



Commonwealth Edison  
1400 Opus Place  
Downers Grove, Illinois 60515

May 28, 1993

Dr. Thomas E. Murley, Director  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Attn: Document Control Desk

Subject: Dresden Nuclear Power Station Units 2 and 3  
Quad Cities Nuclear Power Station Units 1 and 2  
Reclassification of two Recirculation Case Stainless  
Steel Pump-to-Cast Stainless Steel Elbow Welds  
[TAC Nos. M84505, M84506, M84507, M84508]  
NRC Docket Nos. 50-237/249 and 50-254/265

References: (a) P. Piet letter to T. Murley, dated September 2, 1992.  
(b) P. Piet letter to T. Murley, dated October 14, 1992.

Dear Dr. Murley:

The purpose of this letter is to provide follow-up information as documented in References (a) and (b) concerning Commonwealth Edison Company's (CECo) proposal to re-classify two (2) Recirculation welds per unit to Category A welds per Generic Letter 88-01. As stated in Reference (b), the measured FN values were not available for the subject welds in Dresden Unit 2 and Quad Cities Unit 1 during plant operation. Therefore, CECo committed (Reference (b)) to provide the following data after the recent refueling outages at Quad Cities and Dresden Station (D2R13 and Q1R12):

- measure the FN value of each elbow, weld, and pump casing
- provide the carbon content from the Certified Materials Test Report (CMTR);

The measured FN values and the carbon content from available CMTRs shown on the attachment exhibit resistance to IGSCC. Therefore, the data supports the re-classification of the subject welds to Category A, with the exception of the weld on the B Recirculation Loop on Dresden Unit 2. Because of the low measured FN data and the high carbon content, CECo is evaluating

9306080012 930528  
PDR ADDCK 05000237  
P PDR

ADD

Dr. Murley

- 2 -

May 28, 1993

alternatives to support the re-classification of this weld to a more appropriate higher classification. In the interim, the 2B Recirculation Loop weld for Dresden Unit 2 will remain classified as Category G. If the results of CECo's evaluation support re-classification of the subject weld on the B Recirculation Loop on Dresden Unit 2 to a higher classification, CECo will notify the NRC Staff and request approval of our proposed technique prior to the commencement of the upcoming refuel outage (D2R14) for Dresden Unit 2. This schedule was discussed during a teleconference held between members of CECo and the NRC Staff (B. Siegel, W. Koo, et al.) on September 29, 1992 and found to be acceptable.

Please contact this office should further information be required.

Sincerely,

A handwritten signature in black ink, appearing to read "Peter L. Piet". The signature is stylized with large, sweeping loops.

Peter L. Piet  
Nuclear Licensing Administrator

Attachment

cc: A.B. Davis, Regional Administrator - RIII  
J.F. Stang, Project Manager - NRR  
C.P. Patel, Project Manager - NRR  
M.N. Leach, Senior Resident Inspector - Dresden  
T. Taylor, Senior Resident Inspector - Quad Cities  
W. Koo - NRR

**ATTACHMENT**

**Re-classification of two Recirculation Cast Stainless Steel Pump-to-Cast Elbow Welds**

<b>Dresden Unit 2</b>	<b>FN (Measured)</b>	<b>Carbon Content (% from CMTR)</b>
Pump 2A [U# 661-S-0830], Casing S/N 3814, Heat No. 3491	15-20	0.05
Weld 2A	10-15	Not available
Elbow 2A [U# 661-S-0830], Elbow S/N 4124, Heat No. 3767	10-15	0.07
Pump 2B [U# 651-S-0831], Casing S/N 3813, Heat No. 3465	< 5	0.09
Weld 2B	10-15 & 15-20	Not available
Elbow 2B [U# 651-S-0831], Elbow S/N 3977, Heat No. 3465	5-7.5 & 7.5-10	0.09
<b>QUAD CITIES UNIT 1</b>	<b>FN (Measured)</b>	<b>Carbon Content (% From CMTR)</b>
Pump 1A [U# 661-S-1161], Casing S/N 4591, Heat No. 1084	15-20	0.05
Weld 1A	15-20	Not available
Elbow 1A [U# 661-S-1161], Elbow S/N 4676, Heat No. 6036	15-20	0.04
Pump 1B [U# 661-S-1162], Casing S/N 4593, Heat No. 6036	15-20	0.04
Weld 1B	15-20	Not available
Elbow 1B [U# 661-S-1162], Elbow S/N 4678, Heat No. 1102	> 20	0.04