



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

September 30, 2021

MEMORANDUM TO: Andrea D. Veil, Director
Office of Nuclear Reactor Regulation

Raymond V. Furstenau, Director
Office of Nuclear Regulatory Research

John W. Lubinski, Director
Office of Nuclear Material Safety and Safeguards

FROM: Joseph E. Donoghue, Director **/RA/**
Division of Safety Systems
Office of Nuclear Reactor Regulation

Bo M. Pham, Director **/RA/**
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

SUBJECT: SECOND UPDATE TO THE PROJECT PLAN TO PREPARE THE
U.S. NUCLEAR REGULATORY COMMISSION FOR EFFICIENT
AND EFFECTIVE LICENSING OF ACCIDENT TOLERANT FUELS

The purpose of this memorandum is to transmit the updated Version 1.2 of the U.S. Nuclear Regulatory Commission's (NRC's) Accident Tolerant Fuel (ATF) Project Plan, "Project Plan to Prepare the U.S. Nuclear Regulatory Commission to Efficiently and Effectively License Accident Tolerant Fuels" (Agencywide Documents Access and Management System Accession No. ML21243A298). The plan has been developed by the NRC's cross-office ATF steering committee, chaired by the Division of Safety Systems in the Office of Nuclear Reactor Regulation, and associated working group to prepare the agency for timely licensing of ATF-concept, increased enrichment, and higher burnup fuels. This revision of the project plan integrates the previous Appendix A, "Fuel Burnup and Enrichment Extension Preparation Strategy," to better reflect the industry's focus on higher fuel burnup and increased enrichment fuels. Additionally, the previous Appendix B, "NRC Plans to Develop Analysis Capability," has been deleted to streamline the plan by removing outdated information that is available in other documents.

CONTACT: Michael Wentzel, NRR/DORL/LPLII-2
(301) 415-6459

The NRC staff made draft Version 1.2 available to the public on July 9, 2021 and held a public meeting on July 22, 2021 to solicit feedback from stakeholders. The Nuclear Energy Institute submitted a formal letter (Agencywide Documents Access and Management System Accession No. ML21221A130) on August 5, 2021, capturing industry comments. The NRC staff considered industry comments in finalizing this revision of the project plan. The NRC staff will issue a summary of the staff's responses to the comments in a separate correspondence.

The steering committee considers the plan to be a living document that will evolve, as needed, as concepts mature and industry plans solidify.

Enclosure:
As stated

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OFFICE	NRR/DORL/LP2-2/PM	QTE	NRR/DORL/LP2-2/BC	OGC – NLO
NAME	MWentzel	JDougherty	DWrona	NMertz
DATE	09/07/2021	09/07/2021	09/16/2021	09/23/2021
OFFICE	NMSS/DFM/D	NMSS/REFS/D	NRR/DRA/DD	RES/DSA/D
NAME	SHelton	JTappert	MKhanna	KWebber
DATE	09/19/2021	09/14/2021	09/21/2021	09/16/2021
OFFICE	NRR/DORL/D	NRR/DSS/D		
NAME	BPham	JDonoghue		
DATE	09/30/2021	09/30/2021		

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