



April 14, 1981

Mr. Mark A. Storer
Warehouse General Supervisor
Frigidaire Parts and Service Co.
3535 South Kettering Blvd.
P.O. Box WC 4900
Dayton, Ohio 45449

Dear Mr. Storer:

On March 17, 1981, a visit was made to the above company in response to a request for an industrial hygiene survey for carbon monoxide fumes. I understand this request was precipitated by a formal grievance filed by the Local Union, concerning such fumes being given off possibly by a forced air gas furnace, which supplies heat to the area of the eight warehouse loading/off loading docks.

An Energetics Science Inc., Carbon Monoxide Analyzer, Series 2000, portable survey meter, SN1536, calibration date 2/81 was placed in the aforementioned areas to take direct readings of carbon monoxide fumes. Ambient levels of 12 - 15 parts per million of carbon monoxide were detected.

The American Conference of Governmental Industrial Hygienists (ACGIH) has established that carbon monoxide (when averaged over an 8-hour workday, 40 hour work week) levels are not harmful to the majority of the population at 50 parts per million (ppm). This is also the current Occupational Safety and Health Standard. However, it must be recognized that there is a wide variation in individual susceptibility, and some people may suffer discomfort or aggravation from concentrations below the established threshold limit value. In fact, the National Institute of Occupational Safety and Health has proposed the limit be decreased to 35 parts per million.

With the use of electric forklifts in the warehouse I can see no health hazardous levels of carbon monoxide culminating. However, continued enforcement of truck engine cut-off, once backed into the docks, should be continued as in the past.

The Industrial Commission of Ohio • Division of Safety and Hygiene • 246 N. High St. • Columbus, Ohio 43215

James A. Rhodes, Governor • William W. Johnston, Industrial Commission Chairman • W. Craig Zimpher, Vice Chairman • Leonard T. Lancaster, Member
Philip A. Workman, Safety and Hygiene Superintendent • Bob Riley, Assistant Superintendent • Lawrence J. Whalen, Congress Manager

Frigidaire Parts and Service
Dayton, Ohio

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I would suggest an inspection be performed of the forced air gas furnace by a competent furnace repairman. Even though no carbon monoxide fumes were detected, and no unusual odors noted, it is good practice to have such devices checked periodically to insure they are operating properly, and do not present a fire or explosive hazard. Such inspection is out of my area of professional competence, and expertise.

If you have any questions, or desire further assistance, please feel free to contact me through the Dayton District Office, extension 898-3206, or through our Central office, toll-free, 1-800-282-3045, extension 5563.

We would like to take this opportunity to invite you to the 51st All-Ohio Safety Congress and Exhibit April 28 - 30, 1981 at the Hyatt Regency - Ohio Center in Columbus.

Respectfully submitted,

Glenn L. Davis
Glenn L. Davis
Industrial Hygienist

GLD/nlg

Dayton

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Supervisor, Microfilming Unit

By: John Frey
(Camera Operator)

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