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April 16, 1996

Diane Manning
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Mail Stop C34 - 4676 Columbia Parkway
Cincinnati, OH 45226-1998

Dear Ms. Manning:

Thank you for the opportunity to review the draft criteria document on Metal Working Fluids. The document is well done and very timely. I applaud NIOSH's initiative on this issue.

Specific additions:

- 1) Pg. 19, section 4.1.2. There are additional studies of cancer in broad occupational groups. For example, without doing a literature search, I am aware of the following article - Hall N and Rosenman KD. Cancer by industry: analysis of a population-based cancer registry with an emphasis on blue-collar workers. Amer J. Industrial Medicine 1991; 19:145-159. There are associations in our paper with MWF using industries.
- 2) Pg. 68, section 4.2.1.2. One of the lung conditions associated with exposure to cobalt is a hypersensitivity pneumonitis with a particular multinucleated giant cell seen on biopsy. Although this has been described in diamond polishers which I believe is done dry, a number of the reports describe coolant exposure: Cugell DW et al The Respiratory Effects of Cobalt. Archives of Internal Medicine 1990; 150:177-183; Sjogren I et al. Hard Metal Lung Disease: Importance of Cobalt in Coolant. Thorax 1980; 35: 653-659. Perhaps the acute form of interstitial pneumonitis reported with cobalt is actually, at least in some cases, secondary to the MWF.

R E C E I V E D

APR 23 1996

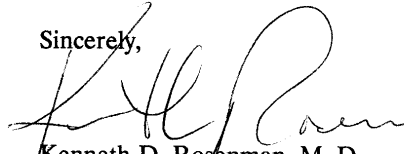
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- 3) Pg. 69, section 4.2.1.4. I am aware of 2 other outbreaks of hypersensitivity pneumonitis: (1) GM plant, Ontario - A physician at McMasters has written to Dr. Fine about this outbreak; (2) Chrysler plant, Kenosha, Wisconsin. The Wisconsin Health Department is currently investigating. Dr. Henry Anderson, Chief Medical Officer could provide details.
- 4) Pg. 76, section 4.2.2.3. Enclosed is a copy of a wording change to more accurately describe our data.
- 5) Pg. 220, references. A number of references in the text are not included (ie. Burge Rossmore (1981) etc.

Thank you for the opportunity to review the draft.

Sincerely,



Kenneth D. Rosenman, M. D.
Professor of Medicine

KDR/rjv