

November 10, 2003

Mr. Peter E. Katz
Vice President Nine Mile Point
Nine Mile Point Nuclear Station, LLC
P.O. Box 63
Lycoming, NY 13093

SUBJECT: NINE MILE POINT NUCLEAR STATION, UNIT NO. 2 - REQUEST FOR
ADDITIONAL INFORMATION - AMENDMENT APPLICATION RE: ULTIMATE
HEAT SINK TEMPERATURE REQUIREMENTS (TAC NO. MC0594)

Dear Mr. Katz:

The Nuclear Regulatory Commission (NRC) staff is reviewing the subject proposed amendment, requested by your application dated August 22, 2003. On October 24, 2003, we held a telephone conference with Mr. John Dosa, et al., of your staff, on comments we previously e-mailed to your staff (available in the Agencywide Documents Access and Management System under Accession No. ML032830009). Participants agreed that a formal request for additional information (RAI) be issued. Enclosed please find the RAI. Your staff agreed that it can respond before January 15, 2004.

If you have any questions, please call me at 301-415-1451.

Sincerely,

/RA/

Peter S. Tam, Senior Project Manager, Section 1
Project Directorate I
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket No. 50-410

Enclosure: As stated

cc w/encl: See next page

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REQUEST FOR ADDITIONAL INFORMATION
NINE MILE POINT NUCLEAR STATION, UNIT NO. 2
AMENDMENT APPLICATION REGARDING
ULTIMATE HEAT SINK TEMPERATURE REQUIREMENTS

Reference: Letter, P. E. Katz of Nine Mile Point Nuclear Station, LLC, to Nuclear Regulatory Commission, August 22, 2003.

- (1) At worst-case current licensing basis conditions with an ultimate heat sink (UHS) temperature of 84 °F, what temperatures are expected in the cooling system of the emergency diesel generators (EDGs), and what are the associated limits?
- (2) What is the peak suppression pool temperature following a main steam line isolation transient from 100% power coincident with a loss of offsite power assuming a UHS temperature of 84 °F? Describe how the residual heat removal system heat exchanger tube plugging limit described in the submittal is administratively controlled.
- (3) The application is worded in such a way that it is not clear that analyses at the proposed UHS temperature of 84 °F were performed for various systems and parameters. It appears that, in most cases, a conclusion of acceptability was based on margin at the current UHS temperature. Please verify that analyses were performed at the proposed higher temperature and that the conclusions in the application remain valid at the higher temperature for the following. Note, that there is no need to submit the analyses; simple statements that analyses were done would suffice.
 - a. EDG building heating, ventilation, and air conditioning
 - b. Control building safety-related area coolers
 - c. The maximum post-LOCA peak suppression pool temperature
 - d. Reactor building supply air cooler
 - e. Reactor core isolation room unit coolers
 - f. Turbine building closed loop cooling system.

Enclosure

Nine Mile Point Nuclear Station, Unit No. 2

cc:

Regional Administrator, Region I
U. S. Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, PA 19406

Resident Inspector
Nine Mile Point Nuclear Station
P.O. Box 126
Lycoming, NY 13093

Mr. James R. Evans
LIPA
P.O. Box 129
Lycoming, NY 10393

Supervisor
Town of Scriba
Route 8, Box 382
Oswego, NY 13126

Mr. Paul D. Eddy
Electric Division
NYS Department of Public Service
Agency Building 3
Empire State Plaza
Albany, NY 12223

Charles Donaldson, Esquire
Assistant Attorney General
New York Department of Law
120 Broadway
New York, NY 10271

C. Adrienne Rhodes
Chairman and Executive Director
State Consumer Protection Board
5 Empire State Plaza, Suite 2101
Albany, NY 12223-1556

Mark J. Wetterhahn, Esquire
Winston & Strawn
1400 L Street, NW.
Washington, DC 20005-3502

Mr. Michael J. Wallace
President
Nine Mile Point Nuclear Station, LLC
c/o Constellation Energy Group
750 East Pratt Street
Baltimore, MD 21202

James M. Petro, Jr., Esquire
Counsel
Constellation Energy Group, Inc.
750 East Pratt Street, 5th Floor
Baltimore, MD 21202

Mr. William M. Flynn, President
New York State Energy, Research,
and Development Authority
17 Columbia Circle
Albany, NY 12203-6399