

OCT 12 1983

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.

DIST:

Document Control (STN 50-454, STN 50-455)
(STN 50-456, STN 50-457)

NRC PDR
L PDR
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NSIC
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PDR ADOCK 05000454
Q PDR

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,

Original signed by
Darrell G. Eisenhut

Darrell G. Eisenhut, Director
Division of Licensing

cc: See next page

CONCURRENCES:

DL:LB#1	DL:LB#1	DL:LB#1	DE/DIR	IE:DIR	DL	RA:Reg III
LOlshan:es	BJYoungblood	TMNovak	RVollmer	RCDeYoung	DGEisenhut	JKeppler
10/6/83	10/6/83	10/6/83	10/ /83	10/11/83	10/11/83	10/11/83

Jad 10/12

See previous concurrence

Verbal concurrence 10/11/83

Verbal concurrence 10/11/83

Mr. Dennis L. Farrar
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Commonwealth Edison Company
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cc: Mr. William Kortier
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Docket No.: STN 50-454

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Commonwealth Edison Company
P. O. Box 767
Chicago, Illinois 60690

Dear Mr. Farrar:

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Unit 1

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We conclude that the programs CECo has undertaken, combined with the inspections and audits being conducted by the NRC, are sufficient to provide reasonable assurance that Byron Station, Unit 1, is designed in accordance with its FSAR.

Sincerely,

Darrell G. Eisenhut, Director
Division of Licensing
Office of Nuclear Reactor Regulation

cc: See next page

*SEE PREVIOUS ORC FOR CONCURRENCES

OFFICE	DL:LB#1 *	DL:LB#1 *	DL:AD/L *	DE:DIR	OIE	DL:DIR
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Division of Licensing
Office of Nuclear Reactor Regulation

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OFFICE	DL:LB#1	DL:LB#1	DL:AD	DE:DIR	OIE	DL:DIR
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DATE	05/26/83	05/26/83	5/3/83	1/83	1/83	1/83