

MONTHLY HIGHLIGHTS FOR JULY 1985

"Verification of Source Term Code Package Calculations"

(FIN A-3290)

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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:

Work was initiated on this project during this reporting period. A meeting was held at BCL to discuss the status of the STCP calculations and to develop a schedule for QA of the BCL calculations. It was decided that a team from BNL will visit BCL at the completion of each of the five sets of calculations to carry out the audit.

A "binning" meeting at SNL was attended to decide on the calculations to be performed by BCL for the Sequoyah updating. In addition, two meetings (at SNL and the University of Wisconsin) were 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 July. This may not impact this project unless the delay in completing the STCP influences calculations to be performed by BCL.

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4. Summary of Progress to Date/Milestones:

See Item 2.

5. Next Reporting Period:

The Peach Bottom calculations are due for completion during August and a BNL team will visit BCL after the calculations are completed.

The Grand Gulf "binning" meeting, which will be held at BCL on August 21-23, will be attended. In addition, the next meeting on the review of the SARRP containment event trees will also be attended.