UNIVERSITY OF Cincinnati

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January 31, 2012

Diana Wong, Ph.D
Designated Federal Officer
Scientific Advisory Board
U.S. EPA

RE: Material for SAB review related to the Draft Toxicological Review of Libby Amphibole Asbestos

Dear Dr. Wong,

Attached please find material for review by the Scientific Advisory Board (SAB) related to the Draft Toxicological Review of Libby Amphibole Asbestos. The file contains information about upcoming analyses/publications related to the Marysville, Ohio cohort. This cohort is instrumental in understanding the health risks associated with Libby amphibole exposure. The SAB may find it useful to be aware of the upcoming availability of this additional research related to this cohort.

Sincerely,

James E. Lockey, MD, MS
Professor-Department of Environmental Medicine
Division of Occupational and Environmental Medicine
Department of Internal Medicine, Pulmonary Division
University of Cincinnati College of Medicine

Status of data collected in 2010-2011 related to the University of Cincinnati pulmonary health study of 513 Marysville, Ohio workers exposed to Libby amphibole

Title/Topic	Content	Status
Exposure estimates for workers in a facility expanding Libby vermiculite: Updated values and comparison to original 1980 values	Methodology utilized to refine the Marysville, Ohio workers exposure matrix and comparison to the exposure matrix used in the 1980 and 2004 epidemiologic studies	Submitted for publication December 2011
Mesothelioma associated with commercial use of vermiculite containing Libby amphibole	SMRs and SRRs used to investigate potential asbestos-related mortality among 136 deceased workers from the Marysville cohort	Submitted for publication December 2011
Chest X-ray and HRCT findings associated with low levels of exposure to Libby amphibole (tentative title)	Cross-sectional analyses evaluating association between cumulative fiber exposure and chest X-rays/HRCTs of 191 Marysville workers as related to pleural and parenchymal changes	In preparation; target to submit Spring 2012
Spirometry, Diffusion, Lung Volume studies	Cross-sectional and longitudinal analyses regarding the potential association between cumulative fiber exposure and spirometry collected in 1980 (n=512), 2004 (n=231), 2010 (n=154), diffusion and lung volume studies from 2010 (n=154) and chest HRCT (n=191)/X-ray (n=305) findings.	Data analysis pending; target to submit Summer/Fall 2012
Autoimmune disease/biomarkers (grant submitted)	Evaluate the potential association between cumulative fiber exposure and autoimmune disease and/or autoimmune biomarkers via serum samples and health questionnaires from 151 members of the Marysville cohort.	Biological sample analyses pending; target to submit Winter 2013

January 26, 2012