

Docket Nos.: STN 50-546  
and STN 50-547

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NRC PDR  
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Public Service Company of Indiana  
P. O. Box 190  
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MRushbrook ACRS  
PO'Connor J. M. Taylor, IE  
DEisenhut/RPurple J. Gilray\* w/encl.: (2)  
Attorney, OELD

Dear Mr. Shields:

The enclosed letters to Commonwealth Edison (CECo) and the Byron Integrated Design Inspection (IDI) Report identify a number of quality assurance and design verification issues which relate to Byron and Braidwood Stations. Because the Marble Hill design replicates the Byron/Braidwood design and Public Service Company of Indiana and CECO utilize the same architect engineer, Sargent and Lundy, you should carefully review our letters and the IDI report, to determine whether the concerns identified at Byron are also problems at Marble Hill.

Within 90 days of receipt of this letter you should provide a response identifying the results of your review of the Byron/Braidwood concerns as they relate to Marble Hill's replication of these plants.

Sincerely,

Original signed by:

B. J. Youngblood

B. J. Youngblood, Chief  
Licensing Branch No. 1  
Division of Licensing

Enclosures:

1. Ltr to CReed, CECO fm DEisenhut, NRC  
dtd 10/12/83
2. Ltr to CReed, CECO fm RDeYoung, NRC  
dtd 09/30/83

cc: See next page

CONCURRENCES:

DL:LB#1 *pwo* DL:LB#1  
PO'Connor:es BJYoungblood  
10/18/83 10/19/83

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UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

Docket Nos.: STN 50-454, STN 50-455  
and STN 50-456, STN 50-457

Mr. Cordell Reed  
Vice President, Nuclear Operations  
Commonwealth Edison Company  
P. O. Box 767  
Chicago, Illinois 60690

Dear Mr. Reed:

Subject: Quality Assurance and Design Verification Programs for Byron  
Station, Unit 1

On May 4, 1983 members of the NRC staff met with representatives from Commonwealth Edison Company (CECo) to discuss whether the quality assurance and design verification programs are sufficient to ensure that Byron Station, Unit 1 is designed in accordance with the Final Safety Analysis Report (FSAR). The CECo correspondence dated May 11, 1983 documents your presentation at this meeting.

The following topics were discussed: self-evaluation of the Byron Station by the Institute of Nuclear Power Operations (INPO), Independent Design Verification of the LaSalle County Station, numerous audits conducted by CECo and its contractors, and certification by the American Society of Mechanical Engineers (ASME) concerning adequate design control. Also discussed were the many inspections performed by the NRC Office of Inspection and Enforcement (OIE), including the special inspection by Region III Construction Assessment Team and the two week audit by Region IV. As a result of these programs and the recent Integrated Design Inspection (50-454/83-32), we conclude that an independent design verification program does not appear necessary, but certain correcting actions are needed within your design program.

The Office of Inspection and Enforcement's September 30, 1983 letter to Commonwealth Edison Company requested that you respond in writing to certain recommendations, findings and unresolved items. It was also requested that the response should include your position, and the bases therefore, with respect to the necessity for conducting audits of design implementation in areas other than those audited by the inspection so as to assure yourself that deficiencies of similar importance either do not exist or are corrected. We request that your response to the generic implications of these issues address your program for Byron 1 and 2 as well as the Byron duplicate plants, Braidwood 1 & 2.

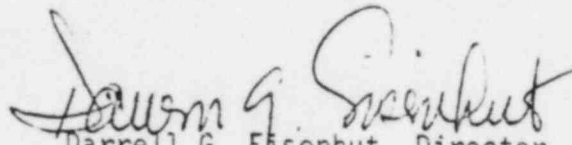
PDR

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Your position, and the bases therefore, with regard to the generic aspects of your program may be included in your response on the Intergrated Design Inspection to the NRC Region III Office, with the Division of Licensing included in your distribution of copies.

Sincerely,

  
Darrell G. Eisenhut, Director  
Division of Licensing

cc: See next page