Entergy

Entergy Nuclear Northeast
Indian Point Energy Center
450 Broadway, GSB
P.O. Box 249
Buchanan, NY 10511-0249
Tel 914 734 6700

Fred Dacimo
Site Vice President
Administration

July 2, 2004

Re: Indian Point Unit No. 2
Docket No. 50-247
NL-04-081

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555-0001

SUBJECT: **Proposed Schedule for Reanalysis of Large Break Loss of Coolant Accident**

References:
1. Consolidated Edison letter to NRC (NL-01-040), "Indian Point Unit 2 30-day and Annual 10CFR50.46 Report," dated April 10, 2001.
2. Entergy letter to NRC (NL-02-057), "Annual 10CFR50.46 Report for Indian Point 2," dated April 24, 2002.
3. Entergy letter to NRC (NL-03-111), "Annual 10CFR50.46 Report for Year 2002 Emergency Core Cooling System Evaluation Changes," dated June 24, 2003.

Dear Sir:

Entergy Nuclear Operations, Inc (Entergy) is proposing to perform a reanalysis of the Large Break Loss of Coolant Accident (LBLOCA) for Indian Point Unit 2 (IP2). A 30-day report, previously submitted for IP2 (Reference 1) pursuant to 10CFR50.46(a)(3)(ii) documented peak clad temperature (PCT) changes greater than 50°F. Based on an assessment of the reported changes and as stated in reference 1, a reanalysis was not required. The subsequent annual reports (References 2 and 3) did not change that conclusion for the current licensed power level of 3114.4 MWt.

Entergy is now proposing to perform a reanalysis of LBLOCA at a power level of 3216 MWt using the Advanced Statistical Treatment of Uncertainties Method (ASTRUM). The statistical analysis will be performed for an upgraded fuel design and will include a calorimetric measurement uncertainty of 2%. A transitional assessment will be performed to evaluate the intermediate fuel cycles when the current fuel design is being phased out and replaced with the upgraded fuel

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design. This assessment may result in PCT rackup line items that will be tracked and reported in accordance with 10CFR50.46. Entergy is committing to complete the analysis by April 29, 2005.

The commitment being made in this submittal is stated in Attachment I. If you have any questions or require additional information, please contact Mr. Kevin Kingsley at 914-734-6695.

Sincerely,

for.

Fred R. Dacimo
Site Vice President
Indian Point Energy Center

cc: Mr. Patrick D. Milano, Senior Project Manager
Project Directorate I,
Division of Reactor Projects I/II
U.S. Nuclear Regulatory Commission
Mail Stop O 8 C2
Washington, DC 20555

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

Resident Inspector's Office
Indian Point Unit 2
U.S. Nuclear Regulatory Commission
P.O. Box 59
Buchanan, NY 10511

Mr. Peter R. Smith, President
New York State Energy, Research and
Development Authority
17 Columbia Circle
Albany, NY 12203-6399

Mr. Paul Eddy
New York State Dept. of Public Service
3 Empire Plaza
Albany, NY 12223

ATTACHMENT I TO NL-04-081

COMMITMENT REGARDING REANALYSIS OF LBLOCA FOR IP2

Number	Commitment	Due Date
NL-04-081-COA	Entergy is now proposing to perform a reanalysis of LBLOCA at a power level of 3216 MWt using the Advanced Statistical Treatment of Uncertainties Method (ASTRUM). The statistical analysis will be performed for an upgraded fuel design and will include a calorimetric measurement uncertainty of 2%. A transitional assessment will be performed to evaluate the intermediate fuel cycles when the current fuel design is being phased out and replaced with the upgraded fuel design.	April 29, 2005