

MONTHLY HIGHLIGHTS FOR AUGUST 1985

"Source Term Code Package Verification"

(FIN A-3284)

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

NRC Project Manager: R. O. Meyer (FTS 427-4461), ASTPO

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. The several computer codes developed as part of this effort are being integrated at BCL into a self-consistent Source Term Code Package (STCP). The objective of this BNL project is to provide quality assurance of the BCL code package. BNL will obtain the code package from BCL and install it on the BNL computing system. The code package will be reviewed to ensure correct implementation of the models and options. In addition, the coupling of the various codes in the package will be carefully checked.

2. Work Performed During Period:

A tape of the MARCH/CORCON segment of the STCP was obtained from BCL but could not be read. Documentation on elements of the STCP and individual elements of the code package were reviewed in anticipation of receiving the STCP.

3. Problems/Delays:

A working version of the code package was not received at BNL during August.

4. Summary of Progress to Date/Milestones:

Progress has been made in the following two tasks:

Task 1: A preliminary meeting was held at BCL to develop the scope of the STCP.

Task 2: Although the STCP has not yet been received at BNL, assistance was provided to BCL on the coupling of the CORCON and VANESA codes.

5. Next Reporting Period:

Working versions of all segments of the STCP are expected during early September. A meeting at BCL is planned to review STCP calculations (FIN A-3290) and also review the STCP (this FIN).