



## **PUBLIC MEETING**

<http://meetings.nrc.gov/pmns/mtg?do=details&Code=20150760>

# **APPLICATIONS FOR NUCLEAR POWER PLANTS Regulatory Guide 1.206 [Revision]**

**Division of Advanced Reactors and Rulemaking  
Office of New Reactors**

**June 2, 2015**



# Regulatory Guide (RG) 1.206 Revision

## Public Meeting – Category 2

<http://meetings.nrc.gov/pmns/mtg?do=details&Code=20150760>

**Bridge Number: 8007799020 Passcode: 2961650**

**Purpose:** Workshop to provide input to the NRC staff in the development of guidance on select topics to be included in the revised RG 1.206.

**Documents:** ML15138A46 – Meeting Agenda (rev 5/19/15)

- ❑ ML14078A152 – NRO-REG-100, Rev 2, “Acceptance Review Process for Early Site Permit, Design Certification, and Combined License Applications”
- ❑ ML14091A802 – NRO-REG-101, Rev 1, “Processing Requests for Additional Information”

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# Agenda

<u>Time</u>	<u>Topic</u>	<u>Speaker</u>
1:00 p.m.	Opening and Introductions	NRC
1:15 p.m.	Presentation <ul style="list-style-type: none"> <li>➤ RG 1.206 (revision) Overview</li> <li>➤ Workshop interactive approach to develop guidance</li> </ul>	NRC
1:30 p.m.	Guidance: Application Acceptance Review Reference: Office of New Reactors Office Instruction NRO-REG-100, Rev 2, "Acceptance Review Process for Early Site Permit, Design Certification, and Combined License Applications," 12/18/14 (ADAMS Accession No. ML14078A152) <ul style="list-style-type: none"> <li>➤ Guidance purpose and scope</li> <li>➤ Interactive discussion</li> </ul>	NRC ALL
2:45 p.m.	Break	ALL
3:00 p.m.	Guidance: Requests for Additional Information Reference: Office of New Reactors Office Instruction NRO-REG-101, Rev 1, "Processing Requests for Additional Information," 07/10/14 (ADAMS Accession No. ML14091A802) <ul style="list-style-type: none"> <li>➤ Guidance purpose and scope</li> <li>➤ Interactive discussion</li> </ul>	NRC ALL
4:00 p.m.	Guidance: Integrated Final Safety Analysis Report (FSAR) for Combined License (COL) Applications <ul style="list-style-type: none"> <li>➤ Proposed purpose and scope</li> <li>➤ Interactive discussion</li> </ul>	NEI ALL
4:30 p.m.	Participant and Public Feedback	ALL
4:45 p.m.	Review Action Items and Schedule	NRC
5:00 p.m.	Adjourn	NRC



## Overview – RG 1.206 Revision

- ☐ RG 1.206 *Combined License Applications for Nuclear Power Plants* (2007)
- ☐ NRC staff developed approach – summer 2014
- ☐ Public Meeting – September 2014
  - <http://meetings.nrc.gov/pmns/mtg?do=details&Code=20141402>
  - Presented initiative; solicited feedback
- ☐ Stakeholder feedback
  - General endorsement – initiative & approach
  - NEI letter January 2015 – support + comments
- ☐ Public Meeting – March 2015
  - <http://meetings.nrc.gov/pmns/mtg?do=details&Code=20150270>
  - Present / discuss draft guidance; solicited feedback
- ☐ Stakeholder feedback
  - interactive discussion
  - NEI letter May 21, 2015



# Applications For Nuclear Power Plants

A. Introduction

B. Discussion

C. Guidance

## **C.1 Applications – Standard Format & Content**

Part 1 – through – Part 11

## **C.2 Applications – Regulatory Topics**

e.g., Pre-application Activities; Application Electronic Submittal;  
Application Acceptance Review; ... additional topics

## **Appendices: Safety Analysis Reports – Standard Format & Content**

Appendix A – Combined License Final Safety Analysis Report (FSAR)

Appendix B – Early Site Permit Site Safety Analysis Report (SSAR)

Appendix C – Standard Design Certification FSAR

Appendix D – Combined License FSAR for applications referencing  
Standard Design Certification and/or Early Site Permit



