

- Device must not continue to burn for more than 5 seconds
- No component that secures the device to the user's body or that secures the cylinder must come off or be displaced
- Breathing resistance as per EN 137 are met
- The test head must not continue to burn for more than 5 seconds.

The closed-circuit self-contained breathing apparatus used in the test witnessed by NIOSH/NPPTL personnel successfully passed all of the listed criteria.

Additionally, the National Institute of Standards and Technology (NIST), Building and Fire Research Laboratory, Fire Research Division has provided a computational fluid dynamic (CFD) study of oxygen dissipation into the environment surrounding a respirator facepiece. For this study, 3-dimensional scans were taken of actual heads and masks for use in the CFD software. Leak geometries representing an imperfect seal were defined. Other variables included oxygen concentration fields and flow streamlines for multiple combinations of fuel and air in the surrounding environment, content of the leak, various breathing patterns, etc. Conclusions reached during the study were:

- Oxygen expelled through leak in respirator is propelled away from head region through advection and dissipates through diffusion.
- Risk of flammable mixture near head is observed in 10% propane environment.
- This is an extreme environment (fuel-rich, near flammable mixture.)

- In case of flammable environment, oxygen leak results in small, fuel-lean region near head.
- In fuel-lean environment, oxygen further decreases fuel concentration.

NIST Technical Note 1484 titled, "A Computational Model of Dissipation of Oxygen from an Outward Leak of a Closed-Circuit Breathing Device" available through the internet at this link, <http://fire.nist.gov/bfrlpubs/fire07/PDF/f07024.pdf> chronicles the research work completed by NIST.

Through this announcement, NIOSH/NPPTL is seeking input from stakeholders and manufacturers to determine the following:

1. Opinion on the current prohibition.
2. Provide supporting data to maintain, modify, or rescind the current prohibition.
3. If additional research is needed to support rescinding the prohibition, what would it entail?
4. Willingness to participate in a collaborative agreement with NIOSH/NPPTL to conduct research on this topic and support willing to provide.
5. Other comments on the subject.

**Public Comment Period:** Submit input to the NIOSH Docket Office within 60 days after the date of publication of this notice in the **Federal Register**. Reference Docket Number NIOSH-123 in comments.

**ADDRESSES:** Input can be submitted by:

- **Mail:** NIOSH Docket Office, Robert A. Taft Laboratories, M/S C 34, CC SCBA O<sub>2</sub> Prohibition—NIOSH Docket Number 123, 4676 Columbia Parkway, Cincinnati, OH 45226.
- **E-mail:** [niocindocket@cdc.gov](mailto:niocindocket@cdc.gov).
- **Fax:** (513) 533-8285.

- **Phone:** (513) 533-8303.
- **NPPTL Web Site:** <http://www.cdc.gov/niosh/npptl>.

**Contact Person for Technical Information:** Timothy R. Rehak at 412-386-6866 or e-mail: [ter1@cdc.gov](mailto:ter1@cdc.gov).

Dated: January 16, 2008.

**James D. Seligman,**  
Chief Information Officer, Centers for Disease Control and Prevention.

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## DEPARTMENT OF HEALTH AND HUMAN SERVICES

### Administration for Children and Families

#### Submission for OMB Review; Comment Request

**Title:** April 2008 Current Population Survey Supplement on Child Support.

**OMB No.:** 0992-0003.

**Description:** Collection of these data will assist legislators and policymakers in determining how effective their policymaking efforts have been over time in applying the various child support legislation to the overall child support enforcement picture. This information will help policymakers determine to what extent individuals on welfare would be removed from the welfare rolls as a result of more stringent child support enforcement efforts.

**Respondents:** Individuals and households.

### ANNUAL BURDEN ESTIMATES

Instrument	Number of respondents	Number of responses per respondent	Average burden hours per response	Total burden hours
Child Support Survey .....	41,300	1	.0241666	998

**Estimated Total Annual Burden Hours:** 998

**Additional Information:** Copies of the proposed collection may be obtained by writing to the Administration for Children and Families, Office of Administration, Office of Information Services, 370 L'Enfant Promenade, SW., Washington, DC 20447, **Attn:** ACF Reports Clearance Officer. All requests should be identified by the title of the information collection. E-mail address: [infocollection@acf.hhs.gov](mailto:infocollection@acf.hhs.gov).

**OMB Comment:** OMB is required to make a decision concerning the

collection of information between 30 and 60 days after publication of this document in the **Federal Register**. Therefore, a comment is best assured of having its full effect if OMB receives it within 30 days of publication. Written comments and recommendations for the proposed information collection should be sent directly to the following: Office of Management and Budget, Paperwork Reduction Project, **Fax:** 202-395-6974, **Attn:** Desk Officer for the Administration for Children and Families.

Dated: January 17, 2008.

**Janean Chambers,**  
Reports Clearance Officer.

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