

Detroit
Edison

Harry Tauber
Vice President
Engineering and Construction

2000 Second Avenue
Detroit, Michigan 48226
(313) 237-8000



April 29, 1982
EF2 - 57,547

Mr. L. L. Kintner
U. S. Nuclear Regulatory Commission
Office of Nuclear Reactor Regulation
Division of Licensing
Washington, D. C. 20555

Dear Mr. Kintner:

Reference: Enrico Fermi Atomic Power Plant, Unit 2
NRC Docket No. 50-341

Subject: Estimation of Core Damage Procedure

Attached is a procedure for the estimation of core damage for Enrico Fermi 2, fulfilling our commitment of December 18, 1981 as identified in your SSER No. 2, Item 22.2, II.B.3.

Initially, Detroit Edison indicated an interim procedure for this estimation would be provided based solely on gaseous activity. However, since the meeting of September 16, 1981, General Electric has provided a more detailed procedure relating radionuclide concentrations to fuel damage based on both volatile and non-volatile nuclides.

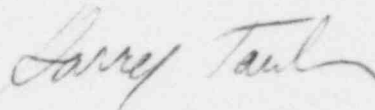
By appropriately normalizing actual Fermi 2 plant-specific parameters with reference plant data under postulated LOCA conditions from a BWR-6/238 with a Mark III containment, an estimation of core damage can be provided. Edison has also indicated the sample locations that will provide the most representative samples consistent with breakcase and system conditions.

A001
S11

Mr. L. L. Kintner
April 29, 1982
EF2 - 57,547
Page 2

Detroit Edison regards its information submittal on this subject to be complete. Should you have any further questions on this matter, please contact Mr. L. E. Schuerman, (313) 649-7562.

Sincerely,

A handwritten signature in cursive script, appearing to read "Larry Taul".

Attachment

cc: Mr. B. Little