

U.S. Nuclear Regulatory Commission
38th Annual Regulatory Information Conference

RIC2026

Regulation, Innovation and
Collaboration for a Safer Tomorrow

March 10-12, 2026

Bethesda North Marriott Hotel
and Conference Center
Rockville, MD

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NRC.gov



Enabling the Safe Construction of Advanced Reactors

Jon Greives

Acting Director, Division of Advanced Reactors and Non-Power
Production and Utilization Facilities (DANU)
Office of Nuclear Reactor Regulation



POLICY ISSUE (Information)

August 28, 2025

SECY-25-0074

FOR: The Commissioners
FROM: Michael F. King
Acting Executive Director for Operations
SUBJECT: EXPEDITED CONSTRUCTION OF CERTAIN SYSTEMS, AND COMPONENTS
PURPOSE:

Flexibility During the Construction and Pre-Construction Phases

NUCLEAR REGULATORY COMMISSION

Docket No. 50-613

US SFR Owner, LLC.;

Kemmerer Power Station Unit 1;

Exemptions

I. Background

By letter dated March 28, 2024, TerraPower, LLC (TerraPower), on behalf of its owned subsidiary US SFR Owner, LLC (USO), submitted a construction permit application including a preliminary safety analysis report (PSAR) to the NRC staff for a reactor facility pursuant to part 50 of title 10 of the Code of Federal Regulations (10 CFR) part 50.103 of "Domestic Licensing of Production and Utilization Facilities" and section 103 of



Vogtle 3 and 4 construction site.

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TerraPower via YouTube

Advanced Reactor Construction Oversight Program



Performance Monitoring



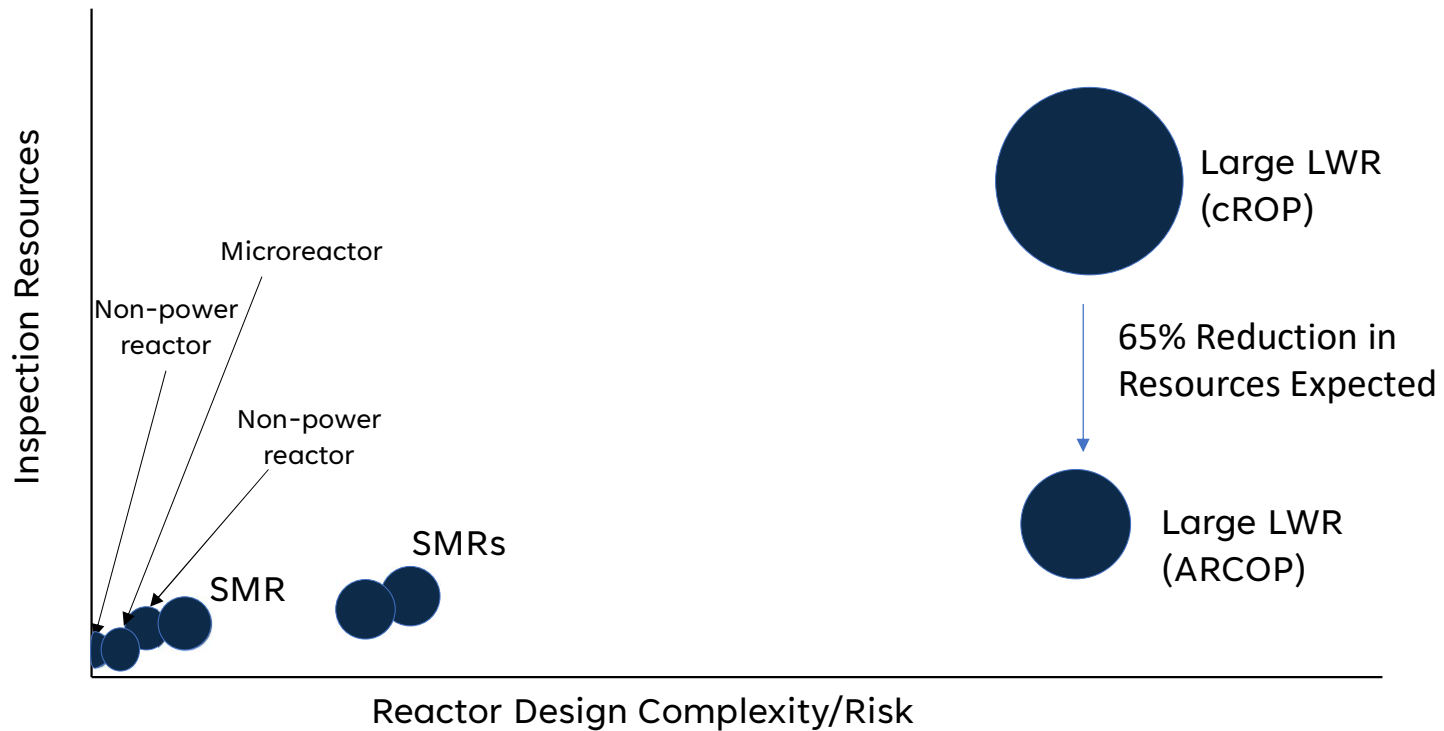
ARCOP Significance
Determination Process



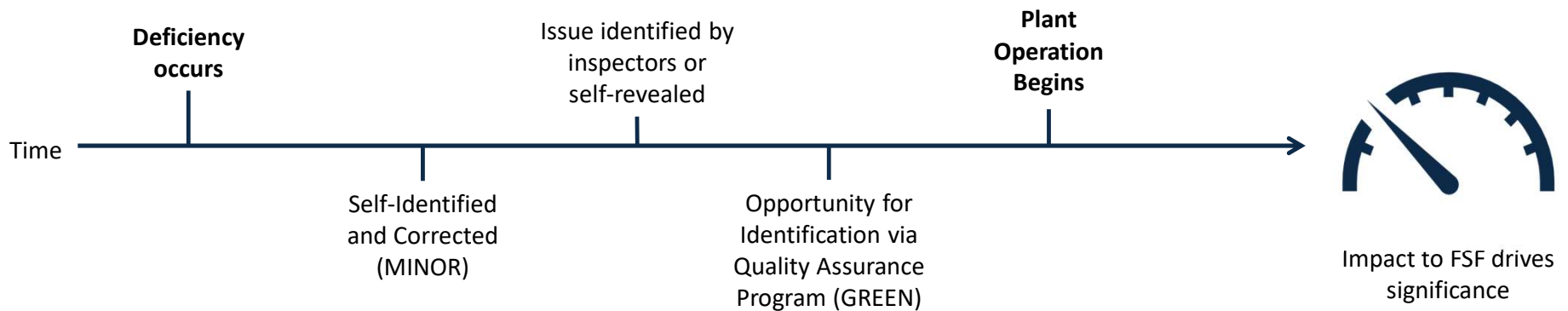
Assessing Performance

Source: SECY-25-0103, "Update on Development of the U.S. Nuclear Regulatory Commission's Advanced Reactor Construction Oversight Program," dated December 16, 2025

Scalable Inspection Footprint Focused on Quality



ARCOP Significance Determination Process



Significance based on risk that would result if deficiency were to go on to exist during operations

Assessing Performance



Performance-based adjustments to inspection scope

THANK YOU!



Advanced
Reactors



SECY-25-0074



SECY-25-0103



EO 14300
Rulemaking