Periodic Stakeholder Meetings

The NRC holds periodic stakeholder meetings to discuss non-LWR topics of interest. The following table lists the meetings that NRC has conducted to date in connection with this initiative:

Date	Description	Topics
01/19/22	 Meeting Notice Meeting Slides Meeting Summary 	 Status overview of Advanced Reactor Generic Environmental Impact Statement (GEIS) and Rulemaking Activities (NRC) Implementing Near-field Models in MACCS v4.1 for Better Near-field Dose Calculations (NRC and Sandia National Laboratory) Light Water Reactor Construction Permit Interim Staff Guidance (NRC) Nuclear Data Assessment for Advanced Reactors (NRC supported by Oak Ridge National Laboratory) SCALE/MELCOR Development and Applications for non-LWRs (NRC supported by Oak Ridge National Laboratory and Sandia National Laboratory) Advanced Manufacturing Technologies (NRC)
11/10/21	 Meeting Notice Meeting Slides Meeting Summary 	 The Technology-Inclusive, Risk-Informed Maximum Accident (TI-RI-MA) Approach – An Alternative to Probabilistic Risk Assessment (NRC) An Overview of NRC's Regulatory Requirements and Guidance on Counterfeit, Fraudulent, and Suspect Items (NRC) Advanced Reactor Content of Application Revised Chapter 11, "Organization and Human-System Considerations," and Chapter 12, "Post-Construction Inspection, Testing and Analysis Program" (NRC) Accelerated Fuel Qualification (AFQ) White Paper (General Atomics) Update on the Development of a Flexible Operator and Staffing Licensing Framework for Advanced Reactors (NRC) FAQ for Physical Security Cat. II Fuel Cycle Facilities (NRC)

		Fuel Qualification for Molten Salt Reactors (NRC)
09/29/21	 Meeting Notice Meeting Slides Meeting Summary 	 Draft White Paper on Licensing Strategies for Micro-Reactors (NRC) Regulatory Research Plan for Micro-Reactor Development (Idaho National Lab) Summary of Technical Reports on Transportation and Storage of Advanced Reactor Fuel (NRC) Draft White Paper, Advanced Reactor Content of Applications Guidance for Fire Protection (Operations) (NRC) NRC and Canadian Nuclear Safety Commission (CNSC) Joint Report: Technology Inclusive and Risk-Informed Reviews for Advanced Reactors (NRC and CNSC) Update on Draft NUREG-2246, "Fuel Qualification for Advanced Reactors (NRC)" Update on White Paper for Scalable Human Factors Engineering and Flexible Staffing for Advanced Reactors (NRC) Draft Regulatory Guide to Endorse ASME Section XI, Division 2, Reliability and Integrity Management (RIM) Programs for Non-Light Water Reactors (NRC)
08/26/21	 Meeting Notice Meeting Slides Meeting Summary 	 Part 71 – Transportation Requirements for Micro-Reactors (NRC) Material Control and Accounting of Special Nuclear Material of Moderate Strategic Significance (Category II Material): Upcoming Guidance, NUREG-2159, Draft for Public Comment (NRC) Results of U.S. Nuclear Industry Council's 2021 Advanced Nuclear Survey (USNIC) Role and Use of Probabilistic Risk Assessment (PRA) in Support of Advanced Reactor Licensing (NRC and NEI) Status of Non-Light Water Reactor (LWR) PRA Acceptability Regulatory Guide (NRC) Update on Advanced Reactor Exports Working Group Report (NRC)