# Application-related Regulatory Topics

## **C.2 Application Regulatory Topics**

**C.2.1 Pre-application Activities**

**C.2.2 Pre-application Readiness Assessment**

**C.2.3 Small Modular Reactors & Design-Specific Review Standards**

**C.2.4 Final Safety Analysis Report Numbering Scheme**

**C.2.5 Application Electronic Submittal**

**➡ C.2.6 Application Acceptance Review**

**➡ C.2.7 Requests for Additional Information**

**C.2.8 Combined License Application Referencing DC and/or ESP**

**C.2.9 Inspections, Tests, Analyses, and Acceptance Criteria**



# Application-related Regulatory Topics

## **C.2 Application Regulatory Topics (CONTINUED)**

**C.2.10 information Change Processes for COL Applicants**

**C.2.11 COL Action Items and Post-COL Commitments**

**C.2.12 Design Acceptance Criteria**

**C.2.13 Environmental Issue Finality for COL Referencing ESP / DC**

**C.2.14 10 CFR Parts 30, 40 and 70 Materials Licenses for COLs**

**C.2.15 Finalizing Licensing-basis Information for COLs**

**C.2.16 Operational Programs for COLs**

**C.2.17 Limited Work Authorization**

**C.2.18 Applicability of Consensus Standards**

***C.2.xx [additional topic(s) may be added at a later date]***



## Workshop – guidance development

- ☐ Objective: Assist NRC staff in developing application-related guidance on regulatory topics
- ☐ RG 1.206 (revision) guidance development:
  - Staff approach – (1) staff develops and (2) stakeholders provide feedback
  - Workshop approach – (1) staff drafts purpose/scope and (2) stakeholders participate in development in public meeting
- ☐ Pilot activity – use workshop approach for additional topics if pilot is “successful”
- ☐ NRO office instructions – start point for applicant guidance
- ☐ C.2.6 & C.2.7 topics – staff overview and staff-facilitated interactive discussion
- ☐ 3<sup>rd</sup> topic – industry-recommended new topic for which NEI will present overview and facilitate interactive discussion





## C.2.6 Application Acceptance Review

- ☐ Reference: NRO-REG-100, Rev 2, “Acceptance Review Process for Early Site Permit, Design Certification, and Combined License Applications,” 12/18/14 (ML14078A152)
- ☐ Summary
  - ☐ 10 CFR Part 2 – filing of applications; determination for docketing
  - ☐ Acceptance review process – determine application acceptability
  - ☐ Completeness review – ensure the applicant has submitted the information required by the applicable regulations in Part 52
  - ☐ Technical sufficiency review – ensure the application contains sufficient information in scope and depth for the staff to conduct its detailed technical review within a predictable timeframe
  - ☐ Administrative instructions/guidance for NRC staff
  - ☐ Checklists (technical details) for safety analysis report & environmental report reviews
  - ☐ Revision 2 – acceptance standard changed from “begin” (i.e., completeness) to “conduct” (i.e., sufficiency)



## **C.2.6 Application Acceptance Review (cont)**

- ☐ Reference: RG 1.206 (2007) C.IV.1 “Combined License Application Acceptance Review Checklist”
- ☐ Summary
  - ☐ Focus – COL Final Safety Analysis Report
  - ☐ 10 CFR 52.79 & 52.80 technical information requirements
  - ☐ Detailed checklists – Part 52 requirements & cross-reference to FSAR sections
  - ☐ “Completeness” acceptance standard
  - ☐ 10 CFR 52 – 2007



## Interactive Discussion Points

### Application Acceptance Review (AR)

### Requests for Additional Information (RAI)

- Response to staff in a timely manner [AR/RAI]
- Information to address applicant's methods/analyses [AR]
- Applicant's access to and knowledge of previous RAIs [RAI]
- Availability of supporting calculation packages [AR/RAI]
- Information sufficient for independent review findings [AR/RAI]
- Information presented for developing the safety case [AR/RAI]
- Use of staff-endorsed templates for programs [AR/RAI]
- Availability of technical information [AR/RAI]
- Consistency with best practices or why acceptable [AR/RAI]



## **C.2.6 Application Acceptance Review**

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- ☐ **Guidance purpose and scope**
- ☐ **Interactive discussion**



## C.2.7 Requests for Additional Information

- ☐ Reference: NRO-REG-101, Rev 1, “Processing Requests for Additional Information,” 07/10/14 (ML14091A802)
- ☐ Summary
  - ☐ 10 CFR Part 2 – applicant may be required to supply additional information; NRC may deny application if applicant fails to respond
  - ☐ Purpose – acquire information not otherwise available for staff’s determination regarding safety & environmental issues
  - ☐ RAIs – concise statements of information needed to complete the technical review with clear and understandable regulatory basis
  - ☐ Electronic RAI (eRAI) computer-based control and workflow component of Enterprise Project Management (EPM)
  - ☐ RAIs issued to applicants as e-mails and publicly available in ADAMS (exclude SGI, SUNSI, proprietary information)
  - ☐ Staff-Applicant communications & interactions
  - ☐ Process instructions/guidance for NRC staff to initiate / issue / evaluate response / resolve



## **C.2.7 Requests for Additional Information**

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- ☐ **Guidance purpose and scope**
  
- ☐ **Interactive discussion**



**BREAK**



## **C.2.x Integrated FSAR for COL Applications (proposed)**

- ☐ **Nuclear Energy Institute (NEI) proposed topic for inclusion in RG 1.206 Section C.2**
- ☐ **Topic: Integrated Final Safety Analysis Report (FSAR) for Combined License (COL) Applications**
  - **Purpose and scope**
  - **Interactive discussion**





## **Regulatory Guide 1.206 (revision) “Applications for Nuclear Power Plants”**

# **STAKEHOLDER FEEDBACK**



# **MEETING REVIEW**



# **THANK YOU!**

**Regulatory Guide 1.206 (revision)  
“Applications for Nuclear Power Plants”**

**Public Meeting June 2, 2015**