

Office of Nuclear Materials Safety and Safeguards (NMSS)



Discuss Licensing Efficiencies Initiative: Streamlining Pre-application Engagements for Nuclear Material Users (NMU)

NRC Public Meeting
August 21, 2025

Agenda

Time	Topic	Speaker
10:00 AM	Introductions and Opening Remarks	NRC
10:10 AM	Streamlining Pre-application Engagements (NMU)	NRC
10:20 AM	Status of NMU/Licensing Efficiencies Related initiatives	NRC
10:30 AM	Discussion - Ideas and Insights for Streamlining Pre-application Engagements	NRC and Public
11:15 AM	Summary and Closing Remarks	NRC
11:30 AM	Adjourn	NRC

If attendees would like their names listed in the publicly available meeting summary attendance record, please email Booma.Venkataraman@nrc.gov.

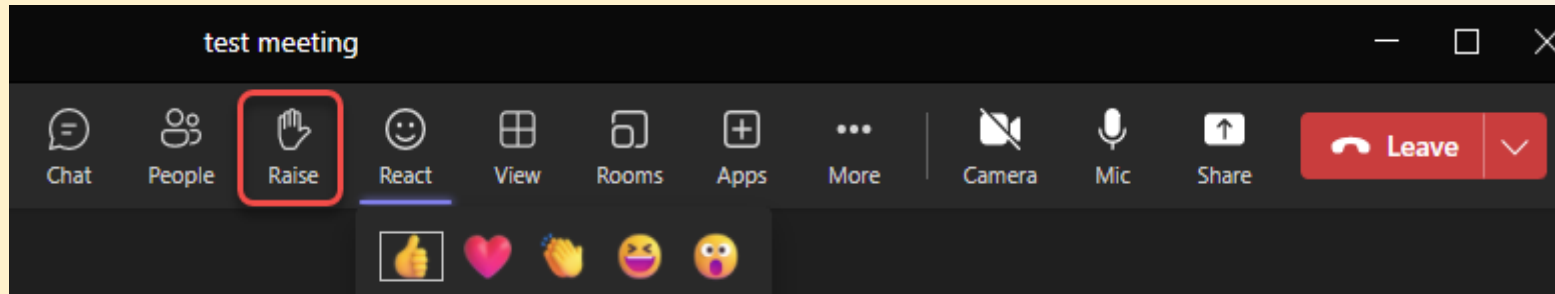
Logistical Notes



- Participants are in listen-only mode until the designated comment session.
- This meeting will be transcribed.
- No regulatory decisions will be made at today's meeting.
- This meeting was publicly noticed on August 6, 2025 ([ML25218A249](#)).
- Meeting materials available at:
<https://www.nrc.gov/pmns/mtg?do=details&Code=20250992>

To Participate Today

1) Use the “Raise Hand” button to indicate your desire to make a statement



2) Wait for facilitator to acknowledge your turn to speak.

3) Unmute yourself and provide comment.



Note: The chat feature will be disabled during this meeting.



Opening Remarks

NRC Mission

The NRC protects public health and safety and advances the nation's common defense and security by enabling the safe and secure use and deployment of civilian nuclear energy technologies and radioactive materials through efficient and reliable licensing, oversight, and regulation for the benefit of society and the environment.

Licensing Efficiencies- Background



- Accelerating Deployment of Versatile, Advanced Nuclear for Clean Energy Act of 2024 – or the **ADVANCE Act** – was signed into law on July 9, 2024.
 - ADVANCE Act, **Section 505** relates to nuclear licensing efficiency.
 - Safety and security remain NRC's priority.
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- The NRC staff is looking to enhance techniques and guidance to support efficient, timely, and predictable licensing reviews, and to periodically assess and modify these techniques.
 - NMSS has a **Materials Licensing Efficiencies and Process (M-LEAP)** team tasked to develop near and long-term initiatives. This team also coordinates with the Reactor (R)-LEAP team.



Why Streamline Pre-application Engagements?

Project Purpose:

Streamlining Nuclear Materials Users pre-application engagements to help improve the quality of licensing applications, and enable timely, predictable, and efficient licensing decisions in advancing civilian nuclear energy for the benefit of society.

**Note: Pre-application
licensing engagements
are voluntary.**

Benefits: Promote early two-way dialog for openness, clarify information, enable complete and sufficient information availability for NRC staff to start the review, potentially reducing requests for additional information in the detailed review process.

