



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

July 13, 2022

SECRETARY

MEMORANDUM TO: Daniel H. Dorman
Executive Director for Operations

FROM: Brooke P. Clark, Secretary

SUBJECT: STAFF REQUIREMENTS – SECY-20-0045 –
POPULATION-RELATED SITING CONSIDERATIONS FOR
ADVANCED REACTORS

The Commission has approved the staff's recommended Option 3, to revise the guidance in Regulatory Guide 4.7, "General Site Suitability Criteria for Nuclear Power Stations," related to Title 10 of the *Code of Federal Regulations* Part 100, "Reactor Site Criteria," Section 100.21(h). That provision states that reactor sites should be located away from very densely populated centers and that areas of low population density are generally preferred. The revised guidance will provide technology-inclusive, risk-informed, and performance-based criteria to assess population-related issues in siting advanced reactors. With respect to the traditional dose assessment approach, the staff should provide appropriate guidance on assessing defense-in-depth adequacy and establishing hypothetical major accidents to evaluate.

cc: Chairman Hanson
Commissioner Baran
Commissioner Wright
OGC
CFO
OCA
OPA
ODs, RAs, ACRS, ASLBP
PDR