SUPPLEMENTAL TESTIMONY

TO FINAL ENVIRONMENTAL STATEMENT related to construction of DAVIS-BESSE MUCLEAR POWER STATION TOLEDO EDISON COMPANY and CLEVELAND ELECTRIC ILLUMINATING COMPANY



Docket No. 50-346

Issue 6

Our evaluation of the radioactive waste systems in a nuclear power plant is based on a model that is consistent for a generic type plant.

The model utilizes data developed from a review of available information from operating nuclear power plants.

· Our analysis of the radioactive waste systems assumed the following leaks and sources:

Primary to Secondary leak in steam generator	20 gpd
Primary leak to Auxiliary Building	20 gpd
Primary leak to Containment Building	40 gpd
Sample drains	35 gpd
TOTAL.	115 gpd

* :

8003060 919

The following total primary system leakage rates have been measured in operating pressurized water reactor plants:

Facility		Leakage gpd
Point Beach		461
Haddam Neck		288
Yankec Rowe		145
San Onofre		433

The leakage flow of 3833 gpd that corresponds to our normalized liquid source term of 5 Ci/yr as reported in Table 3.4 of the Final Environmental Statement is from 8 to 26 times greater than the leak rates reported for the plants listed in the above Table. Thus, a substantial margin over measured leakage rates is available to compensate for equipment degradation, operational upsets, etc.

expected to occur during the life of a plant, the effects of these are expected to be minimized through normal maintenance procedures.

Such procedures adjust, repair, of replace equipment as necessary to maintain the efficient operation of the systems in the plant.

::

POOR ORIGINAL