Rm 016

JAN 22 1974

50-247

NOTE TO S. S. PAWLICKI

INDIAN POINT 2 FEEDWATER LINE INCIDENT

Before commenting upon the content of the Con. Ed. January 14 report on this subject, it might be worthwhile to mention certain omissions.

1. Cleanliness of stainless steel components exposed to the leakage fluid;

2. The fact that there had been noises and movement of the feedwater line or lines prior to the occurrence of the incident;

3. The subject of inspection of penetration welds was also not addressed

Alluded to, but not adequately discussed, are references to effect of support No. 31 (which might have prevented the failure had it been installed properly) and prior difficulties with the control and check valves of line 22. Additionally, line No. 22 is said to have been bulged but no dimensions are presented. As to the content of the report, it is apparent that considerable thought and analytical effort has been expended to determine the cause of the problem. The possible contributions of malfunction of line 22 regulating and/or check valves are addressed, then rejected for cause. The candidate cause of failure - "slugging" - in the uniquely long horizontal run into steam generator No. 22 is demonstrated to be the failure cause. Line 22 has been modified to preclude a repetition.

The general impression of the report by virtue of the omissions and near-omissions is one of evasive vagueness. However, the areas covered in the report plus those items verbally touched on in the meeting of January 14, 1974 constitute a fairly complete picture of the situation. There appears to be no binding technical reason to prevent future attempts at operation.

/s/

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