

From: Lyon, Fred
Sent: Friday, February 17, 2012 2:44 PM
To: 'Shea, Joseph W'
Cc: 'Stacy, Kara Morgan'; Campbell, Stephen; Milano, Patrick; Poole, Justin
Subject: 10 CFR 50.54(f) Letter Courtesy Copies RE Thermal Conductivity Degradation

Joe, as I mentioned,

On Thursday, February 16, 2012, the Nuclear Regulatory Commission (NRC) staff issued 10 CFR 50.54(f) letters to plants that use Westinghouse realistic emergency core cooling system (ECCS) methods (ASTRUM or CQD) and have a peak cladding temperature (PCT) greater than 2000 degrees F. The letters required that the plants listed below provide information regarding the effect of a potentially significant error, as defined in 10 CFR 50.46(a)(3)(i), associated with thermal conductivity degradation (TCD), on peak cladding temperature in the Westinghouse Electric Company-furnished realistic ECCS evaluation models, to enable the NRC staff to determine whether the affected plant licenses should be modified, suspended, or revoked. A list of plants that received the 10 CFR 50.54(f) letters and ADAMS Accession number is below:

Beaver Valley, Units 1 and 2 - ML120400672
DC Cook, Units 1 and 2 - ML12041A384
Kewaunee - ML120410195
Byron, Unit 2 / Braidwood, Unit 2 - ML120410134
Catawba, Units 1 and 2 - ML12044A018
McGuire, Units 1 and 2 - ML12044A019

You are receiving this information for awareness since Watts Bar Unit 1 uses the Westinghouse realistic ECCS methods (ASTRUM or CQD) but have a PCT less than 2000 degrees F. Information Notice 2011-21, Realistic Emergency Core Cooling System Evaluation Model Effects Resulting From Nuclear Fuel Thermal Conductivity Degradation, provides additional technical details on this issue.

Thanks, Fred