



Mark A. Pfister, MSES, LEHP
Executive Director

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Libertyville, Illinois 60048
Phone 847 377 8020

September 2, 2020

Kathryn Siegel, Chief
Air Toxics and Assessment Branch
Air and Radiation Division
U.S. EPA Region 5
77 West Jackson Boulevard
Chicago, IL 60604-3507

RE: Request for assistance with further analysis of Ethylene Oxide sample results

Dear Ms. Siegel:

The Lake County Health Department (LCHD) has appreciated U.S. EPA's technical assistance throughout our ethylene oxide monitoring campaign. As part of our continued partnership, we are requesting that U.S. EPA give us feedback on the data quality of samples collected during Phase III. Phase III was LCHD's final phase of monitoring. It was conducted from April 4 to May 2, 2020, after Medline and Vantage had each completed the installation of controls. Given the importance of this data, we are requesting that U.S. EPA recommend if any sample results should be flagged or invalidated due to quality assurance concerns.

Through discussions with our contractor, GHD Services Inc, and the laboratory they worked with, Eastern Research Group (ERG), we have questions about some of the summa canister pressure readings that recorded in both the field and laboratory. We request that U.S. EPA review these pressure readings to determine if there are any data quality issues. We would also appreciate U.S. EPA's review of available chromatograms from ERG. U.S. EPA's review of these chromatograms would confirm the presence of ethylene oxide or other compounds in the samples we collected.

If you have any questions, please feel free to call me directly at 847-377-7788. Again, we thank you for your partnership and look forward to your recommendations.

Sincerely,

A handwritten signature in black ink, appearing to read "L. Mackey". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Lawrence J. Mackey, LEHP
Director, Environmental Health, Lake County Health Department

cc: Mark Pfister, Executive Director, Lake County Health Department and Community Health Center