

Dated: January 16, 2008.

Maryam I. Daneshvar,

Acting Reports Clearance Officer, Centers for Disease Control and Prevention.

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DEPARTMENT OF HEALTH AND HUMAN SERVICES

Centers for Disease Control and Prevention

Disease, Disability, and Injury Prevention and Control Special Emphasis Panel (SEP): FY 2008 National Office of Public Health Genomics (NOPHG) Seed Grants

In accordance with section 10(a)(2) of the Federal Advisory Committee Act (Pub. L. 92-463), the Centers for Disease Control and Prevention (CDC) announces the aforementioned meeting:

Time and Date:

1 p.m.–5 p.m., February 11, 2008 (Closed).

1 p.m.–5 p.m., February 12, 2008 (Closed).

1 p.m.–5 p.m., February 13, 2008 (Closed).

1 p.m.–5 p.m., February 14, 2008 (Closed).

1 p.m.–5 p.m., February 15, 2008 (Closed).

1 p.m.–5 p.m., February 19, 2008 (Closed).

Place: Teleconference.

Status: The meeting will be closed to the public in accordance with provisions set forth in section 552b(c) (4) and (6), Title 5 U.S.C., and the Determination of the Director, Management Analysis and Services Office, CDC, pursuant to Public Law 92-463.

Matters To Be Discussed: The meeting will include the review, discussion, and evaluation of proposals submitted in response to the FY 2008 NOPHG Seed Grants announcement.

Contact Person for More Information:

Brenda Colley Gilbert, Director, Extramural Research Program Office, Coordinating Center for Health Promotion, CDC, 1600 Clifton Road, NE., Mailstop K92, Atlanta, GA 30333, Telephone (770) 488-8390.

The Director, Management Analysis and Services Office, has been delegated the authority to sign **Federal Register** notices pertaining to announcements of meetings and other committee management activities, for both CDC and the Agency for Toxic Substances and Disease Registry.

Dated: January 18, 2008.

Diane Allen,

Acting Director, Management Analysis and Services Office, Centers for Disease Control and Prevention.

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DEPARTMENT OF HEALTH AND HUMAN SERVICES

Centers for Disease Control and Prevention

[Docket Number NIOSH-123]

Notice of Opportunity for Public to Provide NIOSH with Comment: Positive-Pressure Closed-Circuit Self-Contained Breathing Apparatus

AGENCY: The National Institute for Occupational Safety and Health (NIOSH) of the Centers for Disease Control and Prevention (CDC), Department of Health and Human Services.

ACTION: (1) *Notice of opportunity for public to provide NIOSH with comment* on the public's reevaluation of NIOSH limitations on and precaution for safe use of positive-pressure closed-circuit self-contained breathing apparatus, Authority: Public Law 91-596.

(2) *Notice of opportunity for manufacturers and stakeholders to provide NIOSH with input* on the NIOSH prohibition against using a respirator which uses a breathing gas of pure oxygen during direct exposure to open flames and/or high radiant heat.

SUMMARY: The NIOSH, National Personal Protective Technology Laboratory (NPPTL), is currently reevaluating its limitations on and precaution for safe use of positive-pressure closed-circuit self-contained breathing apparatus. As stated in the **Federal Register** (Vol. 50, No. 222, pages 47456-47457 dated Monday, November 18, 1985) NIOSH's position on this topic is that:

Available information does not demonstrate to the satisfaction of NIOSH that positive-pressure closed-circuit self-contained breathing apparatus which use a breathing gas of pure oxygen can be used during direct exposure to open flames and/or high radiant heat and assure the wearer's safety. Therefore, NIOSH has determined that until it has been demonstrated to the satisfaction of NIOSH that those devices can be worn under such conditions, it is prudent to presently limit the use of positive-pressure closed-circuit self-contained breathing apparatus which use pure oxygen breathing gas to mines and mining atmospheres which do not involve exposure to open flames or high radiant heat.

Background: NIOSH/NPPTL is currently developing performance concepts as part of the rulemaking process to develop a Closed-Circuit Self-Contained Breathing Apparatus (CC-SCBA) Module. This process has identified that flame and heat durability requirements need to be considered as part of the module. On possible

inclusion to the requirements is the National Fire Protection Agency (NFPA) Heat and Flame Test, NFPA 1981, Section 8.11. NIOSH has conducted laboratory testing on two (2) different manufacturer's apparatus. In the initial testing, NFPA testing procedures were followed with the exception that a "dummy" cylinder was used in lieu of the oxygen cylinder. Test results were encouraging and were presented at NIOSH/NPPTL public meetings held on July 19, 2005 and on October 12, 2006. Arrangements are being made to conduct the same tests with full oxygen cylinders.

Additional research was garnered through testing conducted at a second laboratory. NPPTL personnel witnessed a Flame Engulfment Test. In Germany, Department 8 of the Association for the Promotion of German Fire Safety (VFDB) has included in its Guideline 0802 the same requirements for Close-Circuit Breathing Apparatus that has been written into the draft European Standard EN137 for Open-circuit Compressed Air Breathing Apparatus for flame engulfment. In this Directive, if special thermal loads for protective equipment cannot be excluded during tactical operation, the device must pass the flame engulfment test which is described in Appendix D. Their flame engulfment test is similar to NFPA's. In addition, this directive requires that when using closed-circuit compressed air breathing apparatus, type positive pressure with mixed gas supply (N₂, O₂) with an oxygen content of ≥ 30% by volume in the breathing circuit risks by oxygen emerging from a leakage in the mask cannot be excluded. These devices must pass the oxygen flame engulfment test procedure described in appendix G as follows:

- Simulate possible oxygen enrichment under a firefighter helmet according to EN 443 through a defined leakage in the respiratory protective mask (2.5 mm, 10 mm above the right temple strap). The test set-up simulates real conditions by equipping the test head with real hair, a flame protection hood and the respective neck curtains.
- Flame engulfment test is in accordance with Appendix D
 - Device is attached to a test dummy and preheated in an oven at 90 ± 5° C for 15 minutes
 - Complete unit is then exposed to direct flames for 10 seconds
 - Test dummy with the apparatus is then lifted to 150 ± 5/0 mm and dropped
 - During the entire test, the device is connected to a breathing machine. The pass/fail criteria are: