INTERIM REPORT

	Accession No
Contract Program or Project	Title:
LWR In-Plant Measurement Pro	ogram .
Subject of this Document:	Progress reported for May 1980
Type of Document:Informal	I monthly progress report
Author(s): John W. Mandler	
Date of Document: June 24	
Responsible NRC Individual	and NRC Office or Division:
Donald F Solberg Chief Sy	stems 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 sutstantive changes, this document should not be considered final.

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

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INTERIM REPORT

NRC Research and Technical Assistance Report

8007210602

June 24, 1980

Mr. R. E. Wood, Director Energy and Technology Division Idaho Operations Office - DOE Idaho Falls, ID 83401

TRANSMITTAL OF MAY, 1980 MONTHLY PROGRESS REPORT FOR LWR IN-PLANT MEASUREMENT PROGRAM - Mand-23-80

Dear Mr. Wood:

Attached is the monthly progress report for the LWR In-Plant Measurement Program (project No. A6075) for the month of May, 1980.

Sincerely yours,

John W. Mark

John W. Mandler Applied Physics Branch

jr

Attachment: As stated

cc: B. R. Dickey, ENICO

W. A. Emel, ENICO

C. E. Gilmore, DOE-ID

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G. W. Knighton, NRC

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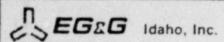
B. G. Motes, ENICO

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NRC Research and Technical Assistance Report



FORM EGAG-440

TECHNICAL PROGRAM PROGRESS REPORT

Idaho	Physics Division	May 1980
OPERATIONS OFFICE	DIVISION	PERIOD REPORTED
40 10 01 064	Environmental and Fuel Cycle Research	J. W. Mandler/6-24-80
ACTIVITY NO.	ACTIVITY TITLE	PREPARED BY DATE
A6075	Source Term Measurements at PWR's	I-399
ONTRACTOR PROJ NO	PROJECT TITLE	REF (PROJ PROPOSAL DOE-189)

TECHNICAL PROGRESS

Achievements This Month:

A. Program Planning and Measurements

1. Summary Report:

Work on the summary report continued during May. A draft version of the report was completed and is currently being reviewed. The report will be completed and submitted to the NRC by the end of June.

2. Remote Monitoring Subtask:

Work on this task continued during May. The major emphasis of the work was to begin organization of the workshop on remote monitoring that was requested by the NRC.

Radionuclice Transport Subtask:

The literature search to assess current knowledge about radionuclide transport around the primary system of a reactor continued during May.

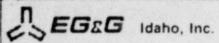
4. Fifth PWR:

Investigation of the suitability of Prairie Island, Crystal River, and Point Beach as candidates for the fifth PWR to be studied was initiated during May. The FSAR's for the plants were obtained and the P&ID's were studied. Currently, of the three plants, Prairie Island appears to be the most suitable.

Routine maintenance and necessary repairs to instruments and equipment (including the NRC Mobile Laboratory) were initiated during May. This maintenance and repairs are necessary before the equipment can be used at the fifth PWR.

B. Reports Issued This Month

None



FORM EG&G-446A (Rev 10-77)

TECHNICAL PROGRAM PROGRESS REPORT

Idaho

Physics Division

May 1980

OPERATIONS OFFICE

DIVISION

PERIOD REPORTED

C. Expenditures

	Budget	<u>Actual</u>
May, 1980	\$55K	\$40.0K
FY 1980 to date	\$390K	\$375.3K

D. Expected Accomplishments Next Month

- 1. Complete summary report and submit it to the NRC for review and comments.
- Continue review of technique development for remote monitoring subtask and continue organization of workshop to be held this summer.
- Continue work on subtask concerning radionuclide transport in reactor primary system.
- Continue review of candidates for the fifth PWR to be studied and repair and maintenance of equipment to be used at the fifth PWR.