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MAR 6 1978

MEMORANDUM FOR: W. R. Butler, Chief, Plant Systems Branch, DOR
FROM: B. K. Grimes, Chief, Environmental Evaluation Branch, DOR
SUBJECT: FIRE PROTECTION REVIEW, OCONEE RADWASTE AREAS

The Environmental Evaluation Branch has reviewed the attached Table, "Analysis of Radiological Consequences of Fires in Radwaste Areas," which was submitted by Duke Power as part of their fire protection safety review for Oconee.

In a conference call with your staff and the licensee, we were informed that the likelihood of a fire occurring in areas identified in the attached table as Room Nos. 51, 106, 122, 124 and 166 which contain liquid waste is small. As for Room No. 304, "Low Level Drumming Storage Area," we were informed that only one unfilled drum will be left uncovered and susceptible to fire. The amount of radioactivity that may be released in case of fire in that area is, therefore, small. We were also informed that there is fire detection provision in that area. The measured dose rate in that area is small (2-20 mr/hr) allowing ample time for fire fighters to enter and combat any combustion.

Based on the above, the attached analysis to the fire protection provisions of the radwaste areas of Oconee are adequate provided that the amount of undrummed low level waste in the drumming storage area and other areas is restricted by procedures to small quantities.

We also understand that there is an established radiation protection procedure for fire fighters, including respirators available for fire fighters to reduce inhalation dose.

Original Signed by
Brian K. Grimes

Brian K. Grimes, Chief
Environmental Evaluation Branch
Division of Operating Reactors

Enclosure:
As stated

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