



Commonwealth Edison
One First National Plaza, Chicago, Illinois
Address Reply to: Post Office Box 767
Chicago, Illinois 60690

TIC
CF

September 19, 1980

Mr. James G. Keppler, Director
Directorate of Inspection and
Enforcement - Region III
U.S. Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, IL 60137

Subject: Dresden Station Units 2 and 3
Quad Cities Station Units 1 and 2
Additional Response to IE Bulletin 80-17 and
80-17, Supplement 1
NRC Docket Nos. 50-237/249 and 50-254/265

Dear Mr. Keppler:

As requested by members of your Staff in previous telephone conversations, the following information relating to Item B.1 of IE Bulletin 80-17, Supplement 1, is provided:

1. Commonwealth Edison plans to install continuous water level monitoring of the scram discharge volumes (SDV) at Dresden 2, 3 and Quad Cities 1, 2 no later than December 1, 1980. This date is based on expected equipment delivery during the second week of November, 1980.
2. The installation of Item 1, above, will include, at least, indication and alarm in the control room.
3. In the interim, until the installations of Item 1, above, are complete and operational, surveillance of the SDV will include a check for water once per shift, with at least six hours between such checks.

In addition, our previous correspondence concerning IE Bulletin 80-17 did not include formal documentation of our completion of Item 6.C. Accordingly, enclosed for your records is a copy of our safety evaluation per 10 CFR 50.59 for the simultaneous operation of two standby liquid control pumps at Dresden 2, 3 and Quad Cities 1, 2. Additional supporting information addressing

8010100 250

Q

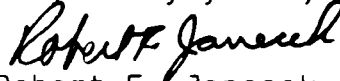
SEP 22 1980

Mr. James G. Keppler, Director
September 19, 1980
Page 2

pump NPSH, discharge line friction, and relief valve backpressure is also enclosed. Prior to any final modifications, a 2 pump operational test would have to be performed to demonstrate satisfactory operation.

Please address any questions concerning this matter to this office.

Very truly yours,



Robert F. Janecek
Nuclear Licensing Administrator
Boiling Water Reactors

Enclosure

cc: RIII Resident Inspector - Dresden
RIII Resident Inspector - Quad Cities
Director, Division of Reactor
Operations Inspection

SUBSCRIBED and SWORN to
before me this 19TH
day of September, 1980



Notary Public

6800A

Enclosure
Dresden Units 2/3
Quad Cities Units 1/2

Station Nuclear Engineering Department Review Required by
NRC IE Bulletin 80-17 Item 6C 50.59 Review of 2 Pump
Operation of Standby Liquid Control (SLCS)

1. Is the probability of an occurrence or the consequence of an accident, or malfunction of equipment important to safety as previously evaluated in the Final Safety Analysis Report increased?

Neither the probability of an occurrence nor the consequences of an accident would be increased by the simultaneous operation of both standby liquid control pumps.

2. Is the possibility for an accident or malfunction of a different type than any previously evaluated in the Final Safety Analysis Report created?

No. There would be no new accident or malfunction created since no single failure points would be added by the change to 2 pump operation and the system would still be started by an operator action.

3. Is the margin of safety, as defined in the basis for any Technical Specification, reduced?

No. The basis for the present Dresden and Quad Cities Technical Specification is that the SLCS system be capable of shutting down the reactor without the use of control rods and in a short enough time to override cool down effects. Two pump operation would therefore increase the margin of safety in that the reactor would be shutdown more quickly.

SARGENT & LUNDY
ENGINEERS
55 EAST MONROE STREET
CHICAGO, ILLINOIS 60603
TELEPHONE 312-269-2000

July 21, 1980
Project No. 5567-20

Commonwealth Edison Company
Dresden Station - Units 2&3
Quad-Cities Station - Units 1&2

NRC IE Bulletin 80-17

Mr. W. H. Koester
Station Nuclear Engineering Dept.
Commonwealth Edison Company
P. O. Box 767 - 35FNW
Chicago, Illinois 60690

Dear Mr. Koester:

As requested by Mr. T. A. Pickens, we have reviewed the hydraulics of the stand-by liquid control system for two pump operation.

Our calculation indicates that the NPSH for the pumps are satisfied, pump discharge line friction is acceptable and relief valve discharge line back pressure is within the original valve criteria.

We, therefore, concur with Commonwealth Edison's plan to modify the stand-by liquid control system so that two pumps are initiated.

If you have any questions, please contact me with reference to calculation QC-1-4.

Yours very truly,

T. J. VICTORINE

T. J. Victorine
Project Manager

TJV:cb
In duplicate
Copies:
T. A. Pickens
E. R. Weaver
F. W. Fischer

COPY

Messrs. C. Reed

J. S. Abel
 J. S. Bitel
 N. J. Kalivianakis
 N. A. Kershaw
 J. S. Scott
 W. M. Kiefer/A. F. Veras
 A. W. Kleinrath
 W. H. Koester
 T. Cihlar /G. E. Peterson
 J. P. McCluskey
 F. A. Palmer/Galle
 W. L. Stiede/G. P. Wagner
 W. J. Shewski
 B. B. Stephenson
 R. H. Holyoak
 Q. A. Engineer - SNED
 Off-Site Review

Quality Assurance Engineer - D
 Quality Assurance Engineer - OC
 P. Steptoe - IL&B
 R. J. Mazza - S&L
 G. Ross/R. Thomas
 M. E. Bray - GE
 R. T. Hill - GE
 J. W. McCumsey - GE
 K. H. Schafer - I-I
 N. E. Wandke - Region III
 Correspondence Only (D)
 J. White - Dresden Unit 1
 Correspondence Only
 G. Wright - State of Illinois
 A. D. Rossin
 J. Barker - (CECo. Corres.)
 N. Chrissotimos - (CECo. Corres.)

In the judgement of the Nuclear Licensing Administrator, the attached document contains the following commitments to the NRC or requirements from the NRC.

Identification of Attached Document: Dresden 2/3, Aerial Criteria 1/2 - Additional Response for IEB 80-17 Item 6.C) and Supplement 1 Item B1 (R.F. James letter to T.G. Kepples dated 9/17/80)

NRC Commitment or Requirement:

<u>Due Date</u>	<u>Commitment or Requirement</u>	<u>Responsible Edison Department</u>
12/1/80	Install SDV continuous water level monitor ^{including} and control room alarm and indication	SNED/Koester

When it is determined by the responsible department that a due date will not be met, the Nuclear Licensing Administrator should be notified immediately.

POOR ORIGINAL

K.J.