

DEC 27 1979

INTERIM REPORT

Accession No. _____

Contractor's Report No. _____

Contract Program or Project Title: LWR In-Plant Measurement Program

Subject of this Document: Progress reported for November 1979

Type of Document: Informal monthly progress report.

Author(s): John W. Mandler

Date of Document: December 14, 1979

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.

Prepared by
EG&G Idaho, Inc.
P.O. Box 1625
Idaho Falls, Idaho 83401

DISTRIBUTION:

S. Levine
C. Beck
J. Collins, TMI Site
R. Bangart, NRR/ETSB
P. Grant, EEB/NRR

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

NRC FIN No. A6075

NRC Research and Technical
Assistance Report

INTERIM REPORT

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

TECHNICAL PROGRAM PROGRESS REPORT

Idaho
OPERATIONS OFFICE

Physics Division
DIVISION

November, 1979
PERIOD REPORTED

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ACTIVITY NO.

A6075

CONTRACTOR PROJ. NO.

Environmental and Fuel Cycle Research

ACTIVITY TITLE

Source Term Measurements at PWR's

PROJECT TITLE

J. W. Mandler/12-14-79

PREPARED BY/DATE

I-399

REF. (PROJ. PROPOSAL
DOE-189)

TECHNICAL PROGRESS

Achievements This Month:

A. Program Planning and Measurements

1. Rancho Seco Station:

Writing of the final report for the measurements made at Rancho Seco continued during November. Revision of the individual sections concerning the gaseous measurements was completed during the month and review of the revisions was begun. It is anticipated that the total report will be completed during December.

2. Turkey Point Station:

Revision of the final report for the measurements made at Turkey Point continued during November. It is anticipated that all revisions will be completed during December.

3. Three Mile Island:

Source Term personnel provided information to the TMI Examination Task 2.1 Working Group (J. Mandler is a member of this group) concerning recommendations for measurements to be made at TMI. The major responsibilities are in the areas of liquid measurements, gaseous measurements, measurement methods, and QA. The Working Group completed a final draft of recommendations on 11/30/79.

4. Remote Monitoring Subtask:

Work on the subtask to determine the state-of-the-art of technology applicable to remote monitoring of reactor coolant was initiated during November. A literature search was begun to obtain the necessary information concerning current methods for remote gamma-ray spectrometry and remote chemistry.

5. Summary Report:

Work on the summary report proceeded during November. The main emphasis during the month was on analysis, correlation, and interpretation of the data obtained at all four PWR's investigated. It is anticipated that this report will be completed by 7/1/80.

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6. Consultant Services:

A subcontract for obtaining the services of C. Pelletier was finalized during the month. Major emphasis of this work will be review of the Rancho Seco Final Report and the Summary Report. Negotiations to obtain additional services of C. Pelletier and P. Voilleque were also initiated. The major emphasis of this work will be correlation and interpretation of data for the summary work.

B. Reports Issued This Month

None

C. Expenditures

	<u>Budget</u>	<u>Actual</u>
November, 1979:	\$45.0K	\$44.8K
FY 1980 to date:	\$85.0K	\$74.9K

D. Expected Accomplishments Next Month

1. Complete final report for measurements made at Rancho Seco.
2. Complete revisions to Turkey Point Final Report.
3. Continue data analysis, correlation, and interpretation and preparation of Summary Report.
4. Continue literature search for remote monitoring subtask.