

**THE  
B&W OWNERS GROUP**

**Analysis Committee**

**RELAP5/MOD2 BENCHMARK  
OF OTIS LEAK SIZE TEST  
#2202AA**

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## RELAP5/MOD2 BENCHMARK OF OTIS LEAK SIZE TEST #2202AA

by

M. A. Rinckel  
R. J. Schomaker

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The B&W Owners Group  
Arkansas Power and Light Company  
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Toledo Edison Company

The Babcock and Wilcox Company  
Nuclear Power Division  
P.O. Box 10935  
Lynchburg, Va. 24506-0935

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RELAP5/MOD2 Benchmark of OTIS  
Leak Size Test #2202AA

M. A. Rinckel  
R. J. Schomaker

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## ABSTRACT

This benchmark of the RELAP5/MOD2 code using OTIS Test #2202AA is performed to demonstrate the capabilities of the RELAP5/MOD2 code to predict the phenomena characteristic of a small break loss of coolant transient. This objective was met. This report is produced as partial fulfillment of the B&W Owners Group commitment to the Integral System Test Program.

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## Record of Revisions

Revision No.	Pages/Sections/ Paragraphs Changed	Brief Description / Change Authorization
00	All	Original Release from January 1986
Errata 1-000	Cover Page, Title page, abstract page Reference page (5-1)	Correct typo of topical report number BAW-1902 and correct Reference #6. Other miscellaneous changes marked with change bars. March 2015.

5. REFERENCES

1. "RELAP5/MOD2 - An Advanced Computer Program for Light Water Reactor LOCA and Non-LOCA Transient Analysis," UPGD-TM-44, August 1984
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4. B&W Document No. 31-RDD:84-4091-24-01:01, OTIS Loop Functional Specification, Babcock and Wilcox Co., Lynchburg, Va., 1984.
5. Babcock and Wilcox Document No. RDD:84:4091-30-01:01, Uncertainties for OTIS Instrumentation and Derived Calculations.
6. Babcock and Wilcox Document No. 32-1152300-00, Input Model and Results of the Benchmark of OTIS Test 2202AA, M. A. Rinckel.