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April 2, 2007

8EHQ-80-394

Via Federal Express

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Room 6428
Attention: 8(e) Coordinator
Office of Pollution Prevention and Toxics
U.S. Environmental Protection Agency
1201 Constitution Ave., NW
Washington, DC 20460

CONTAINS NO CBI

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Dear 8(e) Coordinator:

8EHQ-0381-0394
Perfluorooctanoate (PFOA)
Longitudinal Study Supplement

This letter is submitted as a supplement to our May 15, 2006 submission to the above-identified file.

In the May 15, 2006 submission, we reported the results of a longitudinal study of serum total cholesterol related to serum PFOA measurements in a group of employees at the DuPont Washington Works, West Virginia plant that participated at least twice in a voluntary serum sampling program at the plant over the last 25 years. Using a mixed effects statistical model with repeated measures for the 454 employees with at least two measurements of serum PFOA, the essential results showed an increase of total cholesterol with increasing serum PFOA of about 1 mg/dl cholesterol per 1 ppm PFOA. A poster presentation was enclosed.

Additional data analysis of the results of this study has been completed subsequent to the May 15th submission. From this additional analysis, it was noted that serum PFOA was also negatively associated with total bilirubin (0.008 mg/dl decline per ppm) and positively associated with serum aspartate aminotransferase (0.35 units increase per ppm), but not with other liver enzymes.

While DuPont does not believe this information is substantial risk information reportable under TSCA 8(e), DuPont is submitting the information to the TSCA 8(e) office in view of the Agency's continued interest in perfluorinated substances.

Sincerely,

A. Michael Kaplan, Ph.D.
Director - Regulatory Affairs and Occupational Health

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TSCA 8(e) Submission: 8EHQ-0381-0394
Perfluorooctanoate
Washington Works Phase III – Longitudinal Study

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