

LETTER REPORT

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Responsible NRC Individual and NRC Office or Division \_\_\_\_\_

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LETTER REPORT

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NRC Research and Technical  
Assistance Report

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Idaho, Inc.

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December 19, 1980

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

TRANSMITTAL OF NOVEMBER, 1980 MONTHLY PROGRESS REPORT FOR LWR IN-PLANT  
MEASUREMENT PROGRAM - Mand-58-80

Dear Mr. Wood:

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

Sincerely yours,

John W. Mandler  
Applied Physics Branch

Jr

Attachment:  
As stated

cc: R. Bangart, NRC  
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Assistance Report

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FORM EG&G-435  
(Rev. 1-77)**TECHNICAL PROGRAM PROGRESS REPORT**Idaho  
OPERATIONS OFFICEPhysics Division  
DIVISIONNovember 1980  
PERIOD REPORTED

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ACTIVITY NO

Environmental and Fuel Cycle Research

ACTIVITY TITLE

J. W. Mandler/12-19-80

PREPARED BY DATE

A-6075

CONTRACTOR PROJ NO

Source Term Measurements at PWR's

PROJECT TITLE

I-399

REF (PROJ PROPOSAL  
DOE-189)TECHNICAL PROGRESSAchievements This Month:A. Program Planning and Measurements

During November major emphasis was placed on sampling as many systems, process streams, and tanks as possible in order to determine whether the radionuclide concentrations at Prairie Island are sufficiently high to allow program objectives to be met. This sampling program included locating and validating sampling locations, obtaining and counting appropriate samples, and analyzing the results. By the end of the month all major systems and components had been studied except one boric acid evaporator (not in operation) and various tanks (either empty or impossible to sample due to high radiation fields).

Ventilation measurements continued during the month. Initial results indicate that releases from the hot chemistry laboratory and the sampling room vent are low and that these areas are currently not major sources of airborne activity.

Work continued during the month on the measurement plan for the studies at Prairie Island. A first draft of this plan will be completed during December and the final draft during January.

B. Reports Issued This Month

None.

C. Expenditures

November, 1980: \$71.7K; FY 1981 to date: \$127.7K.

D. Expected Accomplishments Next Month

1. Continue intensive measurement program at Prairie Island.
2. Continue development and testing of new methods and procedures to increase radionuclide detection sensitivities.
3. Complete first draft of detailed measurement plan for the studies at Prairie Island and begin final draft.