

DISTRIBUTION:
 AEC PDR (2)
 Docket Files (2) ←
 DR Reading
 DRL Reading
 BWR-2 Files (2)
 R. S. Boyd
 R. L. Tedesco
 M. Wetterhahn
 H. Steele (2)

JUL 27 1970

Docket Nos. 50-237
 and 50-249 ←

Mr. Leroy Stratton
 Bureau of Radiological Health
 Illinois Department of Health
 Springfield, Illinois 62706

Dear Mr. Stratton:

I am forwarding for your information one copy each of two letters, both dated July 17, 1970, from the Advisory Committee on Reactor Safeguards to the Chairman of the Atomic Energy Commission.

One letter relates to the Committee's review of furnace-sensitized stainless steel components in the primary system of the Dresden Nuclear Power Station Unit 2. The other letter concerns the Committee's review of Commonwealth Edison Company's application for a license to operate the Dresden Nuclear Power Station Unit 3.

Sincerely yours,

ORIGINAL SIGNED BY
 Peter A. Morris

Peter A. Morris, Director
 Division of Reactor Licensing

Enclosures:

1. ACRS ltr dtd 7/17/70
 on Dresden Unit 2
2. ACRS ltr dtd 7/17/70
 on Dresden Unit 3

3208

OFFICE ▶	DRL	DRL	DRL	DRL	
SURNAME ▶	HSteele/dj	RLTedesco	RSBoyd	PAMorris	ACRS
DATE ▶	7/27/70	7/27/70	7/27/70	7/27/70	

DISTRIBUTION:

AEC PDR (2)
Docket Files (2) ←
DRL Reading ←
BWR-2 Files (2)
R. S. Boyd
R. L. Tedesco
M. Wetterhahn
H. Steele (2)

Docket Nos. 50-237 ←
and 50-249 ←

JUL 27 1970

Mr. Sidney C. Carr
Chairman, Board of Supervisors
Grundy County
Grundy County Courthouse
Morris, Illinois 60450

Dear Mr. Carr:

I am forwarding for your information one copy each of two letters, both dated July 17, 1970, from the Advisory Committee on Reactor Safeguards to the Chairman of the Atomic Energy Commission.

One letter relates to the Committee's review of furnace-sensitized stainless steel components in the primary system of the Dresden Nuclear Power Station Unit 2. The other letter concerns the Committee's review of Commonwealth Edison Company's application for a license to operate the Dresden Nuclear Power Station Unit 3.

Sincerely yours,

Original signed by
Robert L. Tedesco

Roger S. Boyd ^{for} Assistant Director
for Boiling Water Reactors
Division of Reactor Licensing

Enclosures:

1. ACRS ltr dtd 7/17/70
on Dresden Unit 2
2. ACRS ltr dtd 7/17/70
on Dresden Unit 3

3007

OFFICE ▶	DRL	DRL	DRL				<i>Steele</i>
SURNAME ▶	<i>HS</i> HSteele/dj	<i>E</i> RLTedesco					
DATE ▶	7/27/70	7/27/70					

Docket Nos. 50-237
and 50-249

JUL 14 1970

Distribution:
Courtesy Copy
Docket Files (2)
DR Reading
DRL Reading
BWR-2 File
H. L. Price
C. K. Beck
R. S. Boyd
R. L. Tedesco
OGC
G. Ertter
H. Steele (2)
M. WETTERHAHN

Mr. A. Alonso, Head
Nuclear Safety Section
JUNTA DE ENERGIA NUCLEAR
Avda. Complutense
Madrid-3 Spain

Dear Mr. Alonso:

I was glad that I could be of assistance in providing you the information concerning the overpressure protection for the Dresden 2 and 3 reactor vessels. As stated in my May 21, 1970 letter to you, the General Electric Company, as well as other vendors of reactor systems in the United States, has been requested to study means of preventing common mode failures which could prevent scram and to investigate means to mitigate the results of a failure to scram. These actions are currently being conducted and we expect reports to be available for our review sometime this fall. I will be glad to provide this information to you as it becomes available to us.

