

ENCLOSURE

SEQUOYAH NUCLEAR PLANT UNITS 1 AND 2
HYDROGEN DETECTION SYSTEM ENVIRONMENTAL QUALIFICATION
NCR EEB 79-10
10 CFR 50.55(e)
FIRST INTERIM REPORT

Description of Deficiency

A review of the environmental qualification data for the components of the Hydrogen Detection System revealed that there is no verification that the requirements for 150° F and 50,000,000 rads 30-day radiation dose are met. These qualifications are necessary for the installed location of the components in the containment annulus. The components are supplied by Comsip Delphi, Incorporated, 10650 East Rush Street, South Elmonte, CA 91733.

The supplier had not tested the system components to the two specified conditions mentioned above. It is not known at present whether the components are actually incapable of meeting the requirements.

Corrective Action

The component supplier is running tests to determine whether the qualification requirements can be met. If they can, suitable data will be forwarded to TVA. If not, suitable replacement components will be obtained.

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