

This page provides an abstract, justification, and target dates for a potential rule that the U.S. Nuclear Regulatory Commission (NRC) has prioritized in its Common Prioritization of Rulemaking listing.

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Performance-Based Emergency Core Cooling System Acceptance Criteria (Rev. 2)				
Abstract				
This rulemaking would amend the regulations in Title 10 of the <i>Code of Federal Regulations</i> (10 CFR) 50.46 that specify the fuel cladding acceptance criteria for emergency core cooling system (ECCS) loss-of-coolant accidents (LOCA) evaluations. The proposed ECCS acceptance criteria are performance-based, and reflect recent research findings that identified new embrittlement mechanisms for fuel rods with zirconium alloy cladding under LOCA conditions. Addresses PRM-50-71 and PRM-50-84. Previously titled "50.46b Fuel Cladding." This rule would also contain a risk-informed alternative to address the effects of debris in the long-term.				
Justification				
The rule scores 45 points (20, 10, 10, 5) because of the following reasons: A) Significant contributor toward the safety goal (strategies 1 and 2); B) Significant contributor to the regulatory effectiveness goal (strategies 1 and 2); C) Commission direction in SRM-SECY-02-0057; and D) Resolves PRM-50-71 and PRM-50-84 and there is significant interest in this rule from the public.				
Start Dates	Reg Basis Completed	PR Sent to Comm/EDO	FR Sent to Comm/EDO	Publication Date
03/31/2003	05/30/2008	03/01/2012	02/29/2016	03/01/2017