

**OAK RIDGE NATIONAL LABORATORY**MANAGED BY MARTIN MARIETTA ENERGY SYSTEMS, INC.  
FOR THE U.S. DEPARTMENT OF ENERGYPOST OFFICE BOX 2008  
OAK RIDGE, TENNESSEE 37831

June 14, 1994

Dr. W. A. Williams  
EM-421  
Trevion II Building  
Department of Energy  
Washington, D. C. 20585

Dear Dr. Williams:

**Trip Report: Radiological Survey of Former Associate Aircraft Tool and Manufacturing Company Site, Fairfield, Ohio (FOH001), May 31 and June 1, 1994**

On May 31 and June 1, a radiological survey was conducted in the area surveyed during the March 7, 1994 survey in the referenced facility. This letter provides the results of that survey.

Survey methods consisted of a beta-gamma survey of the surface of the concrete as the floor covering material was being removed by a construction contractor to begin renovation of the former engineering offices located in Section Four of the building. This survey was requested by current owners, due to the elevated floor readings found previously in the vicinity.

The area labeled as Conference Room was thoroughly scanned using "pancake" G-M detectors. With the exception of four elevated spots, the remainder of the floor was less than 150 cpm gross, beta-gamma. One of the four spots was remediated to less than 150 cpm gross, beta-gamma. A point source in the northwest corner of the room was found reading approximately 460 cpm gross, which corresponds to approximately 2,100 dpm/100 cm<sup>2</sup>. Another point source, which was approximately three feet from the northwest corner of the room, was found reading approximately 760 cpm gross, but was remediated to less than 300 cpm, which corresponds to approximately 1,300 dpm/100 cm<sup>2</sup>. Both of these spots are less than the guideline of 5,000 dpm/100 cm<sup>2</sup> for average contamination as listed in Figure IV-1 of Department of Energy 5400.5. One planar area of contamination was found approximately three feet from the northwest corner of the room. The reading was approximately 400 cpm gross, which corresponds to approximately 11,000 dpm/100 cm<sup>2</sup>, which is less than the guideline of 15,000 dpm/100 cm<sup>2</sup> for maximum contamination, as listed in Figure IV-1 of Department of Energy 5400.5.

A section of the flooring was removed in each of the two rooms labeled "office(s)". All readings were less than 80 cpm gross, beta-gamma.

A section of the flooring was removed in the room labeled "drawings". All readings were less than 120 cpm gross, beta-gamma.

The flooring was removed approximately two feet into the "Work Area," all readings were less than 150 cpm gross, beta-gamma. The remainder of the flooring in this room was not removed but was surveyed, since this room reportedly was added after the Atomic Energy Commission activities had ended.

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If there are any questions concerning this survey, please contact Kyle R. Kleinhans (615-574-1777) or Michael E. Murray (615-574-5838).

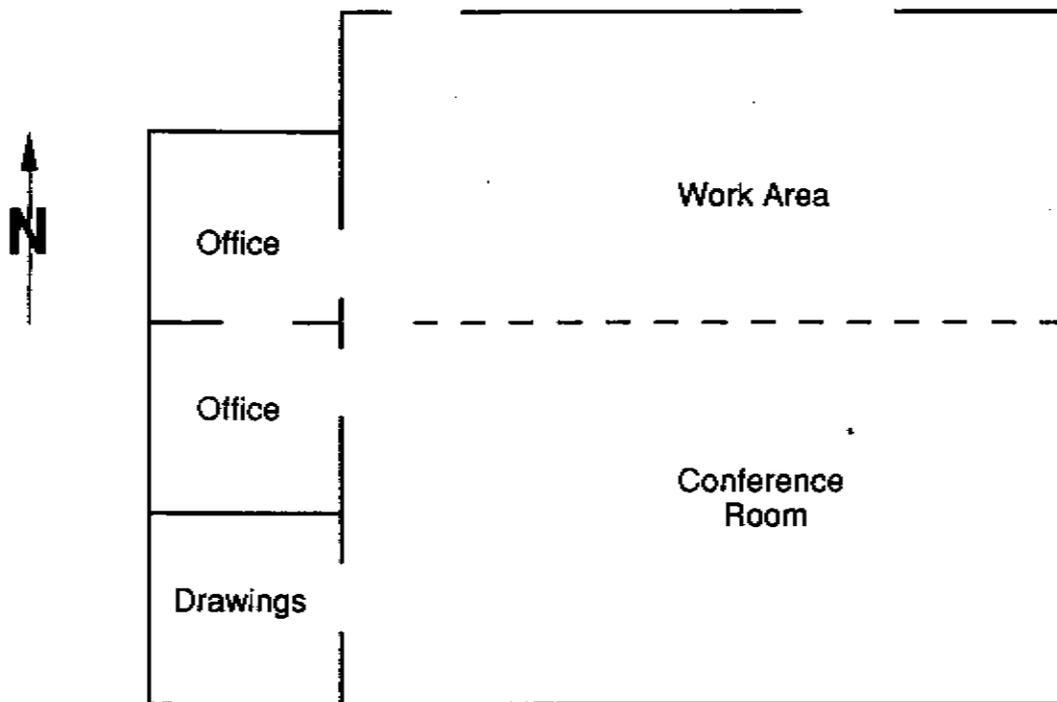
Sincerely,



Kyle R. Kleinhans  
Measurement Applications  
and Development Group

KRK:ec

c: W. D. Cottrell  
R. D. Foley  
M. E. Murray  
File-RC



For reference, see Fig 12 from ORNL/RASA-93/2  
NOTE: NOT TO SCALE