		Draft White Paper on Inservice Inspection/Inservice Testing Guidance (NRC and Idaho National Lab)
07/15/21	 Meeting Notice Meeting Slides Meeting Summary 	 NRC's Advanced Reactor Public Website (NRC) The Advanced Reactor Generic Environmental Impact Statement and Rulemaking (NRC) Annual Fees for Non- LWRs (NRC And USNIC) Technology Inclusive Content of Application Project, and Advanced Reactor Content of Application Project (NRC) Applicability of Regulations to Non-LWRs (NRC) Argonne National Laboratory Report for Non- LWR Vessel Cooling Systems (ANL) Insights on Adapting Licensing Frameworks to New Non-Power Technologies (NRC)
05/27/21	 Meeting Notice Meeting Slides Meeting Summary 	 ASME Section III, Division 5 Design Tool Software (NRC) Revision to NRC Pre-Application Engagement White Paper (NRC) Inspection and Oversight Framework for Advanced Reactors (NRC) Export Controls Report on How Advanced Reactors Fit within Part 110 (NRC) Graded Probabilistic Risk Assessment (PRA) Approach for Advanced Reactors (NRC) White Paper on Draft Licensing Modernization Project (NRC)
04/15/21	 Meeting Notice Meeting Slides Meeting Summary 	 NRC Advanced Reactor Public Website & Integrated Schedule Walkthrough (NRC) Annual Fees for Advanced Reactors (NRC) Status of Environmental Topics (SECY-21-0001, ANR GEIS, Categorical Exclusions) (NRC) Site Reuse Deployment Guidance for Advanced Reactors FOA (SODI, Orano, Southern Co., EPRI) Risk-Informed Seismic Design and Seismic Isolation (NRC, Southern Co.)

02/25/21	 Meeting Notice Meeting Slides Meeting Summary 	 Construction Permit Guidance Discussion of NRC Draft Staff White Paper "Safety Review of Power Reactor Construction Permit Applications" Nuclear Energy Institute (NEI) Construction Permit (CP) topics U.S. Nuclear Industry Council (USNIC) CP topics Applicability of Regulations Technology Inclusive Content of Application Project (TICAP) and Advanced Reactor Content of Application Project (ARCAP). TICAP / ARCAP Integration SAR Level of Detail Tabletop Exercises – Update and Status Status of TICAP guidance documents ARCAP roadmap draft guidance document considerations Discussion of Draft ARCAP Chapter 11, "Organization," and Chapter 12, "Initial Startup Program." Initial Startup Program." Tabletop Exercises (Tabletop Exercises) Discussion of Draft ARCAP Chapter 11, "Organization," and Chapter 12, "Initial Startup Program." Tabletop Exercises (Tabletop Exercises) Discussion of Draft ARCAP Chapter 11, "Organization," and Chapter 12, "Initial Startup Program." Technology Inclusive (NEI) Tabletop Exercises (Tabletop Exercises) Tabletop Exercises (Tabletop Exercises) Discussion of Draft ARCAP Chapter 11, "Organization," and Chapter 12, "Initial Startup Program." Tabletop Exercises (Tabletop Exercises) Tabletop Exercises (Tabletop Exercises) Tabletop Exercises (Tabletop Exercises) U.S. Tabletop Exercises (Tabletop Exercises) Tabletop Exercises (Tablet
01/21/21	 Meeting Notice Meeting Slides Meeting Summary 	 Feedback on NEI Regulatory Priorities Pre-application Engagement White Paper Pre-application Engagement for Greater Enrichment of Fuels Incorporation of Atmospheric Transport Dispersion Model in MACCS Non-LWR Probabilistic Risk Assessment Standard Update from Department of Energy ASME Section III, Division 5, High Temperature Reactors
11/05/20	 Meeting Notice Meeting Slides Meeting Summary 	 Pre-application Engagement ACRS Lessons-Learned on New Plant Reviews SECY-20-0093, "Policy and Licensing Considerations Related to Micro-Reactors" NEIMA Section 103(e) Report to Congress on Part 53 ASME Section III, Division 5, High Temperature Reactors

		Price-Anderson Act Considerations for Non- LWRs
10/01/20	 Meeting Notice Meeting Slides Meeting Summary 	 Regulatory Analysis of Applicable Regulations for Non-LWRs Advanced Reactor Generic Environmental Impact Statement (GEIS) Advanced Reactor Fuel Qualification White Paper MACCS Code Applicability for Nearfield Consequence Analysis ORNL Report on Preparing and Reviewing a Molten Salt Non-Power Reactor Application
08/25/20	Meeting NoticeMeeting SlidesMeeting Summary	Advanced Reactor Generic Environmental Impact Statement (GEIS)
08/20/20	 Meeting Notice Meeting Slides Meeting Summary 	 ANL Report, "The Assessment of Tritium Detection and Control in Molten Salt Reactors" INL Report, "Technology-Inclusive Determination of Mechanistic Source Terms for Offsite Dose-Related Assessments for Advanced Nuclear Reactor Facilities" Advanced-Reactor Source Term – Pilot Studies Annual Fee Regulations for Microreactors Part 53 Rulemaking Plan and White Paper Industry Perspectives on Part 53 Spent Fuel Reprocessing Rulemaking ORNL Report on Preparing and Reviewing a Molten Salt Non-Power Reactor Application
06/18/20	 Meeting Notice Meeting Slides Meeting Summary 	 Advanced Non-LWR PRA standard NEI 20-09, "Performance of PRA Peer Reviews Using the ASME/ANS Advanced Non-LWR Standard" Promoting Preapplication Participation Annual Fee Regulations for Non-LWRs
05/07/20	<u>Meeting Notice</u><u>Meeting Slides</u><u>Meeting Summary</u>	 Promoting Preapplication Participation Annual Fee Regulations for Non-LWRs Interim Staff Guidance (ISG) for Micro Reactors and Advanced Nuclear Reactor

