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March 23, 1982



Mr. Darrell G. Eisenhut, Director
 Division of Licensing
 U.S. Nuclear Regulatory Commission
 Washington, DC 20555

Subject: Dresden Station Units 2 and 3
 Quad Cities Station Units 1 and 2
 NUREG 0737 Item II.F.1.1 and
 II.F.1.2 Status
 NRC Docket Nos. 50-237/249
 and 50-254/265

Reference (a): E. D. Swartz letter to D. G.
 Eisenhut dated November 20, 1981.

Dear Mr. Eisenhut:

Reference (a) provided the implementation status for the subject gaseous effluent monitors at our Dresden and Quad Cities Stations. In the response, we indicated that the January 1, 1982, implementation date would be met with the exception of meeting the required five rem exposure limit to personnel during the accident period.

Both Dresden and Quad Cities Stations rendered the Eberline Sping-4 effluent monitors for the Main Chimney and Reactor Building Vent Stack operable to meet the required January 1, 1982, implementation date. However, in doing so, Quad Cities Station encountered communication problems with the Control Room computational and readout devices.

Additionally, our Quad Cities Station has encountered further difficulties with the Sping-4 monitors that involve inoperability of the high range noble gas detectors, calibration difficulties, and defective control terminals. The manufacturer, Eberline, was consulted with and their onsite investigation has led to the conclusion that the cables connecting the Sping-4 monitors to the control room must be replaced with shielded conductors in order for the system to function properly. It should be noted that our Dresden Station design currently utilizes shielded cable and is not experiencing such difficulties.

Procurement of the necessary cable has been initiated. However, the calibration source will not be available until May or possibly June, 1982. Based upon the above, our current schedule for completion of cable re-routing, system checkout, calibration and training is July 1, 1982.

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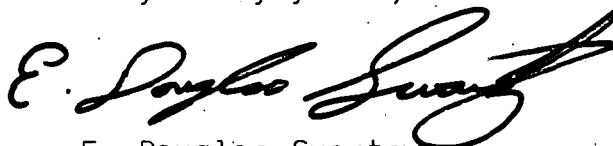
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The Dresden and Quad Cities Sping High Range Monitor calibration is based upon one radionuclide. However, NUREG 0737 Item II.F.1.1 clarification (4)(b) requires procedures or calculational methods to convert instrument readings to release rates per unit time, based on exhaust air flow and considering radionuclide spectrum distribution as a function of time after shutdown. In order to comply with this requirement, Radiological and Chemical Technology, Inc. (RCT) was contracted to provide the energy dependence of the noble gas effluent monitor (Sping) to a variety of three radionuclides and three source strengths. Of the nine calibrations (3 radionuclides at 3 concentrations), seven are now complete and an "interim" report from RCT is due in approximately one month. The remaining calibrations are expected to be completed prior to July 1, 1982. However, once the RCT data is received, a time dependence model for the Sping will have to be developed, together with the appropriate procedures. Every effort will be made to comply with this requirement. However, we do not anticipate full compliance with this requirement prior to July 1, 1982.

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

One (1) signed original and fifty-nine (59) copies of this letter are provided for your use.

Very truly yours,



E. Douglas Swartz
Nuclear Licensing Administrator

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cc: J. G. Keppler - Region III
L. Heuter - Region III
Region III Inspector - Dresden
Region III Inspector - Quad Cities

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