

cc: IAPeltier
RCDeYoung
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JAN 3 1973

Docket Nos. 50-269/270/287

Note to File

TELECON WITH DUKE POWER COMPANY CONCERNING STEAM-LINE BREAK EVALUATION
FOR OCONEE 1/2/3 - DECEMBER 29, 1972

A conference call was held in order that Duke could give us its preliminary assessment of the steam-line-feed-water break issue for Oconee Units 1, 2 and 3. Schwencer and Peltier of DOL and Owen, Barton, Ansell, Miller, Blackley, S'apler, Foley and Hart of Duke participated in the phone call.

1. Duke finds it difficult to accept the credibility of a steam-line break since stresses in the steam line are about 1/20th of code allowable values. However, Duke feels that from the engineering point of view it would be wiser to alter the penetration room enclosure around the steam-line than to try and analyze the consequences of a postulated rupture in the penetration room. The modification would probably consist of an isolation wall on the inside and a blowout wall on the outside of the steam line area. It will be a couple of weeks before Duke can determine for sure if the modifications are feasible.
2. Feedwater-line modifications are not so easy. However, the feedwater-lines are low stress lines also. Duke is going to analyze the steam-line break over the next two weeks to a month and take steps to assure that if such a break were to occur the plant will maintain all the systems required for safe shutdown (assuming also a worst single failure) and control room instruments and controls to safely control the reactor.
3. Duke maintains that the auxiliary service water system is all that is required to cool the system in the event that all main feedwater is lost. Duke also doubts that a feedwater-line rupture will jeopardize the control room.
4. Duke will deliver its preliminary report on this matter to DOL by noon January 2, 1973.

I. A. Peltier
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