



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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ACTION
H. SPITZ
12/22/87

December 17, 1987

OFFICE OF
RESEARCH AND DEVELOPMENT

MEMORANDUM

SUBJECT: Review of Reproductive Epidemiology in the Draft document entitled
"A Cancer Risk-Specific Dose Estimate for 2,3,7,8-TCDD"

FROM: Sherry G. Selevan, Ph.D., Epidemiologist
Reproductive Effects Assessment Group (RD-689) Sgs

TO: Peter W. Preuss, Ph.D.,
Director, Office of Regulatory Support
and Scientific Analysis (RD-672)

I have specifically reviewed those items in the text which relate to Appendix D (Usefulness of Epidemiologic Data in the Risk Assessment of Human Reproduction and 2,3,7,8-TCDD (DIOXIN) Exposure). Under the section where a reference to the human reproductive data would fall (Effects on Development and Reproduction, pages 18-9), there was essentially no information on human research, and no reference to the Appendix in which information could be found. A very brief discussion of the data available and their limitations would be appropriate here.

There is a discussion of the half-life of 2,3,7,8-TCDD and body burden in the middle of page 37. Some of this information is out of date (starting with: This data base will be augmented significantly when CDC completes a study . . .). A preliminary report of these data was published last summer and is described in Appendix D. This paragraph should be modified to reflect these new data.

I have already discussed these comments with Bill Farland. I hope you find them useful.

cc: William Farland