



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

July 2, 2019

SECRETARY

MEMORANDUM TO: Margaret M. Doane
Executive Director for Operations

FROM: Denise L. McGovern, Acting Secretary *DL McGovern*

SUBJECT: STAFF REQUIREMENTS – SECY-19-0036 – APPLICATION OF
THE SINGLE FAILURE CRITERION TO NUSCALE POWER
LLC'S INADVERTENT ACTUATION BLOCK VALVES

The Commission has disapproved the staff's recommendation. The staff should review Chapter 15 of the NuScale Design Certification Application without assuming a single active failure of the inadvertent actuation block valve to close. This approach is consistent with the Commission's safety goal policy and associated core damage and large release frequency goals and existing Commission direction on the use of risk-informed decision-making, as articulated in the 1995 Policy Statement on the Use of Probabilistic Risk Assessment Methods in Nuclear Regulatory Activities and the White Paper on Risk-Informed and Performance-Based Regulation (in SRM-SECY-98-0144 and Yellow Announcement 99-019). In any licensing review or other regulatory decision, the staff should apply risk-informed principles when strict, prescriptive application of deterministic criteria such as the single failure criterion is unnecessary to provide for reasonable assurance of adequate protection of public health and safety.

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