

LETTER REPORT

January 8, 1981
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Contract Program or Project Title: _____

Decontamination as a Precursor to Decommissioning

Subject of this Document: Progress reported for November and December 1980

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Author(s): Lyle D. Perrigo

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Responsible NRC Individual and NRC Office or Division

Donald E. Solberg, Chief, Systems Performance Research Branch

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

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

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Distribution

G. Calkins
C. Feldman
R. Emch
L. Barrett
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NRC Research and Technical
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Pacific Northwest Laboratories

P.O. Box 999

Richland, Washington 99362

Telephone (509) 376-9024

Telex 32 6345

January 5, 1981

Mr. Donald E. Solberg, Chief
Systems Performance Branch
Office of Nuclear Regulatory
Research
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." November and December 1980 activities were:

Task 1 - Literature Review & Background Development.

A draft of the report entitled Decontamination Processes for Restorative Operation and as a Precursor to Decommissioning: A Literature Review was completed and reviewed internally at PNL. Modifications were made in early December; a revised draft was forward to you as well as Frank Witt on 12/22/80. To meet a 4/1/81 publication and distribution date we need NRC comments on or before 1/31/81.

Task 2 - Process Evaluation.

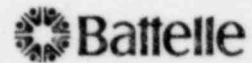
Experimental work on Pathfinder Reactor samples started in December 1980. Requests for samples from Monticello and Surry reactors have been made in keeping with the experimental protocol described in our September 1980 monthly administrative report. Use of Monticello and Surry samples will make possible a more expeditious process evaluation effort.

Task 4 - Radiation Exposure & Safety.

The computer program developed for this task was used and funded by another NRC branch to calculate TMI-2 exposures for a PEIS revision. The program worked well; this is encouraging because it will make future task 4 work easier.

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G.A. Halseth, PNL, joined the Technology Transfer Section on 11/1/80; he will be involved in future Task 4 and 6 efforts.

Expenses through 11/30/80 and 12/28/80 were respectively \$94,672 and \$104,065 out of \$375,000 allocated for our work.

Kindest regards.

Sincerely,

A handwritten signature in dark ink, appearing to read "Lyle D. Perrigo".

Lyle D. Perrigo, Manager
Technology Transfer Section
Materials Department

LDP:sab

cc: R.L. Dillon, PNL
R.I. Smith, PNL
F.J. Witt, NRC