



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

June 11, 1982

Mr. Paul O'Connor
 Project Manager
 Operating Reactors Branch No. 5
 Division of Licensing
 U.S. Nuclear Regulatory Commission
 Washington D.C. 20555

Subject: Dresden 2
 SEP Topic: III-2, Wind and Tornado Loadings
NRG Docket 50-237

Dear Mr. O'Connor:

As a result of the inquiry by Mr. Drew Persinko with Robert R. McCluer (Sargent and Lundy Consulting Engineers) a review of the Dresden calculations to establish the actual applied straight wind loading conditions used in the design of the safety-related structures was completed.

The design loadings are as follows:

Load Condition	Design Wind Velocity	Design Wind Pressure Full Height of Buildings		Allowable Stress
		Windward	Leeward	
1	110 mph	35 psf	21 psf	1.3 AISC
2	170 mph	75 psf	0	Fy

Concurrent snow load was considered for load condition 1. The design load conditions are greater than the 100 year mean recurrence interval wind velocity and resulting pressure for the Dresden site from ANSI A58.1, which is the acceptance criteria per Standard Review Plan 3.3.1, Rev. 2, dated July 1981.

Also, as a result of a site visit with Mr. Gregg Cwalina and Mr. Rajeez Agarwal (Franklin Research Center) two sets of the following vendor drawings for the Dresden Unit 2 ventilation chimney foundation are being submitted for review by Franklin Research:

- | | |
|---------------------|---------------|
| 4 RS-1 Sheet 1 of 2 | C-5002-T-C-3 |
| 4 RS-1 Sheet 2 of 2 | C-5002-T-FF-1 |
| GED-4 | C-5002-T-F-1 |
| C-5002-T-A-2 | C-5002-T-F1-1 |
| C-5002-T-B-1 | |

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Please address any questions you may have concerning this matter to this office.

One (1) signed original and forty (40) copies of this transmittal have been provided for your use.

Very truly yours,



T.J. Rausch
Nuclear Licensing Administrator
Boiling Water Reactor

SPPJ/cle

cc: RIII Resident Inspector, Dresden
Gregg Cwalina, SEP Integrated Assessment Project Mgr. (W/Attachment)