

FEB 25 1974

ENCLOSURE 2
TECHNICAL SPECIFICATION ADDITION

ADDITIONAL SAFETY RELATED PLANT CAPABILITIES
(Or elsewhere, as appropriate, in Section 3)

MISCELLANEOUS RADIOACTIVE MATERIALS SOURCES

Source Leakage Test
Specification

The leakage test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie or more of removable contamination, it shall immediately be withdrawn from use, decontaminate, and repaired, or be disposed of in accordance with Commission regulations. Sealed sources are exempt from such leak tests when the source contains 100 microcuries or less of beta and/or gamma emitting material or 10 microcuries or less of alpha emitting material.

Surveillance Requirement

Tests for leakage and/or contamination shall be performed by the licensee or by other persons specifically authorized by the Commission or an agreement State, as follows:

1. Each sealed source, except startup sources subject to core flux, containing radioactive material, other than Hydrogen 3, with a half-life greater than thirty days and in any form other than gas shall be tested for leakage and/or contamination at intervals not to exceed six months.
2. The periodic leak test required does not apply to sealed sources that are stored and not being used. The sources excepted from this test shall be tested for leakage prior to any use or transfer to another user unless they have been leak tested within six months prior to the date of use or transfer. In the absence of a certificate from a transferor indicating that a test has been made within six months prior to the transfer, sealed sources shall not be put into use until tested.
3. Startup sources shall be leak tested prior to and following any repair or maintenance and before being subjected to core flux.

Bases

The objective of this specification is to assure that leakage from byproduct, source, and special nuclear radioactive material sources does not exceed allowable limits.

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REPORTING REQUIREMENTS

SEMI-ANNUAL OPERATING REPORTS

Operations Summary

Results of required leak tests performed on sources if the tests reveal the presence of 0.005 microcurie or more of removable contamination.

RECORDS RETENTION

A complete inventory of radioactive materials in possession shall be maintained current at all times.

Records required to be maintained for five years:

1. Test results, in units of microcuries, for leak tests performed pursuant to Specification _____.
2. Record of annual physical inventory verifying accountability of sources on record.

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