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The Dow Chemical Company  
Midland, Michigan 48674

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August 14, 2006

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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

**Contains No CBI**

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

**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.

Results of 1-generation reproductive toxicity testing, where the test substance was administered on gestation day 15 to groups of 25 Crl Wistar Han rats/dose by single oral gavage or in the diet for 12 weeks beginning with gestation day 15 through the end of gestation, were presented by researchers David Bell, Ph.D., University of Nottingham, Nottingham, United Kingdom, and Martin Rose, Ph.D., Central Science Laboratory, York, United Kingdom, at a seminar sponsored by the Center for Integrative Toxicology. The test substance was administered at 0, 50, 200, 1000 ng/kg-BW/day. Delay in puberty onset was seen in male pups for acute dose levels 200 and 1000 ng/kg-day and at all dose levels in the chronic study. Lethality was observed in 10-25% of the fetuses at the 1000 ng/kg-day dose level in both the acute and chronic studies.



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Environmental Protection Agency  
August 14, 2006  
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Questions may be addressed to the undersigned.

Sincerely,

A handwritten signature in cursive script that reads "Linda C. Burgert". The signature is written in dark ink and is positioned to the right of the word "Sincerely,".

Linda C. Burgert  
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FAX: 989-638-9933  
E-MAIL: [lburgert@dow.com](mailto:lburgert@dow.com)

jt