

MONTHLY HIGHLIGHTS FOR AUGUST 1985

"Verification of Source Term Code Package Calculations"

(FIN A-3290)

BNL Principal Investigator: W. T. Pratt (FTS 666-2630)

NRC Project Manager: T. Margulies (FTS 443-7627), DRAO/RR Branch

1. Scope/Purpose:

Updated fission product source term methods were developed under the direction of the Accident Source Term Program Office (ASTPO) and published in BMI-2104. Several computer codes developed as part of this effort are being integrated at BCL into a Source Term Code Package (STCP). Over the next six months the STCP will be applied by BCL staff to five representative reactor designs, as part of an updating of nuclear accident risk and risk-reduction perspective by RES/DRAO. The objective of this project is to provide quality assurance (QA) of the specific STCP accident sequence calculations, which are to be performed by BCL for the RES/DRAO risk updating.

2. Work Performed During Period:

A "binning" meeting at BCL was attended to decide on the calculations to be performed by BCL for the Grand Gulf updating. In addition, a meeting at the University of Wisconsin was attended as part of the review of the SARRP containment event trees.

3. Problems/Delays:

A working version of the STCP was not received at BNL during August. In addition, the BCL calculations for Peach Bottom were not completed by August 31. The calculations are currently expected to be completed by September 12, 1985.

4. Summary of Progress to Date/Milestones:

See Item 2.

5. Next Reporting Period:

The Peach Bottom calculations are now due for completion by September 12 and a BNL review team will visit BCL after the calculations are completed.