



The Dow Chemical Company  
Midland, Michigan 48674  
USA

April 2, 2009

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CONTAINS NO CONFIDENTIAL BUSINESS INFORMATION

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(Attn: TSCA Section 8(e) Coordinator)  
Office of Pollution Prevention and Toxics  
Environmental Protection Agency  
1200 Pennsylvania Avenue, NW  
Washington, DC 20460-0001



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Re: 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)  
CASRN 1746-01-6

2,3,4,7,8-Pentachlorodibenzofuran (4-PeCDF)  
CASRN 57117-31-4

2,3,7,8-Tetrachlorodibenzofuran (TCDF)  
CASRN 51207-31-9

Dear Sir/Madam:

The following information is being submitted by The Dow Chemical Company (Dow) pursuant to current guidance issued by EPA indicating EPA's interpretation of Section 8(e) of the Toxic Substances Control Act. Dow has made no determination as to whether a significant risk of injury to health or the environment is actually presented by the findings.

Sub-chronic feeding studies of TCDD, TCDF and 4-PeCDF were initiated in female ranch mink that were subsequently mated to unexposed males. The resulting kits were continued on the dietary administration until 27 weeks of age. Mink are reported to be sensitive to dioxins with the development of squamous cell proliferation of the oral mucosa that can eventually lead to loss of specific teeth. The well-described jaw lesions for TCDD were observed to occur in a treatment-related manner in juvenile mink for TCDF and 4-PeCDF.

Questions may be addressed to the undersigned.

Sincerely,

Imogene E. Treble  
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