

STATE OF MISSOURI

Mel Carnahan, Governor • David A. Shi

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF ENVIRONMENTAL QUALITY
P.O. Box 176 Jefferson City, MO 65102-0176

December 24, 1997

Mr. Louis A. Dell'Orco
Deputy Project Manager, COE
FUSRAP Office
9170 Latty Avenue
Berkeley, MO 63134

RE: St. Louis Downtown Site (SLDS) Air Monitoring Results during Building Demolition

Dear Mr. Dell'Orco:

The Federal Facilities Section of the Missouri Department of Natural Resources has reviewed the above mentioned document submitted by the Corps of Engineers (COE). The document included a brief explanation of the air monitoring and air monitoring results from and during the activity of building demolition. The results are used to determine the exposure caused by the activities conducted at SLDS. DOE set a limit of 100 mrem per year exposure to the general public (DOE order 5400.5) from activities conducted by them.

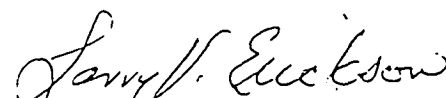
After review of the document, the following comments were developed and are being supplied to you for response:

- 1) What do negative numbers mean in the results? Does it mean that a person is only exposed to back ground levels?
- 2) What about exposure to workers, both Mallinckrodt's and the subcontractor's?
- 3) What was background? Where and when was it determined?
- 4) We have the %DAC but what about the total exposure if a person was in the area during the entire period of the activity (building demolition)?
- 5) What does environmental (Background) samples taken on 07/02/97 and 07/03/97 mean and how can there be negative numbers?

If you have any questions or comments, please contact me at (573) 751-3087.

Sincerely,

HAZARDOUS WASTE PROGRAM



for Scott F. Honig
Environmental Engineer
Federal Facilities Section

SFH:lg