

November 3, 2005

Mr. Christopher M. Crane, President  
Exelon Nuclear  
Exelon Generation Company, LLC  
4300 Winfield Road  
Warrenville, IL 60555

SUBJECT: DRESDEN NUCLEAR POWER STATION, UNITS 2 AND 3 - REQUEST FOR  
ADDITIONAL INFORMATION (RAI) RE: TECHNICAL SPECIFICATION  
CHANGES RELATED TO OFFSITE POWER INSTRUMENTATION AND  
VOLTAGE CONTROL (TAC NOS. MC6712 AND MC6713)

Dear Mr. Crane:

By letter dated April 4, 2005, Exelon Generation Company submitted an amendment request that proposed to revise the maximum and minimum allowable values for the degraded voltage function of the 4160 volt essential service system bus under-voltage instrumentation at Dresden Nuclear Power Station (Dresden), Units 2 and 3. This was found necessary to implement the automatic load tap changers on offsite power transformers at Dresden.

To support the NRC review of the amendment request, the staff has identified a need for additional information. The request for additional information was discussed with your staff during a phone call on October 14, 2005. We request Exelon to submit a response to the questions that are enclosed. Based on discussions with your staff, NRC anticipates responses to the attached request for additional information by January 18, 2006. If you have any questions, please contact me at (301) 415-2277.

Sincerely,

***/RA by S.Imboden for/***

Maitri Banerjee, Senior Project Manager, Section 2  
Project Directorate III  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket Nos. 50-237 and 50-249

Enclosure: Request for Additional Information

cc w/encls: See next page

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DATE	10/26/05	11/3/05	11/2/05	11/1/05	11/3/05

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## Dresden Nuclear Power Units 2 and 3

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REQUEST FOR ADDITIONAL INFORMATION (RAI)  
DRESDEN NUCLEAR POWER STATION, UNITS 2 AND 3  
LICENSE AMENDMENT APPLICATION - OFFSITE POWER INSTRUMENTATION AND  
VOLTAGE CONTROL  
DOCKET NO. 50-237 AND 50-249

1. Describe what testing will be performed on the automatic load tap changer (LTC) transformers to demonstrate functionality. (1.d)
2. What is the response time of the LTC transformers (i.e., how fast can a tap change occur) and in the event of a voltage dip, how responsive will the LTC be in preventing a trip of the degraded voltage relays? (2.a)
3. Provide the setpoint methodology with setpoint calculation used at Dresden to establish the allowable value (AV), trip setpoint, as-left (value) tolerance band, and as-found (value) tolerance band. (2.b)
4. Discuss the channel calibration procedure and channel operational test procedure. Include in your discussion how the technical specification (TS) surveillances ensure the operability of the instrument channel. (2.b)
5. Explain why this amendment request is not applicable to the TS requirements of 10 CFR 50.36 related to limiting safety system settings. (2.g)

RAI CATEGORIES (NRC Project Manager selected one of these categories for each of the above RAIs. If licensee disagrees with category assigned, please discuss with NRC Project Manager.)

1. More information is needed because of:
  - a. complexity of request
  - b. first-of-a-kind nature of request
  - c. NRC change in regulatory significance or focus
  - d. NRC questions on previously used methodology or guidance
  - e. licensee change to previously used methodology
  - f. licensee reduction in current safety margin

ENCLOSURE

2. The review can not be completed without additional explanation or clarification of:
  - a. input variables or analytical assumptions
  - b. methodology used or results obtained
  - c. applicability or bounding nature of third party analyses or data correlations
  - d. differences from NRC guidance documents (SRP, RG, etc.)
  - e. no significant hazards consideration discussion
  - f. environmental considerations discussion
  - g. applicable regulatory requirements discussion
  - h. information that appears to be incorrect and needs to be corrected
  - i. response to previous RAI appears inadequate
3. Reviewer requesting information even though the question is, or the question asks for:
  - a. not directly related to the request
  - b. inconsistent with applicable codes, standards, RGs, or SRP sections
  - c. information accessible from readily available sources and was explicitly referenced
  - d. Information does not appear needed given the precedent cases discussed in the request
  - e. information that is not safety significant or pertinent to the regulatory finding
  - f. information that is known to engineers who work in the general technical area
  - g. going beyond the current licensing basis and doesn't need to be asked
  - h. a formal commitment
4. Other (please specify)