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SUBJECT: Requests NRC approval to use UNS06052 filler metal to repair CRDM nozzle cracks at ONS Unit 2 in event that flaws detected which would require subsequent repair.

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DUKE POWER

October 10, 1994

U.S. Nuclear Regulatory Commission
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Washington, D.C. 20555

Approval to use UNS N06052 Filler Metal in accordance with ASME
Code Case 2142 to repair CRDM nozzle cracks
Oconee Nuclear Station Unit (ONS) 2.
Docket 50-270

Gentlemen:

This docket is submitted to request your approval to use UNS06052 Filler Metal to repair CRDM nozzle cracks at Oconee Nuclear Station (ONS) Unit 2 in the event that flaws are detected which would require subsequent repair. It is our intent to use UNS06052 Ni-Cr-Fe welding filler metal in accordance with ASME Code Case 2142. Code Case 2142 was approved by ASME on November 25, 1992. The Code Case provides case rules for ASME Section IX.

UNS06052 Ni-Cr-Fe welding filler metal is selected for CRDM nozzle crack repairs on the basis that this alloy provides adequate mechanical properties and metallurgical compatibility for this type of repair and provides superior resistance to Pure Water Stress Corrosion Cracking (PWSCC) when compared to UNS06082 welding filler metal.

If you have any questions or comments regarding this approval request, please contact David Nix (ONS) at (803) 885-3634.

Sincerely,

J. W. Hampton
Site Vice President

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U.S. Nuclear Regulatory Commission
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