<ul style="list-style-type: none"> The release date of preliminary rule language has yet to be determined. Proposed rule to the Commission in September 2016. Final rule to the Commission by March 2018.
Meeting Information	<ul style="list-style-type: none"> None Scheduled.

Contact:
 Keith McDaniel
 NMSS/MSTR/RPMB
 301-415-5252



Part 73 “Cyber Security”

2016												2017												2018												2019											
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
				A		A																																									
Proposed Rule to Commission																																															

Key Information	<ul style="list-style-type: none"> 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 staff published a draft Regulatory Basis for public comment in the <i>Federal Register</i> on September 4, 2015, (80 FR 53478 – 53480), and the comment period closed on October 5, 2015 The NRC staff addressed public comments submitted by nine separate respondents in the regulatory basis. The final regulatory basis and comment resolution document are scheduled to be finalized by March 2016.
Related Documents	<ul style="list-style-type: none"> February 18, 2016, “Summary of Public Meeting to Discuss Fuel Cycle Cyber Security Proposed Rule Concepts” (ML16054A160)
Meeting Information	<ul style="list-style-type: none"> March 17, 2016 – Public meeting to discuss draft proposed rule December 2016 – February 2017, 75 day comment period on proposed rulemaking Details of 2017 meetings are provided in the supplement to the integrated schedule.

Contact:
 Matthew Bartlett
 NMSS/FCSE/ECB
 301-415-7154



Part 74 “Material Control & Accounting of Special Nuclear Material”

2016												2017												2018												2019											
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
												Final rule due to Commission																																			

Key Information	<ul style="list-style-type: none"> The final rule due date has yet to be determined. The re-baselining decision did not specifically address Part 74 rulemaking. NRC is considering long term path forward on the rulemaking.
Meeting Information	<ul style="list-style-type: none"> None Scheduled.

Contact:
 Tom Pham
 NMSS/FCSE/MCAB
 301-415-7254



ANS 57.11 “ISA Standard”

2016												2017												2018												2019											
Jan	Febr	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Febr	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Febr	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Febr	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
		↓																																													
Draft to WG												Final ISG, if Applicable																																			

Key Information	<ul style="list-style-type: none"> The draft version of the ANS ISA Standard will be returned to the working group this Spring to be reworked.
Meeting Information	<ul style="list-style-type: none"> None scheduled.

Contact:
 Margie Kotzalas
 NMSS/FCSE/PORSE
 301-415-7298



NUREG-1520, Revision 3

2016												2017												2018												2019											
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
												Begin Revision 3																																			

Key Information	<ul style="list-style-type: none"> The second revision to NUREG-1520 was completed and made publicly available in June 2015. The NRC staff anticipates that another revision will be needed after the ANS standard is issued. Revision 3 tentatively scheduled to begin in Summer 2017.
Meeting Information	<ul style="list-style-type: none"> None Scheduled.

Contact:
 Robert Johnson
 NMSS/FCSE/FMB
 301-415-7314



Revised Fuel Cycle Oversight Process (RFCOP)

2016												2017												2018												2019											
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
I												II												II												II											
A																								A												Pilot Testing and Interactions A											

Related Documents	<ul style="list-style-type: none"> • SECY-16-0005 dated January 2016 (ML15233A355)
Meeting Information	<ul style="list-style-type: none"> • March 16, 2016, Begin discussing proposed Qualitative SDP with external stakeholders. • Fall 2016, Planned briefings of ACRS Sub-committee and Full-committee on Qualitative SDP. • Fall 2016, Begin engaging stakeholders on the action matrix thresholds. • Fall 2016, Begin engaging external stakeholders on how the cross-cutting issues are proposed to be incorporated into the RFCOP. • Details of meetings beyond 2016 are provided in the supplement to the integrated schedule.

Contact:

Jack Foster
 NMSS/FCSE/PORSE
 301-415-6250



Material Control and Accounting Regulatory Guides

Revision Date	2016												2017												2018												2019											
	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
12/18/2015																																																
	Eight RGs issued seperately																																															
03/07/2016																																																
	60 day comment for 8 RGs												Eight RGs issued seperately																																			

Key Information	<ul style="list-style-type: none"> • 27 MC&A guidance documents are consolidated into 8 documents. <ul style="list-style-type: none"> ○ DG 5049 - Independent Assessment of Nuclear Material Control and Accounting Systems. NMSS is resolving public comments. ○ DG-5056 - Material Control and Accounting Physical Inventories and Material Balances. Out for public comment June 2016. ○ DG-5051 - Shipping, Receiving, and Internal Transfer of Special Nuclear Material. Out for public comment May 2016. ○ DG-5052 - Determination of Uranium or Plutonium: Methods based on the Analysis of Samples. Out for public comment in August/September 2016. ○ DG-5053 - Determination of Uranium or Plutonium: Nondestructive Assay Methods. Out for public comment in August/September 2016. ○ DG-5054 - Design Considerations to Minimize Residual Holdup of Special Nuclear Material in Process Equipment. Out for public comment in August/September 2016. ○ DG-5055 - Statistical Concepts for Material Control and Accounting. Tentative - four statistics related regulatory guides may be deleted. ○ DG-5050 - Selection of Material Balance Areas and Item Control Areas. Delayed. TBD.
Public Interaction	<ul style="list-style-type: none"> • April-May 2016 – DG-5051; 60 day comment period. • June-July 2016 – DG-5056; 60 day comment period. • August–October 2016 – DG-5052, DG-5053, and DG-5054; 60 day comment period.

Contact:
Glenn Tuttle
NMSS/FCSE/MCAB
301-415-7230



FCIX

2016												2017												2018												2019											
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
												FCIX Meeting																								FCIX Meeting											

- The FCIX will be held biennially.
- No FCIX in 2016

Contact:
 Leira Cuadrado
 NMSS/FCSE/FMB
 301-415-0597



Summary

- **Main Integrated Schedule and Supplement**
- **CER public website:**

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

- **Next quarterly meeting - June 2016**