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Dresden Nuclear Power Station  
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March 7, 1977

BBS Ltr. #173-77

Mr. James G. Keppler, Regional Director  
Directorate of Regulatory Operations - Region III  
U. S. Nuclear Regulatory Commission  
799 Roosevelt Road  
Glen Ellyn, Illinois 60137

Dear Mr. Keppler:

In accordance with Section 4.6.D - Bases of the Dresden Unit 2 Technical Specifications, this evaluation of the reactor coolant leakage detection system during the first five years of operation is forwarded.

The current surveillance of the D2 drywell consists of the following:

- 1) Equipment and floor drain sumps are checked 3 times per day.
- 2) CAM particulate and charcoal filters are analyzed daily.
- 3) Several points of the drywell manifold system are sampled daily.
- 4) The entire drywell manifold system is sampled weekly.
- 5) A weekly report summarizing drywell leakage is prepared by a Health Physicist.

This program exceeds the requirements of Section 4.6 of the Technical Specifications.

The system has shown itself to be an effective means for leak detection. Increased leak rates, as indicated by the drywell sump, are accompanied by increased activity, as indicated by the CAM. The drywell manifold system provides the capability to localize major leaks when they appear.

Five years experience has shown that the drywell leak detection system meets all Technical Specification requirements and furnishes useful information for the continued safe operation of Dresden Unit 2.

Sincerely,

B. B. Stephenson  
Station Superintendent

BBS:DB:gt

cc: File/NRC

MAR 25 1977