

**From:** Singal, Balwant  
**Sent:** Tuesday, February 21, 2012 8:22 AM  
**To:** 'Hope, Timothy'  
**Cc:** Paige, Jason  
**Subject:** 10 CFR 50.54(f) Letters to Plants Using Westinghouse Realistic Emergency Core Cooling System (ECCS) Methods (ASTRUM or CQD)

On Thursday, February 16, 2012, the Nuclear Regulatory Commission (NRC) staff issued Title 10 of the Code of Federal Regulations (10 CFR), Paragraph 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 – ADAMS Accession No. ML120400672  
DC Cook, Units 1 and 2 - ADAMS Accession No. ML12041A384  
Kewaunee - ADAMS Accession No. ML120410195  
Byron, Unit 2 / Braidwood, Unit 2 - ADAMS Accession No. ML120410134  
Catawba, Units 1 and 2 - ADAMS Accession No. ML12044A018  
McGuire, Units 1 and 2 - ADAMS Accession No. ML12044A019

You are receiving this information for awareness since Comanche Peak Nuclear Power Plants, Units 1 and 2 use 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.

Balwant K. Singal  
Senior Project Manager (Comanche Peak, STP, and Palo Verde)  
Nuclear Regulatory Commission  
Division of Operating Reactor Licensing  
[Balwant.Singal@nrc.gov](mailto:Balwant.Singal@nrc.gov)  
Tel: (301) 415-3016  
Fax: (301) 415-1222

