

Environmental/Laboratory Safety Committee Meeting
Friday September 14th, 2007

Attendance: G. Barbe, P. Charpentier, G. Kidder, R. Maslen, J. McMullin, A.M. McCusker, G. Qubty, J. Stanley

Regrets: V. Smith, K. Griffiths

1. Approval of July 18th minutes - Not enough voting members from July 18th meeting in attendance. Minutes will be approved at the next meeting.

2.1 G. Qubty gave information on efficiency of HEPA Filters

- HEPA manufacturer says HEPA filters will filter nanoparticles
- NIOSH recommends HEPA filters
- Theory - smaller particles filtered better
- Changing of filter would be done by specialized team

2.2 A.M. McCusker gave summary of information gathered

Western Institute of Nanotechnology (WINS)

Provided list of members

Nanofab Lab

Question: Where does equipment in lab exhaust?

Exhausts into the room.

National Institute of Nanotechnology

Proposing research project on measuring exposure levels

Suggested we categorize and prioritize research according to type of nanoparticles and how they are being used.

Discussed the pros and cons of fumehood, biosafety cabinets and HEPA filters.

Auto industry - J. Zhu

Powder coating with no special measures

0.1% Nanoparticles into bulk mixture. P100 respirators used with suction and negative pressure in spray booth

Nanoparticle becomes trapped within larger particles when mixed.

Nanotechnology Information Form distributed. To be used as survey to find out what people are using and how they are using it.

Action: Review the form. Give comments to A.M. McCusker.

A.M. McCusker to distribute to WINS

R. Maslen to distribute to Chemistry

P. Charpentier to distribute to Engineering

Collected forms will be reviewed at the next regular meeting.

2.3 Green Building Update

J. Stanley reviewed the options that were recommended.

Rejected Option #3. Accepted Option #2 in the plans

3. New Business

Action: J. Stanley contact 3M to have someone present their nano information at a future meeting

Adjourned