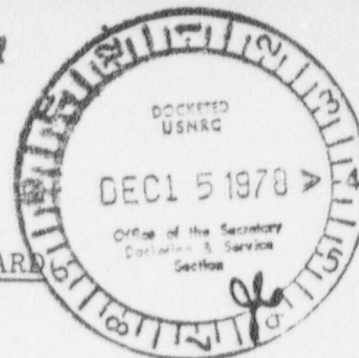


NRC PUBLIC DOCUMENT ROOM

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

BEFORE THE ATOMIC SAFETY AND LICENSING BOARD



In the Matter of)
)
PORTLAND GENERAL ELECTRIC COMPANY,) Docket Nos. 50-514
ET AL.) 50-515
)
(Pebble Springs Nuclear Plant,)
Units 1 and 2))

MEMORANDUM CONCERNING BOARD QUESTIONS

The purpose of this memorandum is to put the Parties on notice that the Board will have questions concerning the operation of the "dirty radwaste system" (DRS).

We note that Applicants' Amendment 12 (July 1978) has modified the proposed operation of the DRS; there is no longer a requirement to process the secondary system wastes when the concentration of radioactive nuclides exceeds $10^{-6} \mu\text{Ci/cc}$. We note that the Applicant "assumes that the entire annual volume of secondary wastes are discharged at an annual average concentration of approximately 10^{-6} microcurie/cc (excluding tritium)". We further note that under that assumption "the estimated annual discharge of activity from the secondary system amounts to approximately 0.01 Ci/yr," and that the estimated whole-body dose to a nearby resident is 0.49 mrem/yr (Table 11.2-2). We inquire as to the basis for that assumption and the proposed operational procedures that will assure compliance with Appendix I to 10 CFR 50.

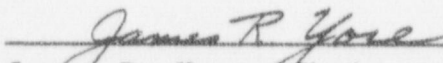
78122800 86

6

We have also received the Revisions to NRC Staff Evaluation of Liquid Radwaste System dated November 3, 1978. We note that "the Staff assumed that 50% of the regenerant solutions will be discharged to the coolant reservoir without treatment." Under that assumption the Staff has estimated a release of 3.8 Ci/yr, over 100 times greater than estimated by the Applicant. However, the Staff's estimate of whole-body dose to a nearby resident is only 0.033 mrem/yr, much less than estimated by the Applicant. We would like further information from the Staff concerning the basis for the estimated release rates and the calculation of dose.

We will seek a resolution of the discrepancies between the estimates of the Staff and Applicant concerning the releases and doses at the next session of the evidentiary hearing.

FOR THE ATOMIC SAFETY AND
LICENSING BOARD


James R. Yore Chairman

Dated at Bethesda, Maryland
this 15th day of December 1978.