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June 11, 2010

VIA HAND DELIVERY

Mr. James Alwood
Environmental Protection Agency
Ariel Rios Building
1200 Pennsylvania Avenue, NW
Room 4133J, Mail Code 7405M
Washington, DC 20460

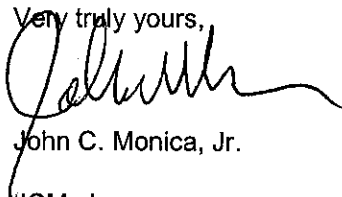
RE: NanoSafety Consortium for Carbon (NCC)

Dear Jim:

Attached is a draft memorandum providing basic descriptions of materials which our members would like to be included in any agreement reached with EPA concerning a representative testing regime of nanoscale carbon materials for TSCA purposes. While we envision that any actual test would only use a representative subset of these materials, our members would like for any products they might make or import in these categories to be covered by any agreement ultimately reached with EPA. There are two caveats: (i) the draft list may grow (especially as we gain new members) and (ii) the descriptions are minimal and are only provided as a way to start discussions. We realize more detailed characterization will be needed as the project progresses.

Please feel free to call or email if you have any questions.

Very truly yours,



John C. Monica, Jr.

JCM:alm
Attachment



NanoSafety Consortium
FOR CARBON

DRAFT

To: James Alwood, Office of Pollution Prevention and Toxics, U.S. Environmental Protection Agency

From: John C. Monica, Jr.

Date: June 11, 2010

Re: Basic Product Descriptions for Potential Inclusion in Theoretical Nanocarbon Testing Regime (Draft)

Product	Description
MWCNT	35-50nm in diameter; aspect ratios of 100/1-200/1
	50-150nm in diameter; aspect ratio of 100/1
	140-240nm in diameter; aspect ratio of 15/1
	400-600nm in diameter; aspect ratio of 13/1
	15-30nm in diameter; 1-20 microns in length
	4-12nm in diameter; 3-30 microns in length
	6-9nm in diameter; 1 micron in length
DWCNT	1.5 to 4 nm diameter (range of aspect ratios)
	4nm in diameter; 1-5 microns in length
SWCNT	0.7 to 3 nm diameter (range of aspect ratios)
	1-15nm in diameter; 10 microns in length
	2nm in diameter; 3-30 microns in length
	1.01nm in diameter; aspect ratio of 1000/1

Product

Description

	.8-1.2nm in diameter; 100-1000nm in length
	1nm in diameter; several microns in length
CNT Hybrids	(Proprietary blends of CNT and non-tubular carbon structures such as carbon black).
Tailored Fullerene Nanotubes	(application specific grades)
Carbon nanofiber	Stacked hats; 10 - 200nm in diameter; 50-100 microns in length
C60 fullerenes	
C70 fullerenes	
Nanographene platelets	Flakes/sheets; 0.5nm - 100nm thick