December 9, 1996

Ms. Irene Johnson, Acting Manager
Nuclear Regulatory Services
Commonwealth Edison Company
Executive Towers West III
1400 Opus Place, Suite 500
Downers Grove, IL 60515

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION (TAC NOS. M96898, M96899, M96900 AND M96901)

Dear Ms. Johnson:

In a letter dated September 20, 1996, Commonwealth Edison Company proposed amendments to the Technical Specifications for both Dresden, Units 2 and 3, and Quad Cities, Units 1 and 2, to update the Pressure Temperature (P-T) curves. In order to complete our review of the proposed amendments, additional information is required. Please provide a response to the enclosed Request for Additional Information (RAI) within 30 days after receipt of this letter, to allow the staff adequate time to evaluate the proposed amendment requests and issue the amendments prior to February 20, 1997. Any questions concerning this issue please contact me at (301) 415-1345.

Sincerely,

Original signed by:

John F. Stang, Senior Project Manager
Project Directorate III-2
Division of Reactor Projects - III/IV
Office of Nuclear Reactor Regulation

Docket Nos. 50-237, 50-249, 50-254, 50-265

Enclosure: RAI

cc w/encl: see next page

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REQUEST FOR ADDITIONAL INFORMATION CONCERNING THE

PROPOSED AMENDMENTS ASSOCIATED WITH THE PRESSURE TEMPERATURE CURVES

COMMONWEALTH EDISON COMPANY

DRESDEN NUCLEAR POWER STATION, UNITS 2 AND 3, AND

QUAD CITIES NUCLEAR POWER STATION, UNITS 1 AND 2

DOCKET NOS. 50-237, 50-249, 50-254 AND 50-265

1) By teleconference conducted on November 26, 1996, the licensee indicated that there was no traceability of beltline welds fabricated using the electroslag process to specific weld wire heat numbers. The electroslag welds in the Dresden, Units 2 and 3, and Quad Cities, Units 1 and 2, beltlines are identified in the submittal dated September 20, 1996. For all beltline welds fabricated using the electroslag welding process, identify the weld wire heat numbers and "PQ" numbers that could have been used to fabricate the welds.

2) Provide the best-estimate percent copper for the beltline welds fabricated using the electroslag process using one of the following methods (per 10 CFR 50.61,(c)(1)(iv)(A)):

   a) The best estimate is the mean of the measured values for a weld deposit made using the same weld wire heat number as the critical vessel weld,

   b) If these values are not available, upper limiting values given in the materials specification to which the vessel material was fabricated may be used,

   c) If not available, conservative estimates (mean plus one standard deviation based on generic data[1]) may be used if justification is provided,

   d) If none of the above are available, 0.35% copper and 1.00% nickel may be used.

3) If best-estimate chemistry is determined generically, explain the relationship between the information provided in Question 1 and the data used to determine the generic best-estimate chemistry values.

4) Provide the neutron fluence (ID and 1/4T locations) for 22 EFPY. Also, provide the EFPY for each unit on January 1, 1997.

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[1]Data from reactor vessels fabricated to the same material specification in the same shop as the vessel in question and in the same time period is an example of "generic data."

ENCLOSURE

5) The following discrepancies exist when comparing the chemistry values in Tables C-1 through C-4 of the submittal to Attachment B of the Letter from M. A. Jackson (CECo) to T. E. Murley (USNRC), Subject: Dresden Station Units 2 and 3; Quad Cities Station Units 1 and 2; LaSalle County Station Units 1 and 2, July 1, 1992 (note: these discrepancies do not seem to result from updates due to any specific evaluations). For each of the following materials, provide the explanation for the chemistry values used in the submittal:

a) Dresden 2 Lower Shell Plate Heat A9128-2: the July 1, 1992, letter has Ni = 0.45, the current submittal has Ni = 0.55.

b) Dresden 2 Lower Shell Plate Heat B3990-2: the July 1, 1992, letter has Ni = 0.42, the current submittal has Ni = 0.51.

c) Dresden 2 Lower Shell Plate Heat A9128-1: the July 1, 1992, letter has Ni = 0.45, the current submittal has Ni = 0.55.

d) Dresden 2 Lower Int. Shell Plate Heat B4065-1: the July 1, 1992, letter has Ni = 0.52, the current submittal has Ni = 0.55.

e) Dresden 2 Lower Int. Shell Plate Heat B4030-1: the July 1, 1992, letter has Ni = 0.55, the current submittal has Ni = 0.59.

f) Dresden 2 Lower Int. Shell Plate Heat B4030-2: the July 1, 1992, letter has Ni = 0.55, the current submittal has Ni = 0.58.

g) Dresden 2 Lower Int. Shell Axial Welds Heat 1P0815: the July 1, 1992, letter has Cu = 0.12, the current submittal has Cu = 0.17.

h) Dresden 2 Lower Shell Axial Welds Heat 1P0815: the July 1, 1992, letter has Cu = 0.25 and Ni = 0.48, the current submittal has Cu = 0.17 and Ni = 0.52.

i) Dresden 2 Lower Int./Lower Shell Circ. Weld Heat 71249: the July 1, 1992, letter has Cu = 0.21, the current submittal has Cu = 0.26.

j) Dresden 3 Lower Int./Lower Shell Circ. Welds Heat 299L44: the July 1, 1992, letter has Cu = 0.29 and Ni = 0.72, the current submittal has Cu = 0.35 and Ni = 0.68.

k) Quad Cities 1 Lower Int./Lower Shell Circ. Weld Heat 72445: the July 1, 1992, letter has Cu = 0.10, the current submittal has Cu = 0.21.

l) Quad Cities 1 Lower Int./Lower Shell Circ. Weld Heat 406L44: the July 1, 1992, letter has Cu = 0.22, the current submittal has Cu = 0.31.

6) It should be noted that Attachment B of the above mentioned July 1, 1992, letter from M. A. Jackson (CECo) to T. E. Murley (USNRC), uses the weld procedure qualification number (i.e., PQ2563) as the designator for the heat ID. For Quad Cities 1, the letter lists additional ESW welds that Table C-3 in the submittal does not show. In addition, the submittal does not associate heat IDs with the ESW welds for Dresden and Quad Cities. The additional beltline welds are identified as Lower and Lower Int. Axial Welds. Verify whether or not these welds exist in the Quad Cities 1 beltline. If they do exist, provide the information requested in Questions 1 and 2.

7) Based on the response to the above questions, provide the adjusted reference temperature for the limiting materials in Dresden, Units 2 and 3, and Quad Cities, Units 1 and 2, at the expiration of the P-T limits. If responses to the above questions result in an adjusted reference temperature greater than that used in the P-T limits, provide revised P-T limits, or adjust the expiration of the proposed P-T limits accordingly.