		Generic Environmental Impact Statement (GEIS) NEI Feedback on PNNL Reports on Approach to Determine the Environmental Data for Non-LWRs Advanced Reactor Fuel Qualification Guidance Spent Fuel Reprocessing Rulemaking Category II Fuel Cycle Facility Security ASME Section XI Division 2 (Reliability Integrity Management or RIM) Advanced Reactor Inspection and Oversight Contract
04/22/20	 Rulemaking for Alternative Physical Security Requirement for Advanced Reactors	 Rulemaking for Alternative Physical Security Requirement for Advanced Reactors NRC's preliminary proposed rule language NRC's disposition of the December 12, 2019 public meeting comments
04/02/20	 Meeting Notice Meeting slides Additional Information Related to Environmental Discussion Draft Interim Staff Guidance for Micro Reactor Environmental Review Meeting Slides Federal Register Notice for Providing Comments on Draft Interim Staff Guidance for 	 Interim Staff Guidance (ISG) for Environmental Reviews and Generic Environmental Impact Statement (GEIS) Commission Paper PNNL Reports on Approach to Determine the Environmental Data for Non-LWRs Feedback on NEI White Paper, Recommendations for Streamlining NRC Environmental Reviews NEI's Comments on Council of Environmental Quality (CEQ) Proposed NEPA Rulemaking Potential Advanced Reactor Fuel Cycle Activities Draft Design Review Guide (DRG) for Instrumentation and Controls (I&C) Reviews for Non-LWRs Engagement with Advanced Reactor Vendors regarding Codes and Standards Financial Qualification, On-site Insurance, Price-Anderson Act Considerations for Non-LWRs

02/20/20	Micro Reactor Environmental Review Pacific Northwest National Laboratory (PNNL) "Draft Environmental Impacts from Transportation of Fuel and Wastes to and from Non- LWRs," March 2020 PNNL "Draft Non-LWR Fuel Cycle Environmental Data," March 2020 Meeting Summary Meeting Summary Meeting slides Meeting Summary	 NRC readiness for non-LWRs and planned update of public website Nuclear Materials Management and Safeguards System (NMMSS) Generic Environmental Impact Statement (GEIS) NEI Environmental Review Report Technology Inclusive Content of Applications Project (TICAP)
		NEI Environmental Review Report
		 Non-LWR Probabilistic Risk Assessment Standard Update from Department of Energy Non-LWR Policy Issues Physical Security Rulemaking Update Emergency Planning Rulemaking Path Forward

12/12/19	 Meeting Notice Draft Outline for Licensing Modernization Project Meetings Slides 	 Advanced Reactors Materials Workshop Overview of NEI Micro-Reactor Paper Non-LWR Review Strategy Advanced Reactor Preparations for Environmental Reviews Physical Security Proposed Rule for Advanced Reactors Technology Inclusive Content of Applications Project (TICAP) Canadian Nuclear Safety Commission (CNSC) Licensing Approach Advanced Reactor Export Working Group
10/10/19	 Meeting Notice Meeting Slides Volcanic Hazards Public Meeting Notice NRC Regulatory Guide on Volcanic Hazards Assessment Working Outline Timeline for Issuance of Regulatory Guide for Volcanic Hazards and Anticipated Stakeholder Involvement DRAFT Non-Light Water Reactor Review Strategy Strategy 	 10 CFR Part 53: Risk-informed, Technology Inclusive Regulatory Framework for Advanced Reactors Rulemaking Export-Controlled Information Technology Volcanic Hazards Regulatory Guide and Upcoming Public Meeting Environmental Topics Draft Documents and Electronic Reading Rooms Manufacturing Licenses Nuclear Energy Innovation and Modernization Act (NEIMA) – Research and Test Reactor Licensing
08/15/19	Meeting NoticeMeeting Slides	Technology Inclusive Content Applications Project (TICAP)

