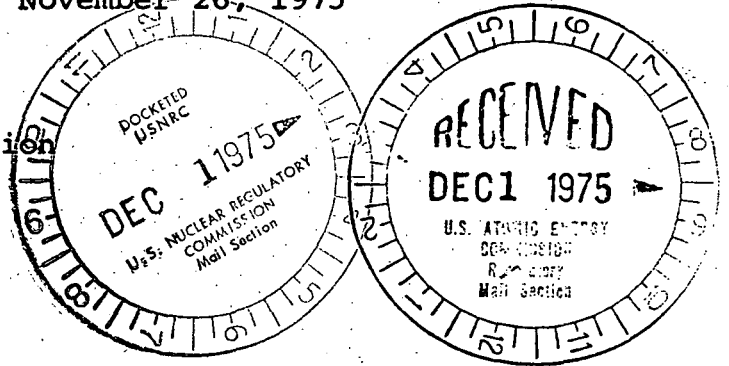




Commonwealth Edison
 One First National Plaza, Chicago, Illinois
 Address Reply to: Post Office Box 767
 Chicago, Illinois 60690

November 26, 1975

Director of Nuclear Reactor Regulation
 Attn: Mr. Dennis L. Ziemann, Chief
 Operating Reactors - Branch 2
 Division of Reactor Licensing
 U.S. Nuclear Regulatory Commission
 Washington, D.C. 20555



Subject: Dresden and Quad-Cities Stations
 Dresden Station Special Report No. 39
 Quad-Cities Station Special Report No. 14
NRC Dkts. 50-237, 50-249, 50-254, and 50-265

Dear Mr. Ziemann:

REGULATORY DOCKET FILE COPY

On September 22, 1975, Commonwealth Edison Company submitted the subject report. A timely review of this supplement was requested because of possible delays to the installation of a combustible gas control system should the Air Containment Atmosphere Dilution (ACAD) design be found unsuitable.

It is our understanding that review of this submittal is being delayed until General Electric Company provides the metal-water reaction number using the alternate approved method in NEDO-20566. However, as stated in Section IV paragraph 1.1 of Supplement I, preliminary calculations by General Electric indicate that the maximum calculated core wide metal-water reaction in accordance with 10 CFR 50.46 is below 0.12%. In accordance with the provisions of Branch Technical Position CSB6-2, this number (0.12%), when multiplied by a factor of 5, results in a metal-water reaction fraction less than the amount resulting from a postulated 0.00023 inch depth of reaction on all of the cladding cylinders surrounding the active fuel. The latter was assumed as the source of short term hydrogen. For a core of 8x8 fuel, such a penetration results in a metal-water reaction fraction of 0.6764%. This number was used as input to the computer program, CONCEN, which calculates the post LOCA hydrogen and oxygen concentrations in a reactor containment and suppression pool.

In view of the preliminary General Electric calculations and the above section of the supplement, we request that you commence review of the ACAD design report as soon as possible. We make this request to minimize any delays which might occur because of questions on calculations and/or system design.

Very truly yours,

13476

G. A. Abrell
 Nuclear Licensing Administrator
 Boiling Water Reactors