



Commonwealth Edison
One First National Plaza, Chicago, Illinois
Address Report Post Office Box 767
Chicago, Illinois 60690

Central Mail

November 19, 1976

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

Subject: Dresden Station Units 1, 2, and 3
Quad-Cities Station Units 1 and 2
Zion Station Units 1 and 2
NRC Docket Nos. 50-10/237/249,
50-254/265, and 50-295/304

Dear Mr. Keppler:

Attached is the response from Quad-Cities Station to
IE Circular 76-03.

Responses from Dresden and Zion Stations were trans-
mitted to your office under a separate cover.

Please direct any questions to this office.

Very truly yours,

G. A. Abrell
Nuclear Licensing Administrator
Boiling Water Reactors

Att.

9
NOV 23 1976

IE Circular No. 76-03 requested that a number of specific actions be taken to ensure that there are proper controls to prevent overexposure events due to entry into existing or potential high radiation areas. The control measures must be adequate to ensure that transient changes in the exposure rate do not occur while personnel are in the affected area. The actions requested by the Circular have been completed at Quad-Cities Station.

Item 1:

A thorough review and inspection of plant operations and areas was performed to locate and identify all transient and continuous high radiation areas. This review involved a visual inspection of all plant areas, a review of past radiation survey information, and a compilation of those areas known to display transient changes in exposure rates. For this review, transient and continuous high radiation areas were considered as those defined by 10CFR20.202(b).

Item 2:

The above inspection of plant areas involved verifying that all high radiation areas are properly posted, locked, and controlled, in such ways that the nature of the hazard is clearly and specifically identified, entry into the area is properly restricted, and suitable surveys prior to entry are conducted. All signs identifying high radiation areas are conspicuously placed. The inspection confirmed that all high radiation areas are properly posted.

Item 3:

The radiation protection procedures, including the station administrative procedures, and the radiation protection training and retraining programs effectively deal with the matter of entry into high radiation areas and, the access controls placed on such areas. All station personnel receive periodic retraining in the pertinent aspects of radiation protection, including entry into high radiation areas.

Item 4:

Prior to personnel entry into high radiation areas, adequate management review and approval must first take place. This review ensures that exposure rates within the area are known, and that they will not undergo dramatic changes while personnel are within the affected area. The station administrative procedures for drywell and high radiation area entry and the "R" key procedures provide the necessary controls.

Item 5:

The controls necessary to provide the assurances described above are continuously reviewed and audited as part of the routine activities of the station radiation protection department. The effectiveness of the controls is assessed by the station health physicists. Supplemental controls are implemented as they become necessary.

Item 6:

Records pertaining to the above are available for NRC review at the station.