06/27/19	Meeting Summary Meeting Notice	 Action Plan for Reviewing and Endorsing the non-LWR Probabilistic Risk Assessment Standard Micro-Reactors Regulatory Topics Concrete and Elevated Temperature Environmental Interim Staff Guidance and Generic EIS Developments 10 CFR Part 53: Risk-informed, Technology Inclusive Regulatory Framework for Advanced Reactors Rulemaking Nuclear Energy Innovation and Modernization Act (NEIMA) Non-LWR Vision and Strategy Computer Code Reports: Modeling and Simulation of non-LWRs NRC Non-LWR Computer Code Development Plans Protecting Sensitive Information
	 NRC Staff White Paper - Population- Related Siting Considerations Meeting Slides Meeting Summary 	Project (TICAP) Siting Guidance Using GEIS In Support of the Construction and Operation of Advanced Nuclear Reactors Consensus Codes and Standards Survey Environmental topics Interim Staff Guidance for Micro-Reactors Environmental Reviews NEI white paper Streamlining Environmental Reviews Micro-Reactors Overview Task Force High Priorities Endorsement and Gap Analysis of ASME/ANS RA-S-1.4 Pre-application Interactions with the NRC Division 5 Endorsement Kick-off ASME QME-1 for High Temperature Material Qualification for Functional Capability
03/28/19	Meeting NoticeMeeting SlidesMeeting Summary	 Nuclear Energy Innovation and Modernization Act DOE/Office of Nuclear Energy Update

		 Siting Criteria Related to Population Density (Oak Ridge National Laboratory, NRC, Nuclear Energy Institute, General Discussion) Mechanistic Source Term (Sandia National Laboratory, NRC, Technology Working Groups, General Discussion)
02/07/19	 Meeting Notice Meeting Slides Meeting Summary 	Streamlining Environmental Reviews (NRC, NEI) Civil / Structural Issues Regulatory Interfaces (Southern Co.) NRC Research Updates (NRC) Civil/Structural Materials (NEI) Seismic Isolation (INL) Generic Seismic Hazard Curves (NRC) NRC Lessons Learned, Open Discussion
12/13/18	 Meeting Notice Meeting Slides Meeting Summary 	 Modeling & Simulation (NRC) Interface Requirements for Staged Licensing (NIA) Developer Priorities & HALEU (NIC) Policy Issues, Industry Needs Assessment TRISO topical report Future Meetings Regulatory Basis Development for Possible Changes to Physical Security Requirements
09/13/18	 Meeting Notice Meeting Slides Meeting Summary 	 Report on Future of Nuclear Energy in a Carbon-Constrained World and Potential Insights to Prioritize Activities (UWisc) Consensus Codes and Standards ASME Section III, Division 5 Fast Reactor Technology Working Group (Oklo) Licensing Modernization Project Guidance, Draft Regulatory Guide & Related Draft Commission Paper
07/26/18	 Meeting Notice Meeting Slides Meeting Summary 	 Licensing Modernization Project Technology Working Groups - MSR Prioritization Considering O&M Natural Convection Shutdown Heat Removal

06/14/18	 Meeting Notice Meeting Slides Meeting Summary 	 Rightsizing Environmental Reviews Emergency Planning Rulemaking Fuel Qualification – Metal Fuel & Legacy Data Fuel Qualification – TRISO fuel Fuel Qualification – Molten Salt Reactors Fuel Cycle & Transportation Licensing Modernization Project Guidance
05/03/18	 Meeting Notice Meeting Slides Meeting Summary Updated non-LWR Policy Table (May 2018) 	 Insights from NuScale Power Standards Workshop DOE Update Guidance for MSR Research/Test Reactors Safety Focused Review of I&C Licensing Modernization Project Guidance Regulatory Engagement Plans Siting Issues
02/01/18	 Meeting Notice Meeting Slides Meeting Summary 	 Advanced Reactor Program Status (SECY Paper) Environmental Reviews Defense in Depth NRC Staff Comments Licensing Modernization Project Streamlined/Predictable Licensing Pathway Functional Containment Performance Criteria Path Forward on Licensing Guidance non-LWR Policy Table
12/14/17	 Meeting Notice Meeting Slides Meeting Summary Updated non-LWR Policy Table (Dec 2017) Draft Paper on Functional Containment Performance Criteria 	 Licensing Modernization White Paper / Defense in Depth (LMP) Higher Assay LEU & Fuel Cycle (NEI; NRC Staff) Regulatory Engagement Plans (NEI) ASME Code Section III, Division 5 (NRC; DOE; ASME) Nuclear Plant Siting Considerations (NRC Staff; ORNL) Functional Containment Performance Criteria (NRC Staff) HTGR TWG Update on TRISO topical report
11/02/17	<u>Meeting Notice</u><u>Meeting Slides</u>	 Regulatory Roadmap Higher Assay LEU Regulatory Engagement Plans

