



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

September 25, 2018

MEMORANDUM TO: Ho K. Nieh, Director
Office of Nuclear Reactor Regulation

Raymond V. Furstenau, Director
Office of Nuclear Regulatory Research

Marc L. Dapas, Director
Office of Nuclear Material Safety and Safeguards

Frederick D. Brown, Director
Office of New Reactors

FROM: Mirela Gavrilas, Director */RA/*
Division of Safety Systems
Office of Nuclear Reactor Regulation

SUBJECT: 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 first official version 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. ML18261A414). 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 concepts. The plan incorporates stakeholder feedback received during an official public comment period, several public meetings, ACRS subcommittee briefing, Commission briefing, interactions with the individual fuel vendors, industry, and U.S. Department of Energy workshops and conferences, and discussions with international counterparts. The staff responses to the comments received during the official comment period have been documented and are also enclosed.

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

Enclosures:
As stated

CONTACT: J. Andrew Proffitt, NRR/DLP
(301) 415-1418

The ATF working group activities will now transition from high-level strategy planning to detail oriented implementation mode. The next steps include heightened, direct engagement with the individual fuel vendors pursuing ATF concepts, seeking to understand areas of margin recovery or operational flexibility licensee's may pursue and their impacts on the regulatory infrastructure, and beginning phenomena identification and ranking table exercises for ATF concepts.

SUBJECT: PROJECT PLAN TO PREPARE THE U.S. NUCLEAR REGULATORY
COMMISSION FOR EFFICIENT AND EFFECTIVE LICENSING OF ACCIDENT
TOLERANT FUELS DATED SEPTEMBER 25, 2018

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AProffitt

MBales

JoWhitman

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JSchmidt

CFong

RLukes

JGillespie

ADAMS Accession Nos:**Package: ML18261A412****Transmittal Letter: ML18261A413;****Project Plan: ML18261A414****Comment Resolution: ML18261A415*****via email**

OFFICE	NRR/DLP/PLPB/PM	QTE*	NRR/DLP/LA	OGC – NLO*
NAME	AProffitt	JDougherty	DHarrison*	BHarris
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NAME	CErlanger (BSmith for)	MLayton	JMonninger (KCoyne for)	MFranovich
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OFFICE	NRR/DORL/D(A)*	NRR/DLP/D*	RES/DSA/D*	NRR/DSS/D
NAME	KBrock	LLund	MCase	MGavrilas
DATE	9/24/18	9/24/18	9/24/18	9/24/18

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