

Commonwealth Edison Company

ONE FIRST NATIONAL PLAZA ★ CHICAGO, ILLINOIS

Address Reply to:

POST OFFICE BOX 767 ★ CHICAGO, ILLINOIS 60690

May 24, 1971

Dr. Peter A. Morris, Director
Division of Reactor Licensing
U.S. Atomic Energy Commission
Washington, D.C. 20545

Subject: Additional Information relative to Facility
Operating License DPR-25 (Dresden Unit 3),
AEC Dkt 50-249, concerning hydrogen control

Dear Dr. Morris:

This is in response to your December 22, 1970 letter concerning hydrogen control. In your letter you requested additional information so that you could determine whether backfitting of the Dresden Unit 3 facility in this regard would provide substantial additional protection required for the public health and safety.

Enclosed is a report which supplies the additional information which you requested. Commonwealth Edison has reviewed this report and, in our opinion, we believe that, in accordance with 10 CFR 50.109, such a hydrogen control system should not be required. As a result of our review of the radiolytic hydrogen question, as described in Amendment No. 24, we intend to:

- 1 - Install monitoring equipment in the drywell and suppression chamber to monitor hydrogen concentrations; and
- 2 - Develop procedures for venting the containment atmosphere following a loss of coolant accident to maintain hydrogen concentrations within acceptable limits.

In addition to three signed originals, 77 copies of this report are also submitted.

Very truly yours,

Byron Lee Jr.
Byron Lee, Jr.

Assistant to the President

SUBSCRIBED and SWORN to
before me this 24th day
of May, 1971.

Patricia A. Nelson
Notary Public

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