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

October 6, 1982

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

Subject: Commonwealth Edison Company
Offsite Dose Calculation System (ODCS)
NRC Docket Nos. 50-10/237/249, 50-254/265,
50-295/304, 50-373/374, 50-454/455 and
50-456/457

References (a): C. W. Schroeder letter to H. R. Denton
dated June 16, 1982

(b): E. D. Swartz letter to H. R. Denton
dated September 20, 1982

Dear Mr. Denton:

Reference (a) provided the updated Commonwealth Edison Company Offsite Dose Calculation System (ODCS) program, Revision 3 dated February, 1982 on all our nuclear station dockets. Our schedule for implementing the ODCS program was presented on Page 32 of this submittal which indicated that certain items were anticipated to be operational on October 1, 1982.

The purpose of this letter is to advise the NRC Staff that the fully operational tracking model and an operational A-model that were anticipated to be installed and available at Zion Station on October 1, 1982 have been delayed as discussed below.

The fully operational track model for Zion Station is detailed in the ODCS and requires additional meteorological data from three supplemental 10-meter towers prior to implementation. Construction is currently underway and our schedule for operation of the three supplemental towers is by the end of October. However, the track model software will ultimately reside in the Zion Station Prime computer upon completion of the new Prime computer installation which is also currently underway. In the interim, the software will reside on our corporate Prime computer where it will be fully tested prior to site installation. This interim version will be accessible by our Corporate Command Center (CCC) environmental staff and the output made available to Zion Station. Pending completion of the Prime computer installation, we anticipate completion of this effort by December 31, 1982.

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The operational A-model for Zion Station requires the function of both the station process computer and the soon to be installed Prime computer. The process computer is utilized to convert the meteorological signals and plant parameter signals into the appropriate digital values. These values are then compared to established emergency action levels (EALs) and trigger an alarm when an EAL has been met or exceeded. This portion of the A-model is scheduled to be functional at Zion Station in October. However, the offsite assessment portion of the A-model is dependent upon the Prime computer. Therefore, this portion of the A-model cannot be operational until the Prime computer installation is complete. Pending completion of the Prime computer installation, we anticipate completion of this effort by December 31, 1982.

Our current schedule for implementing the Zion Station operational track model and A-model is consistent with our projected completion date of December 31, 1982 for the Zion Station permanent TSC and EOF as discussed in Reference (b).

Please address any questions that you or your staff may have concerning this matter to this office. One (1) signed original and thirty-nine (39) copies of this letter are provided for your use.

Very truly yours,

E. Douglas Swartz
Nuclear Licensing Administrator

cc: J. G. Keppler, RIII
RIII Inspector - Zion
David L. Wigginton ORB - 1

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