C F BRAUN & CO Engineering and Construction Subsidiary of Santa Fe International Corporation

November 24, 1982

B R Shelton
Commonwealth Edison Co
SNED-35 FNB
P O Box 767
Chicago, IL 60690

BL-26

Dear Mr. Shelton

ADDITIONAL MATERIAL TESTS
LA SALLE STATION
ADVANCE PURCHASE ORDER 805-023
BRAUN PROJECT 6356-N

On November 19, we received additional material sampling data from the Nuclear Regulatory Commission Region III office to supplement the material addressed in Section 5.3 MATERIAL of the October 27, 1982, Independent HVAC Review Final Report. The data has been reviewed by our welding and material specialists. His comments, and a copy of the information received from the NRC Region III office, are attached.

Our specialist agrees with, or has no comment on, the NRC data. For attachments 4, 5 & 6 "No substantive comments" means that the information in the letters is technically correct but there are some editorial corrections. For example, 163° pyramid indenter should be 136° per ASTM E92.

Sincerely yours

AJK df

Andrew J Kempiak
Project Manager

Dr. A Bournia
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555
NR C Docket Nos. 50-373/374

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C F BRAUN & CO A Subsidiary of Santa Fe International Corporation

Date NOVEMBER 23, 1982

To ANDY KEMPIAK
POWER DIVISION

From LEONARD BOYD
RESEARCH

On 6356-N, COMMONWEALTH EDISON, LA SALLE 1, MATERIAL PROPERTIES

On November 19 the U S Nuclear Regulatory Commission's (USNRC) Region III office telecopied data from their material sampling program that was not included in their transmittal to C F Braun on October 7. Copies of the six documents are attached. The identification of the documents and my comments are listed below.

ATTACHMENT 1
1 Page

Letter dated November 19 from US NRC, C E Cornelius, to C F Braun, W L Stiebe, transmittal letter for other attachments.

No comment.

ATTACHMENT 2
6 pages

Sargent and Lundy Responses to NRC Region III "Questions on HVAC System"

Question 1 I agree with S & L's discussion of the effects of increased hardness of bolting material. Although the reported hardness of 287 Brinell is well above the maximum of 241 allowed for A307 Grade A bolts, it is near the middle of the range of 248 to 331 Brinell for A325, High-Strength Bolts for Structural Steel Joints. A325 is a commonly specified bolting material when higher strength is required.

Questions 2 and 3. No comments.

ATTACHMENT 3
4 pages

Results of Sample Analysis (56 samples)

My comments on the first 48 samples are contained in my pink letter to you dated October 13.*

Samples 49 and 50 conform to the chemical requirements for A575, Grade M1015, and are acceptable for use in accordance with ASTM A29, paragraph 4.3.1, because no misapplication is indicated.

Samples 51 through 56 are for A307 bolts and A563 nuts. The results shown are within the specification requirements.

*The first 48 samples are discussed in Section 5.3 MATERIAL and Appendix L of the final report.

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