Scope of Meeting

- The NRC is gathering comments and feedback on its implementation of the M-LEAP initiative to streamline pre-application engagements for Nuclear Materials Users.
- This meeting will also include information on related NMU M-LEAP licensing efficiency initiatives for general awareness.

NMU Other Licensing Initiatives (M-LEAP)



Materials Online Application Portal- Form 313 Modernization (Ongoing- Being piloted!)

Streamline License Renewal Process (Ongoing)

Develop Landing Page for Emerging Medical Technologies Guidance to Enhance the Review Process (Ongoing)

Streamline the Acceptance Review Process (Future)

Risk-Inform Materials Transfer of Control Applications (Future)

Sealed Source and Device Application Intake Modernization (Future)

NRC Form 313 – Modernized Licensing Application Portal for Materials Licensees and Applicants

Now Being Piloted!



- **Streamlined Application Process** – Allows submission of license applications online using NRC Form 313, with built-in digital signature functionality to reduce paperwork. Potential resource savings to both NRC staff and licensees/applicants.
- **User-Friendly Interface** – Step-by-step guidance for application and fees submission- helps prevent errors and improves efficiencies.
- **Secure Submission and Coordination with NRC** – All activity occurs within the Web-Based Licensing (WBL) system, so files don't need encryption, and applicants can communicate and share documents directly with NRC staff.
- **Rollout Timeline** – Expected availability to all NRC licensees/ applicants in October 2025.



NRC FORM 313 U.S. NUCLEAR REGULATORY COMMISSION		APPROVED BY (OMB NO. 3150-0155) EXPIRES DATE: 07/01/2025	
<p>APPLICATION FOR MATERIALS LICENSE</p> <p>1. THIS IS AN APPLICATION FOR: (Check appropriate box)</p> <p><input type="checkbox"/> A. NEW LICENSE</p> <p><input type="checkbox"/> B. RENEWAL OF LICENSE NUMBER</p> <p><input type="checkbox"/> C. LICENSE NUMBER TRANSFER</p> <p><input type="checkbox"/> D. LICENSE NUMBER TRANSFER TO NEW LICENSEE</p> <p><input type="checkbox"/> E. LICENSE NUMBER TRANSFER TO NEW LICENSEE</p> <p><input type="checkbox"/> F. LICENSE NUMBER TRANSFER TO NEW LICENSEE</p> <p><input type="checkbox"/> G. LICENSE NUMBER TRANSFER TO NEW LICENSEE</p> <p><input type="checkbox"/> H. LICENSE NUMBER TRANSFER TO NEW LICENSEE</p> <p><input type="checkbox"/> I. LICENSE NUMBER TRANSFER TO NEW LICENSEE</p> <p><input type="checkbox"/> J. LICENSE NUMBER TRANSFER TO NEW LICENSEE</p> <p><input type="checkbox"/> K. LICENSE NUMBER TRANSFER TO NEW LICENSEE</p> <p><input type="checkbox"/> L. LICENSE NUMBER TRANSFER TO NEW LICENSEE</p> <p><input type="checkbox"/> M. 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Note: Use of this online tool is optional. Further engagement with external stakeholders will help guide the rollout, capture lessons learned, and support gradual full adoption.

Streamlining Pre-application Engagements

Key Messages



- The NRC processes approximately 1400 licensing applications in NMU, annually, for commercial, medical, industrial, and academic uses of byproduct and source radioactive materials.
- Pre-application engagements are voluntary. Streamlined pre-licensing meetings can be leveraged early for a range of applications including new, novel, or complex applications.
- Intent is to improve the quality of licensing applications and enable efficient reviews. This can save both NRC and applicant/licensee resources.
- Enhancing the pre-licensing engagement process can lay the groundwork for the future of licensing of mass fusion machines in the National Materials program.
- External stakeholder feedback is critical to NRC's success.
- NRC goal to use feedback and develop guidance and tools for licensees and staff by November 14, 2025.

Streamlining NMU Pre-application Engagements

Topics Under Consideration



- Enhancing NRC public webpage instructions to better help licensee or applicant engagement for licensing. Examples:
 - ☐ Frequently asked questions
 - ☐ Simplified guidance and quick references
 - ☐ Short videos
- Techniques for pre-application meetings to provide walk-through and information on licensing process. Examples:
 - ☐ Guidance on filling out NRC application checklists/forms needed for applications
 - ☐ View/discuss licensee or applicant draft applications early
 - ☐ Discuss acceptance criteria to enable completeness and sufficiency
 - ☐ Discuss applicable fees
- Include Best Practices from other NRC Business Lines and Agreement States experience.

Discussion- NRC and Public

Thank You!

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