



UNITED STATES
NUCLEAR REGULATORY COMMISSION
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November 24, 2017

MEMORANDUM TO: John D. Monninger, Director
Division of Safety Systems and Risk Assessment
Office of New Reactors

FROM: Michael Case, Director */RA/*
Division of Systems Analysis
Office of Nuclear Regulatory Research

SUBJECT: NON-LIGHT WATER REACTOR (NON-LWR) STRATEGY
2 IMPLEMENTATION ACTION PLAN PROGRESS
REPORT

The purpose of this memorandum is to provide the attached report summarizing progress made during fiscal year 2017 toward meeting the objectives and goals in non-LWR Implementation Action Plan Strategy 2 on computer codes and tools. The NRC's Office of Nuclear Regulatory Research (RES) led the activities under Strategy 2.

During fiscal year 2017, RES focused on familiarization with non-LWR designs, potential codes and tools to be used in regulatory reviews of these design types, and associated information gaps. RES staff, along with staff from the Office of New Reactors (NRO), attended DOE and NRC-sponsored workshops, technology working groups, pre-applicant "drop-in" meetings, and focused training to better understand the reactor systems under development. In the latter half of the fiscal year, RES began identifying and evaluating computer codes and tools. The RES staff issued two studies: one analysis concerning potential code suites for non-LWR designs (ML17244A459) and an overview of probabilistic risk assessment tools (ML17240A228). Most other work remains in progress and will continue into fiscal year 2018.

We look forward to our continuing collaboration in ensuring agency readiness for future non-LWR reactor reviews.

Enclosure:
NRC Non-Light Water Reactor (Non-LWR) Vision and Strategy – Strategy 2 Near-Term Implementation Action Plan Progress Report for Fiscal Year 2017

NON-LIGHT WATER REACTOR (NON-LWR) STRATEGY 2 IMPLEMENTATION
ACTION PLAN PROGRESS REPORT DATED NOVEMBER 24, 2017.

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