INTERIM REPORT

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Contractor's	Report	No.	

Contract Program or Project Title: Radiation Streaming Study

Subject of this Document: Progress reported for September 1979

Type of Document: Informal monthly progress report

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Responsible NRC Individual and NRC Office or Division:

Donald E. Solberg, Chief, Systems Performance Research Branch, SAFER: RES

This document was prepared primarily for preliminary or internal use. It has not received full review and approval. Since there may be substantive changes, this document should not be considered final.

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Prepared for U.S. Nuclear Regulatory Commission Washington, D.C. 20555

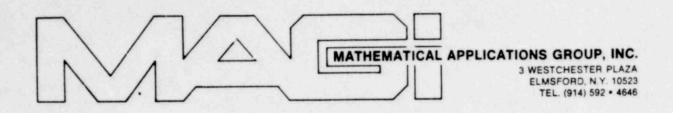
NRC FIN No. B6206

NRC Research and Technical Assistance Report

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INTERIM REPORT



October 24, 1979 P-7177 M-1298

Dr. Donald Solberg Nuclear Regulatory Commission Washington, DC 20555

Dear Dr. Solberg:

Enclosed please find a monthly progress report for work accomplished by MAGI as of October, 1979 under contract NRC-04-79-179. A report of costs incurred to date is also enclosed.

If you have any questions, please do not hesitate to contact me.

Very truly yours,

Martin O. Cole

Martin O. Cohen Manager Scientific Applications

MC/gb Enclosure

cc: Mr. Kellogg V. Morton

NRC Research and Technical Assistance Report

October 24, 1979 P-7177 M-1298

MONTHLY PROGRESS REPORT NRC-04-79-179

October 15, 1979

- 1. Tasks 1, 2, 3 and 5 were completed prior to this period.
- All the Monte Carlo calculations have been completed. In all cases, enough histories were followed to obtain 20-30% statistics. Task 4 is completed.
- 3. In the course of writing the final report (see Item 4, below) a full analysis of the computational results have been made. For-tunately, most calculational results were in excellent agreement with experimental results and thus very little effort had to be expended explaining differences in the results. Once again, please note that our water tank shielding results were computed before we received the comparable experimental results from Northeast Utilities. Task 6 is completed.
- 4. Work on Task 8 has begun. The SAM-CE code is installed at a facility used by the NRC, that is, Brookhaven National Laboratory (BNL). An up-to-date user's manual is ready for delivery. The first draft of the final report is completed and is now in the process of internal review.
- 5. The original milestone schedule, which included a month for slippage, called for the draft final to be submitted by 1 December 1979. We fully expect to reach this goal on, or before, the said target date.
- We do not anticipate at this time a cost overrun. In fact, it is virtually impossible since all calculations and analyses have been performed.

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