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The Dow Chemical Company
Midland, Michigan 48674
USA

1803 BUILDING
October 9, 2008

CERTIFIED MAIL--RETURN RECEIPT REQUESTED 7004 2890 0001 1272 36

CONTAINS NO CONFIDENTIAL BUSINESS INFORMATION

Document Processing Center (7407M)
(Attn: TSCA Section 8(e) Coordinator)
Office of Pollution Prevention and Toxics
Environmental Protection Agency
1200 Pennsylvania Avenue, NW
Washington, DC 20460-0001

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

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CONTAINS NO CBI

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.

The Dow Chemical Company sponsored a mink reproduction-developmental research project at Michigan State University. The in-life portion of the study has been completed with limited, preliminary data available.

The study employed the following dosages: TCDD (2.6, 5.2, 10, and 13 ng/day/day); TCDF (9.1, 13, 32, and 39 ng/kg/day); 4-PeCDF (5.2, 91., 13 and 19.5 ng/kg/day).

The preliminary results show that 4 out of 9 female mink dosed with the highest dosage of 4-PeCDF did not whelp secondary to hypoplastic uteri.

At the 27 week conclusion of the 1st generation in-life portion of the study, autopsies of kits born to the mothers treated with all three test substances exhibited minimal to significant gingival hyperplasia. These preliminary results are still pending completion of study analyses with preparation of a final report.



CONTAINS NO CBI

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EPA, TSCA 8(e) Coordinator
October 3, 2008
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Questions may be addressed to the undersigned.

Sincerely,

Linda C. Burgert

Linda C. Burgert
PH: 989-636-1011
FAX: 989-638-9933
E-MAIL: lburgert@dow.com

jt