

INTERIM REPORT

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Contract Program or Project Title: _____

Investigation of Ventilation Component Response to Large Pressure Pulses.

Subject of this Document: Progress reported for May 1980

Type of Document: Informal monthly progress report.

Author(s): William S. Gregory

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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.

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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
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In reply refer to: WX-8-3667 (R295)
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June 27, 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 MAY 1980--INVESTIGATION OF
VENTILATION COMPONENT RESPONSE TO LARGE PRESSURE PULSES.

Damper Testing - As the HEPA filter test program winds down, the blower and damper test plans are coming up to speed. An electric-to-pneumatic controller for the dampers has been ordered and New Mexico State University (NMSU) has been apprised of the need for a transition piece for one damper. W. Pysh of Techno Corporation, Erie, Pennsylvania, was contacted and is supplying one of their automatic tornado dampers. It will probably be the first damper to arrive at the test facility.

Blower Testing - Work is in progress at NMSU to set up for testing the two axivane fans.

LASER Anemometer/Particle-Counter - We have moved the laser system for the 8-in. continuous flow section to the 8-in. blowdown test section. We found that because test section wall motions tend to defocus the laser beam crossing point, special mounting of the entrance windows was required. We hope to correct this problem next month.

NRC Research and Technical
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D. E. Solberg
WX-8-3667 (R295)

June 27, 1980

We obtained electron micrographs of the membrane filters and particles collected this month. The number of particles collected on the membrane filter was too small to be statistically significant, but it compares within reasonable limits to the counts obtained with the laser anemometer/particle counter.

Please call if you have questions or need clarification.

Sincerely,


William S. Gregory

WSG/tg

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