



Ref. 2

MAY 10 1977

Babcock & Wilcox Company
ATTN: Mr. James H. Taylor
Manager, Licensing
Nuclear Power Generation
P. O. Box 1260
Lynchburg, Virginia 24505

Gentlemen:

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION ON BAW-10102

During the past year, the following changes were made to the ECCS Model (BAW-10104).

1. Letter from Suhrke to Vassallo dated June 15, 1976 addressing flooding rates equal to or less than one inch per second;
2. Letter from Suhrke to Ross dated June 7, 1976 addressing momentum equation connection, critical flow logic modification, reactor coolant pump logic modification, and miscellaneous program changes;
3. Letter from Suhrke to Vassallo dated August 20, 1976 addressing time zero friction factor calculation and time zero heat transfer switching logic correction;
4. Letters from Suhrke to Varga dated December 20, 1976, January 24, 1977 and February 7, 1977 addressing return to nucleate boiling logic.

The information submitted by B&W in these letters does not fully address the effects of all of these changes on the ECCS Evaluation of B&W's 205 Fuel Assembly plants (Topical Report BAW-10102). To have a referencable worst break which is analyzed wholly in conformance with 10 CFR 50.46 and Appendix K, to ensure that the break spectrum shape has not changed, and to confirm the margins available, the following reanalyses will be required:

- | | | |
|-------------------------------|----------------------|----------------------|
| 1. DEPD | 8.55 ft ² | C _D = 1.0 |
| 2. DEPD | 8.55 ft ² | C _D = 0.8 |
| 3. SPLIT | 8.55 ft ² | C _D = 0.8 |
| 4. The worst-case small break | | |

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Please provide us with a schedule as to when you will be able to provide this information. If you have any questions concerning these matters, please contact us.

Sincerely,

for - [Signature]
Steven A. Varga, Chief
Light Water Reactors Branch 4
Division of Project Management

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