DEC 0 8 1975

W. C. Burke, Suction Leader, Applications Section Effluent Treatment Systems Branch, TR

HYDROLOGIC ENGLIEERING INPUT - POSTULATED LIQUID RADWASTE SPILL

FLANT HAME: WPPSS 3 6 5 LICENSING STAGE: CP DOCKET NUMBER: 50-508, 509 REQUESTED COMPLETION DATE: December 8, 1975 MILESTONE NO.: 23-32

Revised groundwater travel times and dilution factors have been estimated by T. Johnson for your use in evaluating radionuclide concentrations resulting from a postulated accidental liquid radwaste spill at the subject plant. As a result of a recent structural design change, we now compute a dilution factor of 5.6 x 10^4 and a travel time of 1 1/2 hours for the irrigation user located at the mouth of Workman Crask. The above computations apply to the postulated rupture of a 103,000-gallon holdup tank located inside the auxiliary building.

> L. G. Hulman, Section Leader Hydrologic Engineering Section Site Analysis Branch Division of Technical Review

cc: E. R. Denton W. P. Geamill J. Pensarella J. Colline A. Bouraia

P. Scoddart

T. Johnson

W. McDonald

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