

→ Note to: Accession Unit:
Room 050
Phillips Building

From: Gunter Arndt, SD

Please place the attached document in the PDR using the following file and file points:

PDR File
(Select one and enter number)

Additional Info
(Enter if appropriate)

Proposed Rule (PR) _____
Reg. Guide _____
Petition (PRM) _____
Effective Rule (RM) 10CFR50, App. J
ANSI _____
IAEA _____

ACRS Minutes No. _____
Relates to Proposed Rule (PR) _____
Relates to Reg. Guide _____
Relates to Petition (PRM) _____
Relates to Effective Rule (RM) _____
Federal Register Notice _____
SD Task No. _____
NUREG Report _____
Contract No. _____

Subject: Proposed Limited Revision to
10CFR50, Appendix J, para. III.D.2
(Type B testing in air lock)

cc:
Central Files

POOR ORIGINAL

697 230

7908150179



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

JUL 16 1979

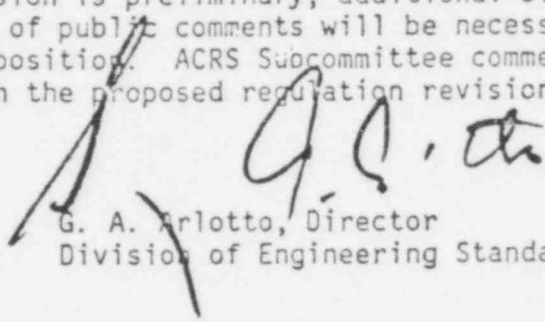
MEMORANDUM FOR: Raymond F. Fraley, Executive Dir., ACRS

FROM: Guy A. Arlotto, Division of Engineering Standards,
Office of Standards Development

SUBJECT: LIMITED REVISION OF 10 CFR 50, APPENDIX J - Air Locks

Enclosed for the use of the Subcommittee on Regulatory Activities are fifteen copies of Draft 1 of a proposed revision to paragraph III.D.2 of 10 CFR 50, Appendix J, "Primary Reactor Containment Leakage Testing for Water - Cooled Power Reactors".

Since the draft regulation revision is preliminary, additional staff efforts including review and resolution of public comments will be necessary prior to implementation of a regulatory position. ACRS Subcommittee comments and recommendations are requested on the proposed regulation revision.


G. A. Arlotto, Director
Division of Engineering Standards

Enclosures: (15 each)

1. Draft 1, paragraph III.D.2.
2. Preliminary Value-Impact Statement

cc: PDR

CONTACT: G. Arndt
443-5997

697 231

III. Leakage Testing Requirements

D. Periodic retest schedule

2. Type B tests. Type B tests except tests for air locks, shall be performed during each reactor shutdown for refueling, or other convenient intervals, but in no case at intervals greater than 2 years. Air locks shall be tested at 6-month intervals. However, air locks which are opened during such intervals, shall be tested after each opening. For primary reactor containment penetrations employing a continuous leakage monitoring system, Type B tests, except for tests of air locks, may, notwithstanding the test schedule specified under III.D.1., be performed every other reactor shutdown for refueling but in no case at intervals greater than 3 years.

697 232

PROPOSED REVISION TO APPENDIX J, III.D.2

III. Leakage Testing Requirements

D. Periodic retest schedule

2. Type B Tests. (a) Type B tests, except tests for air locks, shall be performed during reactor shutdown for refueling, or other convenient intervals, but in no case at intervals greater than 2 years. If opened following a Type A or B test, containment penetrations subject to Type B testing shall be Type P tested prior to returning the reactor to an operating mode requiring containment integrity. For primary reactor containment penetrations employing a continuous leakage monitoring system, Type B tests, except for tests of air locks, may, notwithstanding the test schedule specified under III.D.1., be performed every other reactor shutdown for refueling but in no case at intervals greater than 3 years.

(b)i. Air locks shall be tested prior to initial fuel loading and at 6-month intervals thereafter at an internal pressure not less than P_a .

ii. Air locks opened during periods when containment integrity is not required by the plant's Technical Specifications shall be tested at the end of such periods at P_a .

697 233

- iii. Air locks opened during periods when containment integrity is required by the plant's Technical Specifications shall be tested within three days after being opened.

For air lock doors opened more frequently than once every 3 days, the air lock shall be tested at least once every three days during the period of frequent openings. For air lock doors having testable seals, testing the seals fulfills the 3-day test requirements. In the event that the testing for this three day interval cannot be at P_a , the test pressure shall be as stated in the Technical Specifications. Air lock door seal testing shall not be substituted for the 6-month test of the entire air lock at P_a .

- iv. The acceptance criteria for air lock testing shall be stated in the Technical Specifications.

697 234