



OSEH

Occupational Safety &
Environmental Health

University of Michigan
Occupational Safety & Environmental Health
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April 12, 2012

Toye L. Simmons
Materials Licensing Branch
U.S. Nuclear Regulatory Commission, Region III
2443 Warrenville Road, Suite 210
Lisle, Illinois 60532-4352

RE: Matthaei Botanical Gardens Radiological Close-out Survey
University of Michigan
Broad Scope Materials License No. 21-00215-04

Dear Ms. Simmons:

This correspondence is in response to the request by the Nuclear Regulatory Commission (NRC) for the laboratory close-out survey documentation for the University of Michigan Matthaei Botanical Gardens conducted in May 1992.

Please find attached the lab close-out correspondence drafted for the Director of the Botanical Gardens, Professor James Teeri dated May 22, 1992. Dr. Teeri was also the Authorized User who used carbon-14 (C-14) at the Botanical Gardens. No C-14 contamination was identified in the laboratory (Room 163) where Dr. Teeri and his staff used C-14.

Dr. Teeri's radionuclide authorization application indicates that he was approved by the U-M Radiation Policy Committee for an Order/Transfer limit of 5 millicuries of C-14 and a possession limit of 10 millicuries. Only C-14 was used in Dr. Teeri's radioactive material laboratory located within the Botanical Gardens.

I hope this documentation is sufficient in responding to your request regarding the radiological close-out of the Botanical Garden facility. Please do not hesitate to contact me at Radiation Safety Service / OSEH [(734) 647-2251] should you have any questions or comments regarding the attached information.

Sincerely,

Mark L. Driscoll
Director / Radiation Safety Officer
Radiation Safety Service / OSEH

MLD/mld
NRCBotanicalGardenCloseout041212.doc

THE UNIVERSITY OF MICHIGAN
OCCUPATIONAL SAFETY & ENVIRONMENTAL HEALTH
(OSEH)

1077 NORTH UNIVERSITY BLDG.
764-8310

TO: Dr. James Teeri, Director
Biological Station - Campus Office
1111 Natural Science 1048

FROM: Dennis Palmieri, Health Physicist *D. Palmieri*
Radiation Safety Service
1101 North University Bldg. 1057

DATE: May 22, 1992

SUBJECT: Decommissioning of Room 163 Botanical Gardens

Decommissioning refers to the complete removal of radioactive material and/or contamination from a room previously designated as a radioactive materials laboratory. Radiological safety personnel from Radiation Safety Service (RSS) routinely decommission labs and determine that these areas are free of radioactive contamination and can be renovated and/or used as general (non-radioactive) laboratory or office spaces.

On May 20, 1992, a comprehensive radiological survey was conducted in room 163 of the Botanical Gardens. The results of the survey revealed no radioactive contamination within room 163.

The survey was conducted using approximately 30 smear filters, a sensitive Johnson & Associates G-M survey meter, and a "frisker/pancake" probe. The smears were analyzed using a calibrated liquid scintillation counter at RSS. Surveyed areas included the following items: entire floor area, sink basins, bench tops, inside & outside hood surfaces, outer/inner drawers, refrigerators/freezers, centrifuges, shelves, cabinets, tables, and door & drawer handles.

It should be noted that any chemical wastes left behind in a vacated laboratory should be reported to The U-M Occupational Safety & Environmental Health Department (OSEH/764-8310) for proper disposal.

Radioactive labels and tape should be removed from the bench tops, hood ledges, doors, etc. (if applicable) at this time.

Thank you for your assistance and cooperation in this decommissioning effort. Please do not hesitate to contact Radiation Safety Service (764-4420) should you have any questions regarding this decommissioning correspondence.

MLD/sak
DECOM

cc: Hank Baier, OSEH
RSS Files