	Meeting Summary	 Financial Protection (Insurance) Advanced Reactor Design Criteria Licensing Modernization Project Functional Containment
09/28/17	 Meeting Notice Meeting Slides Meeting Summary 	 Summary of NRC Standards Forum Licensing Modernization Project Follow up on PRA Approach Whitepaper Safety Classification White Paper Advanced Reactor Design Criteria Policy Issues Insurance Functional Containment
08/03/17	 Meeting Notice Meeting Slides Meeting Summary Updated Non-LWR Policy Table 	 Implementation Action Plans Prototype Testing Regulatory Engagement Plans (NEI) Fuel Qualification TRISO Fuel (INL and Industry) Metal Fuel (ANL) Molten Salt (ONRL)
06/22/17	 Meeting Notice Meeting Slides Meeting Summary 	 Policy Issues Feedback on SDA/Major Portions Feedback on Licensing Basis Events Probabilistic Risk Assessment Approach Nuclear Infrastructure Council
05/3- 4/17	 Meeting Notice Meeting Slides Meeting Summary 	 NEI Physical Security White Paper UCS Views on the NEI Security White Paper LMP Licensing Basis Event White Paper Planned LMP PRA White Papers Functional Containment Performance Criteria NIA White Paper – SDA / Major Portions Policy Issues Update –non-LWRs
03/22/17	 Meeting Notice Meeting Slides Meeting Summary 	 Joint Discussions Mid- and Long-Term Implementation Action Plans Security Design Considerations Licensing Project Plans Policy Issues Discussion (NIC) Major Portions Discussion (NIA)

		Licensing Technical Requirements Modernization Project (NEI/Southern)
02/02/17	 Meeting Notice Meeting Slides Meeting Summary 	 NRC Discussions of: Vision & Strategies Implementation Action Plans Policy Issues DOE Update - Regulatory Process Improvements for Advanced Reactor Designs Nuclear Infrastructure Council – Regulatory Improvements in Advanced Reactor Designs Nuclear Innovation Alliance – Update on "Major Portions" of a Standard Design
12/15/16	 Meeting Notice Meeting Slides Meeting Summary 	 NRC Staff – Non-LWR Vision and Strategies Implementation Action Plans, Volume Draft Regulatory Review Roadmap DOE Update Table of Small Modular Reactor and Advanced Reactor Technical and Policy Issues Nuclear Innovation Alliance Presentation on "Major Portions" of a Standard Design Approval Nuclear Infrastructure Council Presentation Nuclear Energy Institute/Southern Company Services Presentation – Licensing Technical Requirements Modernization Project
10/25/16	 Meeting Notice Meeting Slides Meeting Summary 	 Vision and Strategies Implementation Action Plans Draft Regulatory Review Roadmap DOE Vision and Strategy for the Development and Deployment of Advanced Reactors Secretary of Energy Advisory Board Task Force on the Future of Nuclear Power Draft Report Nuclear Infrastructure Council Nuclear Innovation Alliance Nuclear Energy Institute

		 NEI Advanced Reactor Regulatory Task Force Activities Modernization of Technical Requirements for Licensing of Non-Light Water Reactors
07/27/16	 Meeting Notice Meeting Slides Meeting Summary 	 NRC Background and Status Draft "NRC Vision and Strategy for Non-Light Water Reactor Mission Readiness" Flexible review options NEI Staged Application Survey Results – Advanced Reactor Regulatory Task Force