

FEB 8 1994

MEMORANDUM FOR: John W. Craig, Deputy Director
Division of Engineering
Office of Nuclear Regulatory Research

FROM: Chris Rourk
Engineering Issues Branch
Office of Nuclear Regulatory Research

SUBJECT: RES MEETING WITH DUKE POWER - FEBRUARY 1, 1994

Purpose: This trip was scheduled in response to an offer made by Robert Smith of Duke Power during the EQ Workshop on November 15-16, 1993, for members of the NRC EQ Task Team to come and review Duke's informal program for condition monitoring of EQ equipment.

Comments: Duke Power made the design decision to use armored cable for EQ applications in order to avoid potential damage or other complications caused by cable pulling. This design approach addresses many of the concerns which have been identified by the EQ Task Team regarding potential local damage mechanisms associated with cable installation and maintenance. The decision to use armored cables for all cables within the scope of 10 CFR 50.49 was made early on as Duke began to design and build nuclear power plants, which could make Duke's nuclear power plants unique in the industry in this regard.

Duke Power is also trending cable insulation physical properties and is performing limited temperature and radiation monitoring. Bob Smith indicated that a more extensive program of condition monitoring could probably be justified to Duke Power management if NRC gave some indication that data from that program would be accepted as justification for extending the qualified life of cable insulation.

151
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