

ENCLOSURETopical Report Evaluation

Report Nos: WCAP-8336 (Proprietary) and
WCAP-8110 Supplement 5 (Non-
proprietary)

Report Title: Ice Condenser System Lower Inlet
Door Shock Absorber Test Plans and
Results

Report Date: May 24, 1974

Originating Organization: Westinghouse Electric Corporation-

Reviewed by: Containment Systems Branch, Office
of Nuclear Reactor Regulation

Summary of Topical Report

Westinghouse has designed a pneumatic lower inlet door shock absorber to replace the phenolic block shock absorber used in the design of the ice condenser system approved in the letter from D. B. Vassallo to C. Eicheldinger, dated April 29, 1975. The pneumatic design was selected because of simplified fabricating procedures, and inspection and maintenance during plant operation.

Report WCAP-8336 describes the new shock absorber design and the series of tests Westinghouse performed to demonstrate that the air box (pneumatic) lower inlet door shock absorber can replace the phenolic block shock absorber. The test program utilized three prototype and two production air box shock absorbers. The tests were identical to the tests performed to demonstrate the adequacy of the phenolic block shock absorber design. The phenolic block shock absorber tests are described in WCAP-8110, Supplements 1, 3 and 4.

Summary of Evaluation

A summary of our evaluation of the tests to demonstrate the adequacy of the phenolic block shock absorber design was presented in our letter of April 29, 1975. As mentioned, the tests to demonstrate the adequacy of the air box lower inlet door shock absorber were the same as those of the phenolic block shock absorber. We find that these tests are adequate to demonstrate the acceptability of the air box lower inlet door shock absorber design for use in ice condenser type plants.

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Summary of Staff Position

We conclude that WCAP-8336 presents an acceptable design and testing program for the air box lower inlet door shock absorber.

We find WCAP-8110, Supplement 5 an acceptable non-proprietary version of WCAP-8336.