



**Non-power Production or Utilization
Facility (NPUF) License Renewal
Rulemaking:**

**Implementation of Final Safety Analysis
Report (FSAR) Submittals**

September 20, 2017

NPUF Proposed Rule Background

On March 30, 2017, the NRC published a proposed rule in the *Federal Register* for public comment to:

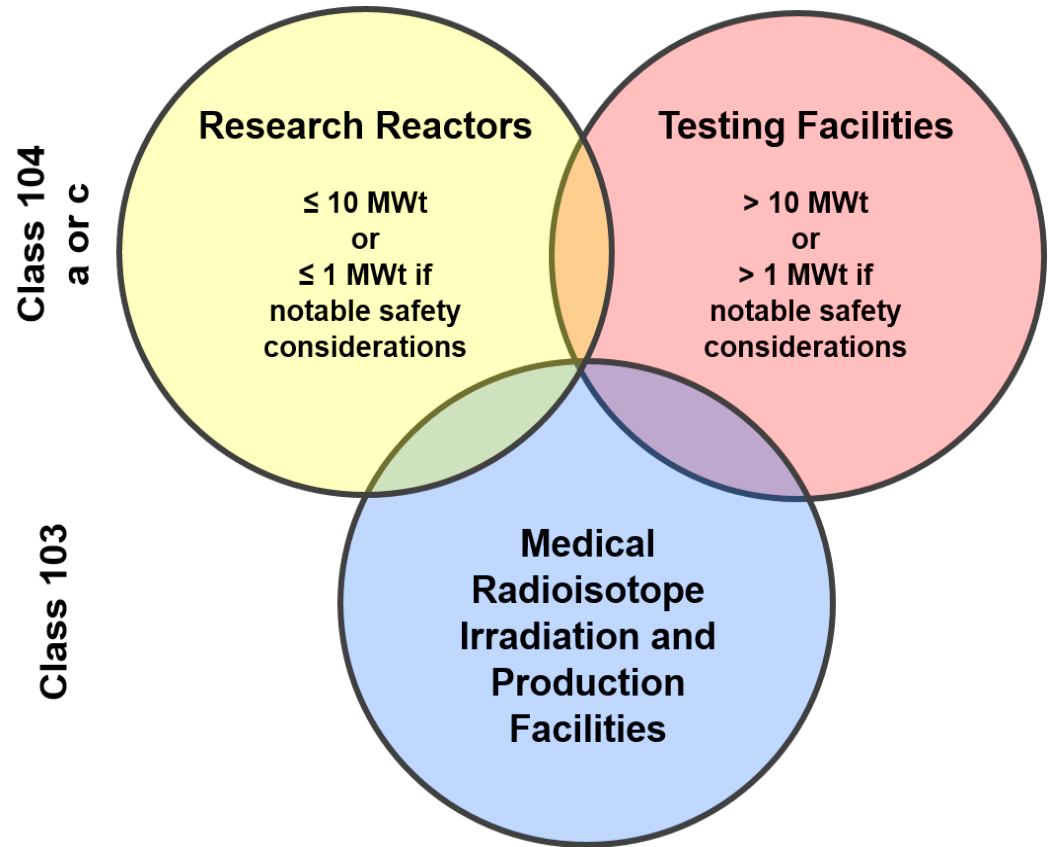
- Address Commission direction to streamline the license renewal process by establishing a more efficient, effective and focused regulatory framework
- Fix existing shortcomings in regulations for NPUF licensees
- *Federal Register* notice: ADAMS Accession No. ML17068A031

NPUF Proposed Rule Overview

- Proposed rule's public comment period ended June 13, 2017
- NRC is reviewing and responding to public comments
- Several comments focus on proposed requirement to submit FSAR updates to the NRC every 5 years

Require Updated FSAR Submittals

- Extend applicability of 10 CFR 50.71(e) to NPUFs
- Ensure timely documentation of changes to licensing basis
- Benefit knowledge management, NRC's inspection program, and licensee operator training and exams





Implementation Plan: Updated FSAR Submittals

WHEN?

- Initial due date dictated by the facility's assigned implementation group and site-specific orders.
- Assigned implementation group based on date of last license renewal.

Implementation Plan: Updated FSAR Submittals

WHAT?

- Proposed rule would require an updated FSAR submitted in complete form with clear indication of the changes made since the last update.
- A summary of changes to the FSAR alone would not meet the intent of the proposed rule.

Implementation Plan: Updated FSAR Submittals

THEN?

- NRC PMs will conduct the review.
- NRC staff will perform a “delta review,” focusing on changes relative to the last FSAR update.
- Review of FSAR update will be similar to review of the Annual Report.

QUESTIONS?



BACK UP SLIDE



Draft Final FSAR Update Implementation Groupings for Currently Licensed NPUFs

Group 1	Group 2	Group 3
Texas A&M University (TRIGA) (9/2015)	Oregon State University (9/2008)	Idaho State University (8/2006)
University of California (Irvine) (7/2016)	Missouri University of Science and Technology(3/2009)	Kansas State University (3/2008)
U.S. Geological Survey (10/2016)	NIST (7/2009)	Ohio State University (6/2008)
Purdue University (10/2016)	Pennsylvania State University (11/2009)	North Carolina State University (~early 2019)
Armed Forces Radiobiology Research Institute (11/2016)	Massachusetts Institute of Technology (11/2010)	Aerotest (~early 2020)
University of Maryland (12/2016)	University of New Mexico (2/2011)	University of California Davis (~early 2020)
Rhode Island Atomic Energy Commission (1/2017)	University of Wisconsin (3/2011)	GE-Hitachi (~mid-2023; NRC to issue non-expiring license at conclusion of review)
University of Missouri (Columbia) (1/2017)	Rensselaer Polytechnic Institute (6/2011)	Texas A&M University (in storage)
University of Florida (3/2017)	Washington State University (9/2011)	
University of Massachusetts (Lowell) (~early 2019)	University of Utah (10/2011)	
University of Texas (~early 2019)	Reed College (4/2012)	
	Dow Chemical Company (6/2014)	
11 Facilities	12 Facilities	8 Facilities