




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

March 3, 2020

SECRETARY

IN RESPONSE, PLEASE
REFER TO: M200225

MEMORANDUM TO: Margaret M. Doane
Executive Director for Operations

FROM: Annette L. Vietti-Cook, Secretary 

SUBJECT: STAFF REQUIREMENTS – OVERVIEW OF ACCIDENT
TOLERANT FUEL ACTIVITIES, 9:00 A.M., TUESDAY,
FEBRUARY 25, 2020, COMMISSIONERS' CONFERENCE
ROOM, ONE WHITE FLINT NORTH, ROCKVILLE, MARYLAND
(OPEN TO PUBLIC ATTENDANCE)

The Commission was briefed by the NRC staff and external stakeholders on the status and issues associated with the path to licensing accident tolerant fuel (ATF) for use in commercial nuclear power reactors. A representative from the Department of Energy provided an update on the current efforts of the Advanced Fuels Campaign, a representative from Southern Company provided an update on the Industry Accident Tolerant Fuel Working Group mission and activities, a representative from the Electric Power Research Institute (EPRI) provided an update on EPRI/NRC coordination of ATF activities, and a representative from the Union of Concerned Scientists provided perspectives on ATF technologies and the licensing process.

The NRC staff provided an overview of ATF activities, an update on the staff's readiness for licensing near-term ATF concepts, front-end and back-end burnup/enrichment considerations, the technical bases for review of chromium-coated cladding and in-reactor burnup extension, and the status of the preparation of the confirmatory analysis tools for ATF concepts.

There were no requirements identified for staff action.

cc: Chairman Svinicki
Commissioner Baran
Commissioner Caputo
Commissioner Wright
OGC
CFO
OCA
OIG
OPA
ODs, RAs, ACRS, ASLBP (via E-Mail)
PDR