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MAR 27 1970

Docket No. 50-249

Commonwealth Edison Company
72 West Adams Street
Chicago, Illinois 60690

Attention: Mr. Byron Lee, Jr.
Assistant to the President

Gentlemen:

We are continuing our review of your application for a provisional operating license for Dresden Unit 3. On the basis of our review, we find that we need further information regarding: (a) apparent differences between Unit 3 and the recently licensed Unit 2 (Provisional Operating License DPR-19), (b) matters raised in recent licensing reviews, and (c) certain site-related features. The items that should be further documented were discussed with your representatives at a meeting held on March 10, 1970.

At the March 10, 1970 meeting, you described your program for replacing the furnace-sensitized stainless steel safe ends in the Dresden Unit 3 reactor pressure vessel. We need a listing of all nozzle safe ends and materials involved, a description of the procedures to be used for replacement, and the applicable codes and quality control measures to be followed to assure that the vessel modification program is performed satisfactorily.

You indicated that a cooling lake will be provided for the Dresden Units 2 and 3. Since this modification to the site has not been described in your application, we need information relating to the possible safety aspects of the lake, including discussion of the consequences of potential failures and of the use of the lake as a source of water in the event of a failure of the Dresden Dam.

As we have discussed with you, we need further information concerning the actions you have taken with regard to all of the items noted in the report of the Advisory Committee on Reactor Safeguards on Dresden Unit 2. This information should include descriptions of your program to ameliorate the consequences of excessive leakage

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from the main steam line isolation valves, and of your study of means for preventing common mode failures from negating scram action and of design features to make tolerable the consequences of failure to scram during anticipated transients. In addition, we also need information on the vibration testing program you plan for Unit 3, considering the program planned for Unit 2 and its effect on Unit 3. We have already indicated that some form of confirmatory vibration testing may be necessary for Unit 3.

Another matter that was discussed at the meeting relates to the relatively large number of small diameter instrument lines which penetrate the containment barrier. We asked that you consider means to assure the continued integrity and isolability of these lines and a program for the periodic testing and examination of the valves in these lines. Please describe your plans for providing assurance that the probability of failure of any of these lines is small and submit the results of a safety evaluation describing the consequences of a failure of an instrument line that cannot be isolated.

We need your proposed Technical Specifications for Unit 3. Since the operation of Unit 3 could affect Unit 2 operation, appropriate changes to the Dresden Unit 2 Technical Specifications in such areas as conduct of operations and effluent release limits from the combined facilities may be necessary.

The information described above is a significant part of that needed for our safety evaluation of Unit 3. Considering your revised estimated date for fuel loading which we now understand has been advanced to September 4, 1970, it is imperative that the necessary information be provided promptly to permit our review in an adequate and timely manner.

Sincerely yours,

ORIGINAL SIGNED BY
Peter A. Morris

Peter A. Morris, Director
Division of Reactor Licensing

See attached for other concurrences.

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The information described above is a significant part of that needed for our safety evaluation of Unit 3. Considering your revised estimated date for fuel loading which we now understand is September 4, 1970, it is imperative that the necessary information be provided in an adequate and timely manner for our review.

Sincerely yours,

Peter A. Morris, Director
Division of Reactor Licensing

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