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ATOMIC ENERGY COMMISSION
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James L. Liverman, Director, DBER

DOCUMENTATION OF COMPUTER PROGRAM FOR PLUTONIUM BIOASSAY
REG:BER-134

Late in FY 1975 the Directorate of Regulatory Standards plans to issue a Regulatory Guide on bioassay for plutonium. It will be necessary in the guide to reference a document which describes a computer program acceptable for interpreting urinary plutonium measurements. A computer program developed by Dr. W. S. Snyder has been in use at ORNL for several years, but a description of the program has not been published. It would be useful to us if this description could be published in a topical report, providing detail and instructions sufficient to permit independent set-up and operation of the program by Commission licensees or by a commercial organization offering bioassay services to licensees.

ORNL has submitted a 189 for the work necessary to publish a description of this computer program (enclosed), with Dr. Snyder as the principal investigator. The cost would be \$20,000.

Since this task was not included in the Regulatory budget for this year, we will not be able to fund it. However, R. E. Alexander of my staff advises that Dr. Snyder possibly could do the work under a contract that DBER has negotiated with him. It would be advantageous to both Regulatory Standards and the Division of Operational Safety if this work could be completed this year.

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Enclosure:
As stated

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