

INTERIM REPORT

October 23, 1980

Accession No. _____

Contractors Report No. _____

Contract Program or Project Title: Decontamination as a Precursor to
Decommissioning

Subject of this Document: Progress reported for September 1980

Type of Document: Informal monthly progress report

Author(s): Lyle D. Perrigo

Date of Document: October 6, 1980

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.

Battelle
Pacific Northwest Laboratories
P.O. Box 999
Richland, Washington 99352

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

NRC FIN No. B2303

INTERIM REPORT

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NRC Research and Technical
Assistance Report



Pacific Northwest Laboratories

P.O. Box 999

Richland, Washington 99352

Telephone (509) 376-9024

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October 6 1980

Mr. D.E. Solberg
Office of Nuclear Regulatory Commission
U.S. Nuclear Regulatory Commission
Mail Stop 1130-SS
Washington, D.C. 20555

Dear Mr. Solberg:

PNL has continued programmatic work on the NRC project entitled "Decontamination as a Precursor to Decommissioning." September 1980 activities were:

Task 1 - A draft of the state-of-the-art report on decontamination is expected by 10/15/80. Internal review will start when it is completed. The report will be prepared in such a manner that the special considerations involved in using decontamination as a precursor are clearly identified and discussed. In addition, literature of interest to the NRC program entitled "Decontamination Experience and Technology" will also be included.

Task 2 - Progress and schedules relating to the experimental program were discussed with you at Richland in early September 1980. Difficulties in obtaining samples have delayed our experimental efforts. To avoid future delays and provide for a comprehensive sampling program we have suggested (in concert with D.E. Robertson and his allied program) that a sampling mix of the following type be used to acquire needed materials:

Type \ Sources	"Clean" Operation	"Moderate" Operation	"Dirty" Operation
PWR	1-2	1-2	1-2
BWR	1-2	1-2	1-2

An internal report by E.M. Woodruff entitled "Sampling the Pathfinder Reactor" was given to you to show pictures of the operations undertaken at that reactor to acquire samples.

Task 7 - A short status report of the project entitled "Decontamination as a Precursor to Decommissioning" was provided to you when you were at Richland. The need to prepare and forward an annual report was also

Mr. D.E. Solberg
U.S. NRC
October 6, 1980
Page Two



discussed with you in September. It is our understanding that such a report will not be required for FY-1980, our efforts should be directed toward the preparation and publication of the state-of-the-art report.

Expenses through September 28, 1980 were \$72,289 out of the \$120,000 allocated for our work.

Kindest regards.

Sincerely,

A handwritten signature in dark ink, appearing to read "Lyle D. Perrigo". The signature is written in a cursive style with some loops and flourishes.

Lyle D. Perrigo, Manager
Technology Transfer Section

LDP:sab

cc: R.L. Dillon
R.I. Smith

INTERIM REPORT

October 27, 1980

Accession No. _____
Contractors Report No. _____

Contract Program or Project Title: Investigation of Ventilation Component
Response to Large Pressure Pulses

Subject of this Document: Reporting for August 1980

Type of Document: Informal monthly progress report

Author(s): William S. Gregory

Date of Document: October 17, 1980

Responsible NRC Individual and NRC Office or Division: _____

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

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Prepared by
Los Alamos Scientific Laboratory
P.O. Box 1663
Los Alamos, New Mexico 87545

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

NRC FIN No. A7028

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J. Ayer
A. T. Clark
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G. Lewis
D. Solberg

INTERIM REPORT

NRC Research and Technical
Assistance Report

University of California



LOS ALAMOS SCIENTIFIC LABORATORY

Post Office Box 1663 Los Alamos, New Mexico 87545

In reply refer to: WX-8-3887 (R295)
Mail stop: 92P

October 17, 1980

Mr. D. E. Solberg, Chief
Systems Performance Branch
Division of Safeguards, Fuel Cycle
and Environmental Research
US Nuclear Regulatory Commission
MS 1130SS
Washington, DC 20555

Dear Don:

SUBJECT: R295 MONTHLY PROGRESS REPORT FOR AUGUST 1980--INVESTIGATION
OF VENTILATION COMPONENT RESPONSE TO LARGE PRESSURE PULSES

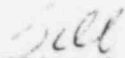
Damper Testing - We received three sets of drawings for the American
Warming and Ventilation Company (Toledo, Ohio) dampers. One set was
sent to New Mexico State University for reference in installation of
the dampers on the test apparatus in December 1980.

Blower Testing - Fabrication of two transition pieces for the axivane
blowers was completed. Fabrication of the axivane blower test stand is
in progress.

Laser Anemometer/Particle Counter - Both upstream and downstream systems
have been assembled and demonstrated. The beam from a single 25-mW
laser was split and used to illuminate both sensitive volumes. Data
taken from the two systems exhibit expected values in both velocity
dispersion and count ratios for new and loaded 8-in. filters.

Please call if you have questions or need clarification.

Sincerely,


William S. Gregory

WSG:kmt

Distribution: See attached sheet

NRC Research and Technical

Mr. D. E. Solberg
WX-8-3887 (R295)

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October 17, 1980

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Will
William S. Gregory

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