

UNITED STATES GOVERNMENT

Memorandum

TO : Files
(Thru) Roger S. Boyd, Chief
Research & Power Reactor Safety Branch

FROM : R. L. Tedesco *R*
Research & Power Reactor Safety Branch
Division of Reactor Licensing

SUBJECT: CONTAINMENT DESIGN JERSEY CENTRAL LIGHT & POWER (JCL&P) - DOCKET NO. 50-219

DATE: January 13, 1966

A meeting was held with representatives of Jersey Central Light & Power and DRL on January 12, 1966 to discuss the containment design capability considering the added effects of a metal/water reaction. The following were in attendance:

J. K. Pickard - Jersey Central (Pickard & Lowe)
D. E. Hetrick - " "
D. R. Rees - " "
C. B. Johnson - General Electric
K. W. Hess - " "
J. B. Violette - " "
M. Gaske - ACRS Staff
R. S. Boyd - AEC-DRL
R. L. Tedesco - AEC-DRL
D. F. Knuth - AEC-DRL
H. Denton - AEC-CO
F. Nolan - AEC-CO

An analysis was performed by G.E. to determine the peak pressure in the Jersey Central Facility to assess the design features since the drywell and suppression chamber are designed for different pressures (i.e., 62 and 35 psig, respectively). G.E. reports the maximum pressure to be approximately 23 psig based on a zirconium-water reaction of 27.5%. This is less than the design pressure of 35 psig specified for the suppression chamber and less than the peak pressure of 31 psig immediately following system blowdown. The analysis was based on no core cooling and operation of only one containment spray system. This approach is consistent with those followed for Dresden and Millstone. G.E. reports that the capacity of the containment spray system was increased over that for a Dresden II or Millstone Plant to keep the pressure below design. Jersey Central Light & Power reports that the results of the recent analyses will be submitted formally for staff review.

cc: E. G. Case
D. Knuth
R. Tedesco



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