



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

September 7, 1984

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Subject: Byron Station Units 1 and 2
Braidwood Station Units 1 and 2
Pipe Whip Restraints Utilizing
Crushable Energy Absorbing Material
NRC Docket Nos. 50-454/455 and 50-456/457

Dear Mr. Denton:

On August 29, 1984, a meeting was held in the NRC Region III offices between Region III, NRR, and Commonwealth Edison and our consultant (Sargent & Lundy) personnel to discuss the remaining NRC concerns with the use of energy absorbing material (EAM) in certain of the pipe whip restraints utilized at our Byron and Braidwood Stations. At this meeting, the NRC staff requested that we provide, by September 7, 1984, simplified drawings of each originally designed pipe whip restraint installation utilizing crushable EAM. These sketches were to show the pipe whip restraint number, the direction of force enacted on the EAM, the tension rod orientation, the magnitude of the dynamic force (R) on the EAM, the kinetic energy absorbed (E) by the EAM, and the dimensions of the EAM.

The purpose of this letter is to formally transmit a full set of such simplified sketches for the seventy-nine Sargent and Lundy designed pipe whip restraints, and the twenty-three Westinghouse designed pipe whip restraints utilized at our Byron and Braidwood Stations. We expect to submit information to formally address the remaining open items identified and discussed during the meeting by September 14, 1984.

One signed original and fifteen copies of this letter are enclosed for your use. Due to the volume of the attachment, this information package is being sent directly to Ms. Janice A. Stevens. Additionally, this information package is being sent directly to Region III.

Very truly yours,

E. Douglas Swartz
Nuclear Licensing Administrator

EDS/rap

cc: J. A. Stevens - LBI
J. Streeter - RIII

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