

**Submission to the
Scientific Advisory Board
Asbestos Committee**

by

**Caterpillar Inc., Honeywell International,
Chrysler Corporation, and International Harvester**

July 7, 2008

*Submitters request that the Committee
members consider the following studies in addition to
those cited in the OSWER proposed approach draft report.*

I. Studies Demonstrating Fiber Type Distinction (Charge Question 1)

- Bernstein, David M., Rogers, Rick, and Smith, Paul. The Biopersistence of Brazilian Chrysotile Asbestos Following Inhalation. *Inhalation Toxicology*. 16:745-761 (2004).
- Bernstein, David M. Understanding Chrysotile Asbestos: A New Perspective Based Upon Current Data. *IOHA: Paper J3* (2005).
- Bernstein, David M., Rogers, Rick, and Smith, Paul. The Biopersistence of Canadian Chrysotile Asbestos Following Inhalation. *Inhalation Toxicology* 15:1247-1274 (2003).
- Bernstein, David M., Hoskins, John A. The Health Effects of Chrysotile: Current Perspective Based Upon Recent Data. *Regulatory Toxicology and Pharmacology*. 45:252-64 (2006).
- Yarborough, Charles M. Chrysotile as a Cause of Mesothelioma: An Assessment Based on Epidemiology. *Critical Reviews in Toxicology*. 36:165-187 (2006).
- Yarborough, Charles M. The Risk of Mesothelioma from Exposure to Chrysotile Asbestos. *Current Opinion in Pulmonary Medicine*. 13:334-338 (2007).
- Hodgson, John T., Darnton, Andrew. The Quantitative Risks of Mesothelioma and Lung Cancer in Relation to Asbestos Exposure. *Ann. Occup. Hyg.* 44:565-601 (2000).
- Mossman, B. T., Bignon, J., Corn, M., Seaton, A., Gee, J. B. L. Asbestos: Scientific Developments and Implications for Public Policy. *Science*. 247:294-300 (1990).
- ATSDR, Eastern Research Group, Inc. Report on the Expert Panel on Health Effects of Asbestos and Synthetic Vitreous Fibers: The Influence of Fiber Length (2003), located at <http://www.atsdr.cdc.gov/hac/asbestospanel/asbestostoc.html>
- White, Neil, Nelson, Gill, Murray, Jill. South African experience with asbestos related environmental mesothelioma: Is asbestos fiber type important? *Regulatory Toxicology and Pharmacology*. (2007) (in press).
- Britton, Mark. The Epidemiology of Mesothelioma. *Seminars in Oncology*. 29:18-25 (2002).
- Stettler, Lloyd E., Sharpnack, Douglas D., Kreig, Edward F. Chronic Inhalation of Short Asbestos: Lung Fiber Burdens and Histopathology for Monkeys Maintained 11.5 years after Exposure. *Inhalation Toxicology*. 20:63-73 (2008).
- Mossman, Brook T., Churg, Andrew. Mechanisms in the Pathogenesis of Asbestosis and Silicosis. *Am J. Respir Crit Care Med*. 157:1666-1680 (1998).

II. Studies Addressing Lack of Risk from Chrysotile at Low Doses (Charge Question 1)

Pierce, Jennifer S., McKinley, Meg A., Paustenbach, Dennis J. and Finley, Brent, L. An Evaluation of Reported No-Effect Chrysotile Asbestos Exposures for Lung Cancer and Mesothelioma. *Critical Reviews in Toxicology*. 38:191-214 (2008).

Butnor, Kelly J., Sporn, Thomas A., Roggli, Victor L. Exposure to Brake Dust and Malignant Mesothelioma: A Study of 10 Cases with Mineral Fiber Analyses. *Ann. Occup. Hyg.* 47: 325-330 (2003).

Roggli, V. L., Pratt, P. C., and Brody, A. R., Asbestos Content of Lung Tissue in Asbestos Associated Diseases: a study of 110 cases. *British Journal of Industrial Medicine* 43:18-28 (1986).

Goodman, Michael, Teta M. Jane, Hessel, Patrick A., Garabrant, David H., Craven, Valerie A., Scrafford, Carolyn G., and Kelsh, Michael A. Mesothelioma and Lung Cancer Among Motor Vehicle Mechanics: a Meta-analysis. *Ann. Occup. Hyg.* 48:309-26 (2004).

Laden, Francine, Stampfer, Meir J., and Walker, Alexandder M. Lung Cancer and Mesothelioma Among Male Automobile Mechanics: A Review. *Reviews on Environmental Health*. 19:39-61 (2004).

Hessel, Patrick A., Teta, M. Jane, Goodman, Michael and Lau, Edmund. Mesothelioma Among Brake Mechanics: An Expanded Analysis of a Case-Control Study. *Risk Analysis*. 24:547-52 (2004).

Roggli, Victor L., Vollmer, Robin T., Twenty-Five Years Of Fiber Analysis: What Have We Learned. *Human Pathology*. (2007) (in press).

III. Additional Studies to Consider for Bin Assessment

Dement, John M., Brown, David P., and Okun, Andrea. Follow-Up Study of Chrysotile Asbestos Textile Workers: Cohort Mortality and Case-Control Analyses. *American Journal of Industrial Medicine*. 26:431-447 (1994).

Newhouse, M. L., Sullivan, K. R., A Mortality Study Of Workers Manufacturing Friction Materials: 1941-86. *British Journal of Industrial Medicine*. 46:176-179 (1989).