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

July 13, 2022

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