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Report/Article Title Letter to Dr. Glenn E. Haugie from Alvin L. Young,
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Description Notes Letter gives Young's comments on the General Conclusions, Detection Limits and Guidelines for Re-entry into the Binghamton State Office Building. Mentioned attachments can be found in item 2199 along with a copy of this letter.

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Dr. Glenn E. Haughie
Director, Office of Public Health
State of New York Department of Health
Tower Building, Empire State Plaza
Albany, NY 12237

Dear Dr. Haughie:

Please accept my apology for the delay in replying to your April 9, 1982, letter. I have reviewed the comments on General Conclusions, Detection Limits and Guidelines for Re-entry into the Binghamton State Office Building. I concur with the comments. Although I'm in agreement that the most important route of human exposure in the State Office Building will be through inhalation, the extent of dermal exposure needs to be periodically evaluated by the use of wipe tests and the cell Keratinization bioassay.

The concept of "TCDD equivalents" is the only practical solution to the chemical mixture present in the soot. Accordingly, guidelines of 0.3 pg 2,3,7,8-TCDD/m³ and 12 pg 2,3,7,8-TCDF/m³ should provide the public with an adequate safety margin and permit appropriate chemical and biological monitoring during the clean-up operation.

In regards to sampling for TCDD and TCDF please find attached the following three articles.

Ackerman, D., et al. 1978, At-Sea Incineration of Herbicide Orange On board the M/T Vulcanus. EPA Report 600/13. Available as PB-281-690, National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

Hileman, F.D., et al. 1981. Program for Monitoring Potential Contamination in the Laboratory Following the Handling and Analyses of Chlorinated Dibenzop-dioxins and Dibenzofurans. Presentation to the International Symposium on Chlorinated Dioxins and Related Compounds, 26-28 October 1981, Arlington, VA.

Hryhorczuk, D.O., et al. 1981. A Wire Reclamation Incinerator as a source of Environmental Contamination with Tetrachlorodibenzo-p-dioxins and Tetrachlorodibenzofurans. Arch. Environ. Health 36(5): 228-234.

As you begin the decontamination of the Binghamton State Office Building, I urge that you maintain close monitoring of the contractor operations. In addition, I strongly suggest you establish a more effective public relations program. It is essential that you keep the citizens of Binghamton appraised of the clean-up operations. If I can be of further assistance to you, please contact me.

Sincerely,

Signed and Dispatched

ALVIN L. YOUNG, Ph.D.
Specialist in Environmental Sciences
Environmental Medicine

Enclosures