

NOV 07 1975

Docket No. 50-155

Consumers Power Company
ATTN: Mr. Ralph B. Sewell
Nuclear Licensing Administrator
212 West Michigan Avenue
Jackson, Michigan 49201

Gentlemen:

We are reviewing the Big Rock Point ECCS reanalysis submittal dated July 25, 1975, and have concluded that additional information described in the enclosure is needed to continue our review.

To enable us to maintain our review schedule, please submit the requested information by November 28, 1975.

Sincerely,

Original Signed by:
Dennis L. Ziemann

Dennis L. Ziemann, Chief
Operating Reactors Branch #2
Division of Reactor Licensing

Enclosure.
Request for Additional
Information

cc w/enclosure:
See next page

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Consumers Power Company

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cc w/enclosure:

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CONSUMERS POWER COMPANY
 BIG ROCK POINT PLANT
 DOCKET NO. 50-155
 REQUEST FOR ADDITIONAL INFORMATION

1. The analysis for the G.E. fuel does not discuss the core spray coefficients used, nor differences between 9 x 9 and 7 x 7 geometries (upon which most current data are based). Identify the coefficients assumed, and justify the methods used to derive the coefficient for the 9 x 9 array from the 7 x 7 test data.
2. The analysis for the EXXON Nuclear Company (ENC) fuel does not discuss the core spray coefficients used, nor the differences between 11 x 11 and 7 x 7 geometries. Identify the coefficients assumed, and justify the methods used to derive these coefficients from existing test data.
3. The staff analysis for the ENC model "Report Regarding the EXXON Nuclear Company ECCS Non-Jet Pump BWR Fuel Heatup Model," (ENC-NJP-BWR-FHM) dated March 6, 1975 requires justification for certain features of the model on a case-by-case basis. In this regard, provide the following:
 - a) Justification that ENC fuel (11 x 11 arrays, some of which have different fuel composition) does not influence NSSS supplied results, particularly those supplied to ENC-NJP-BWR-FHM.
 - b) Demonstrate that HCLXY-calculated volumetric average fuel temperature equals or exceeds that calculated using GAFLA.

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- c) Justification of the applicability of the fission power curve used for small and intermediate size breaks.
- d) Justify the fraction of locally generated gamma energy deposited in fuel pins.

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