



UNITED STATES
ATOMIC ENERGY COMMISSION
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August 19, 1969

Charles G. Long, Chief, Reactor Projects Branch No. 3, Division of
Reactor Licensing

REACTOR BUILDING LEAK-RATE SPECIFICATIONS FOR OCONEE (DOCKET NOS. 50-269,
50-270, and 50-287)

The proposed tech specs for reactor building leak-rate (Paragraph 15.4.3
of POL, Volume II) have been reviewed. Several deficiencies have been
noted; the details are the enclosure. The deficiencies include:

1. Leak rate is not well defined, as it is specified at one
pressure only. No mention is made of acceptance values at
a reduced test pressure.
2. Leak rate may be permitted to approach 3%/day, provided it
is through the penetration room. However the analysis ignores
the increased release of non-filterables (including organic
iodine as well as noble gases). In addition the charcoal
heat load calculation is not presented.
3. No specific test criteria are presented for the 40 year life
of the plant. Instead it is proposed to await the results
of the first refueling-outage tests on each nuclear unit.
4. It appears that Duke proposes that a re-test on one unit is
applicable to the other two.
5. No individual penetration leak-rate limits are presented.
No corrective action, such as plantshutdown, is offered.

We should explore these points with Duke at the next technical meeting.

DF Ross

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Enclosure:

Reactor Bldg. Leak Rate
Calculations for Oconee

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RPB-3 Reading