Sincerely,

Original Signed by C. K. Beck

Clifford K. Beck
Deputy Director of Regulation

State

OFFICE ▶	DRL: BWR-2	DRL: BWR-2	DRL	OGC	DRL	DR
SURNAME ▶	<i>mw</i> Wetterhahn/rg	<i>v. Stillifer</i> RLTedesco	<i>RS</i> RSBoyd	<i>(2)</i>	<i>WM</i> PAMorris	<i>CKBeck</i> CKBeck
DATE ▶	6/30/70	7/1/70	7/1/70	7/2/70	7/2/70	9/10/70

JUNTA DE ENERGIA NUCLEAR

C.I.D.A. COMPLUTENSE, MADRID-3
TELÉFONO: 2441200 TELÉGRAFO: JENSEDE MADRID

Madrid, June 5, 1970

Dr. Clifford K. Beck
Deputy Director of Regulation
U.S. Atomic Energy Commission
Washington, D.C. 20545
U.S.A.

Dear Dr. Beck,

Thank you very much for your most welcome letter of May 21, 1970, The information on it concerning the overpressure protection for the Dresden 2 and 3 reactor vessel has really helped us to solve our similar problem for the Garoña (G.E.) plant. We are now analyzing the proposed Technical Specifications and will take care they comply with the operating limitations you mention in your letter.

As you say, the so to speak overpressure protection by reactor scram imposes on it a high degree of reliability, in that sense we would appreciate receiving, if possible, the results, of the studies that are being made on that.

Yours respectfully,



A. Alonso, Head
Nuclear Safety Section

My best regards to Dr. Mones and Mr. DiNunzio in case you have a chance to meet him



Rec'd Off. Dir. of Reg.

Date 6/15/70

Time 11:05

DE-2642

Docket Nos. 50-237 ✓
and 50-249

MAY 21 1970

State

Mr. A. Alonso, Head
Nuclear Safety Section
JUNTA DE ENERGIA NUCLEAR
Avda. Complutense
Madrid-3, Spain

Dear Mr. Alonso:

I am pleased to furnish the information that you requested in your letter of April 27, 1970, to me concerning the overpressure protection for the Dresden 2 and 3 reactor vessels.

The Dresden Units 2 and 3 reactor vessels were designed and constructed in accordance with the ASME Boiler and Pressure Vessel Code, Section III, Nuclear Vessels; however, for the initial reactor vessel design, overpressure protection was based on safety valve capacity in accordance with Section I of the ASME Boiler and Pressure Vessel Code, "Power Boilers." For the most extreme operating transient, the necessary overpressure capacity required was the accommodation of the full steam flow through the safety valves without system overpressure and without credit given for installed protective and safety systems. Thus, no credit was given for instrumentation and protection features that could anticipate or mitigate an overpressure transient.

This design basis, adopted from previous conventional boiler practice, has been modified for nuclear vessels by Article 9, paragraph N-910.2, "Protection Against Overpressure," of Section III. The provisions of this article include appropriate consideration for the protection of reactor pressure vessels from overpressure by reactor scram.

Accordingly, a request by the Commonwealth Edison Company for Dresden Units 2 and 3 was made to reduce the number of safety valves from 20 to 8 for each unit. Following our review and considering the intent of the Code, we granted the request. Operating limitations have been set which require all of the safety valves to be operable during operation and a check on their setpoint every second refueling outage is mandatory.

DV

OFFICE ▶					
SURNAME ▶					
DATE ▶					

Mr. A. Alonso

A continuing part of our review of the Dresden Nuclear Power Station, as well as all other units under review, has been an effort to improve the instrumentation and equipment necessary to assure a high degree of reliability for scram. The General Electric Company, the plant designer, is studying means of preventing common mode failures which could prevent scram and is investigating means to mitigate the results of a failure to scram.

If you need any further information on this matter, let me know.

Sincerely,

Original Signed by C. K. Beck

Clifford K. Beck
Deputy Director of Regulation

DISTRIBUTION:

- Courtesy Copy
- Docket Files (2)
- DR Reading
- DRL Reading
- BWR-2 Files
- H. L. Price
- C. K. Beck
- R. S. Boyd
- R. L. Tedesco
- OGC
- G. Ertter
- H. Steele (2)
- M. Wetterhahn

OFFICE ▶	DRL <i>M Wetterhahn</i>	DRL <i>R Tedesco</i>	DRL <i>R Boyd</i>	OGC	DRL	DR
SURNAME ▶	Wetterhahn/dj	RL Tedesco	RS Boyd	<i>X</i>	<i>W</i> PAMorris	<i>CK Beck</i>
DATE ▶	5/15/70	5/15/70	5/18/70	<i>1</i> 70	5/18/70	5/20/70