



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

December 30, 1983

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

Subject: Byron Generating Station Units 1 and 2
Braidwood Generating Station Units 1 and 2
Noble Gas Monitors
NRC Docket Nos. 50-454, 50-455, 50-456 and 50-457

Dear Mr. Denton:

This is to provide additional information regarding the Byron/Braidwood auxiliary building vent noble gas effluent monitors. NRC review of this information should complete the review of this instrumentation as documented on page 11-18 of the Byron SER.

Section E.30 of Appendix E to the Byron/Braidwood FSAR provides detailed information on the General Atomic monitors being installed to monitor vent stack releases. The following reports describe the calibration techniques and procedures, including the energy dependence of the detectors:

<u>Document No.</u>	<u>Rev.</u>	<u>Title</u>
E-115-647	4	Calibration report for Model RD-52 Offline Beta Detector
E-255-961	2	Calibration Report RD-72 Wide Range Gas Monitor High and Mid Range Detectors
0366-9010	L	Transfer Calibration Procedure Wide Range Gas Monitor

Copies of these reports have been provided to Mr. L. Olshan, One signed original and fifteen copies of this letter are provided for NRC review. Please direct further questions to this office.

Very truly yours,

T. R. Tramm
Nuclear Licensing Administrator

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