

January 28, 2008

Mr. J. R. Morris
Site Vice President
Catawba Nuclear Station
Duke Power Company LLC
4800 Concord Road
York, SC 29745

SUBJECT: CATAWBA NUCLEAR STATION, UNITS 1 AND 2 REGARDING POST-LOSS
OF COOLING ACCIDENT LONG TERM COOLING MODELS (TAC NOS.
MD4661 AND 4662)

Dear Mr. Morris:

By letter dated January 8, 2007, Duke Power Company (the licensee) submitted information regarding post-loss of cooling accident (LOCA) long-term cooling models, specifically those dealing with precluding boron precipitation. The licensee provided this information in response to the Nuclear Regulatory Commission (NRC) letter dated November 23, 2005. The November 23, 2005 letter, suspended the of NRC approval for use of Westionhouse Topical Report CENPD-254-P, Post LOCA Long Term Cooling Model, due to the discovery of the use of non-conservative modeling assumption during an NRC audit. The licensee stated in the January 8, 2007, letter that Catawba Nuclear Station Unints 1 and 2 (Catawba 1 and 2) do not rely on the methodology outline in Westionhouse Topical Report CENPD-254-P. The licensee stated that similar analytical models have been used in the current licensing basis for Catawba 1 and 2 with respect to boron precipitation.

The NRC staff has reveived the information provided by the licnesees in the January 8, 2007, letter. During the course of the review the NRC staff requested additional information (RAI). By letter dated November 20, 2007, the licensee provided some of the information requested by the NRC staff. In the November 20, 2007, letter and in phone calls with Mr. Randell Hart of your staff it's the NRC staff understanding that Catawba 1 and 2 is working with industry to resolve the issues associated with boron precipitation evaluation methods, In addition the licensee is actively participating in the necessary industry projects. It is important to note that Catawba 1 and 2 is not unique relative to the rest of the industry regarding boron precipitation and the Catawba 1 and 2 analytical methodology is fundamentally similar to that used by other licensee. The licensee has committed to provide supplemental information specific to the Catawba 1 and 2 analyses of record to ensure the NRC has a full understanding of the Catawba analyses.

J. Morris

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Based on the above this will complete the NRC staff efforts under TAC NOS. MD4661 and MD4662. The NRC staff will review the licensee's methodology regarding boron precipitation evaluation methods when the NRC staff receives the licensee's supplemental information

Sincerely,

/RA/

John Stang, Senior Project Manager
Plant Licensing Branch II-1
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. 50-413 and 50-414

cc w/encls: See next page

J. Morris

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Sincerely,

/RA/

John Stang, Senior Project Manager
Plant Licensing Branch II-1
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. 50-413 and 50-414

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OFFICE	NRR/LPL2-1/PM	NRR/LPL2-1/LA	NRR/LPL2-1/BC (A)
NAME	JStang	MO'Brien	MWong
DATE	1/28/08	1/28/08	1/28/08

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cc:

Site Vice President
Catawba Nuclear Station
Duke Power Company, LLC
4800 Concord Road
York, SC 29745

Associate General Counsel and Managing
Attorney
Duke Energy Carolinas, LLC
526 South Church Street - EC07H
Charlotte, North Carolina 28202

Regulatory Compliance
Duke Energy Corporation
4800 Concord Road
York, South Carolina 29745

North Carolina Municipal Power
Agency Number 1
1427 Meadowwood Boulevard
P.O. Box 29513
Raleigh, North Carolina 27626

County Manager of York County
York County Courthouse
York, South Carolina 29745

Piedmont Municipal Power Agency
121 Village Drive
Greer, South Carolina 29651

Assistant Attorney General
North Carolina Department of Justice
P.O. Box 629
Raleigh, North Carolina 27602

NCEM REP Program Manager
4713 Mail Service Center
Raleigh, North Carolina 27699-4713

North Carolina Electric Membership Corp.
P.O. Box 27306
Raleigh, North Carolina 27611

Senior Resident Inspector
U.S. Nuclear Regulatory Commission
4830 Concord Road
York, South Carolina 29745

Assistant Director
Division of Waste Management
Bureau of Land and Waste Management
Dept. of Health and Environmental Control
2600 Bull Street
Columbia, South Carolina 29201-1708

Manager
Nuclear Regulatory Issues
and Industry Affairs
Duke Energy Corporation
526 South Church Street
Mail Stop EC05P
Charlotte, North Carolina 28202

Saluda River Electric
P.O. Box 929
Laurens, South Carolina 29360

Vice President
Customer Relations and Sales
Westinghouse Electric Company
6000 Fairview Road
12th Floor
Charlotte, North Carolina 28210

Owners Group (NCEMC)
Duke Energy Corporation
4800 Concord Road
York, South Carolina 29745

Senior Counsel
Duke Energy Carolinas, LLC
526 South Church Street - EC07H
Charlotte, NC 28202

cc:

Division of Radiation Protection
NC Dept. of Environment, Health,
and Natural Resources
3825 Barrett Drive
Raleigh, North Carolina 27609-7721

Group Vice President, Nuclear Generation
and Chief Nuclear Officer
P.O. Box 1006-EC07H
Charlotte, NC 28201-1006