Proposed Project

Aerosol Generation by Cough—NEW—The National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC).

Background and Brief Description

The Federal Occupational Safety and Health Act of 1970, section 501, enables the National Institute for Occupational Safety and Health (NIOSH) to conduct research relevant to the health and safety of workers. NIOSH is conducting a two year study of airborne clouds of particles or droplets called “aerosols”. Several diseases like influenza and Severe Acute Respiratory Syndrome (SARS) can be spread when people produce infectious aerosols by coughing or sneezing. Aerosol transmission of infectious diseases is especially important to health-care workers and emergency responders, who face a much greater risk of exposure to these hazards than does the general public. Cough-generated aerosols are of particular concern because coughing is one of the most common symptoms of respiratory infections. However, substantial gaps exist in our understanding about the generation of aerosols during coughing. This lack of information hampers the ability of health scientists to model and predict the generation of infectious aerosols by coughing and to understand whether or not cough-generated aerosols are likely to be an important means of transmission of particular diseases.

The purpose of this study is to gain a better understanding of the production of aerosols by coughing. The results of this research will give scientists and health professionals’ greater insight into the airborne transmission of disease and allow them to better assess the potential effectiveness of preventive measures.

The first part of this study will measure the quantity and size distribution of aerosol produced during human coughs. To accomplish this, volunteers will cough into a spirometer, which is a commonly used piston-like medical device that measures the volume of air exhaled by a patient. After the volunteer coughs into the spirometer, the air in the spirometer will be drawn into a commercial aerosol measurement device. These experiments will also provide information on how much cough aerosols vary over time for individuals and how much aerosol generation varies between individuals.

The second part of this study will determine how effectively surgical masks and N95 respirators block cough-generated aerosols. N95 respirators are dust masks that are certified to filter out at least 95% of airborne material during normal breathing. N95 respirators are known to be more effective than surgical masks at filtering out airborne particles during inhalation, but it is not known whether masks or respirators are more effective at blocking cough-generated aerosols. For this work, masks and respirators will be placed in a special holder with a disposable mouthpiece, and human subjects will cough into the mouthpiece and through the mask. The aerosol produced by each subject will be analyzed before and after flowing through the mask. These experiments will determine how effective each mask or respirator is at preventing the release of cough-generated aerosols.

Volunteers from part 1 may also participate in part 2 if they wish. There will be no costs to study participants other than their time.

Estimates of Annualized Burden

<table>
<thead>
<tr>
<th>Respondents</th>
<th>Number of Respondents</th>
<th>Number of responses per respondent</th>
<th>Average burden per response (in hrs.)</th>
<th>Total burden (in hours)</th>
</tr>
</thead>
<tbody>
<tr>
<td>High-Level Management Staff</td>
<td>16</td>
<td>1</td>
<td>1.5</td>
<td>11</td>
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<tr>
<td>Mid-level Staff</td>
<td>32</td>
<td>1</td>
<td>1.5</td>
<td>21</td>
</tr>
<tr>
<td>Local-level Staff</td>
<td>32</td>
<td>1</td>
<td>1.5</td>
<td>21</td>
</tr>
<tr>
<td>Total</td>
<td>80</td>
<td></td>
<td></td>
<td>53</td>
</tr>
</tbody>
</table>


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

[FR Doc. E5–7862 Filed 12–23–05; 8:45 am]

BILLING CODE 4163–18–P

DEPARTMENT OF HEALTH AND HUMAN SERVICES

Centers for Disease Control and Prevention

[60Day–06–06AP]

Proposed Data Collections Submitted for Public Comment and Recommendations

In compliance with the requirement of Section 3506(c)(2)(A) of the Paperwork Reduction Act of 1995 for opportunity for public comment on proposed data collection projects, the Centers for Disease Control and Prevention (CDC) will publish periodic summaries of proposed projects. To request more information on the proposed projects or to obtain a copy of the data collection plans and instruments, call 404–639–4766 and send comments to Seleda Perryman, CDC Assistant Reports Clearance Officer, 1600 Clifton Road, MS–D74, Atlanta, GA 30333 or send an email to omb@cdc.gov.

Comments are invited on: (a) Whether the proposed collection of information is necessary for the proper performance of the functions of the agency, including whether the information shall have practical utility; (b) the accuracy of the agency’s estimate of the burden of the proposed collection of information; (c) ways to enhance the quality, utility, and clarity of the information to be collected; and (d) ways to minimize the burden of the collection of information on respondents, including through the use of automated collection techniques or other forms of information technology. Written comments should be received within 60 days of this notice.

- DEPARTMENT OF HEALTH AND HUMAN SERVICES
- Centers for Disease Control and Prevention
- [60Day–06–06AP]
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- | Respondents | Number of respondents | Number of responses per respondent | Average burden per response (in hrs.) | Total burden (in hours) |
- | High-Level Management Staff | 16 | 1 | 1.5 | 11 |
- | Mid-level Staff | 32 | 1 | 1.5 | 21 |
- | Local-level Staff | 32 | 1 | 1.5 | 21 |
- | Total | 80 | | | 53 |
DEPARTMENT OF HEALTH AND HUMAN SERVICES
Centers for Disease Control and Prevention

Request for Nominations of Candidates To Serve on the Board of Scientific Counselors, National Center for Environmental Health/Agency for Toxic Substances and Disease Registry, Centers for Disease Control and Prevention, Department of Health and Human Services

The National Center for Environmental Health/Agency for Toxic Substances and Disease Registry (NCEH/ATSDR) is soliciting nominations for possible membership on the Board of Scientific Counselors. This Board provides advice and guidance to the Secretary, Department of Health and Human Services (HHS); the Director, Centers for Disease Control and Prevention (CDC); and the Director, NCEH/ATSDR, regarding program goals, objectives, strategies, and priorities in fulfillment of the agencies’ mission to protect and promote people’s health.

Nominations are being sought for individuals who have expertise and qualifications necessary to contribute to the accomplishments of the Board’s objectives. Nominees will be selected from experts having experience in preventing human diseases and disabilities caused by environmental conditions. Experts in the disciplines of toxicology, epidemiology, environmental or occupational medicine, behavioral science, risk assessment, exposure assessment, and experts in public health and other related disciplines will be considered. Consideration is given to representation from diverse geographic areas, gender, ethnic and minority groups, and the disabled. Members may be invited to serve up to four-year terms. Nominees must be U.S. citizens.

The following information must be submitted for each candidate: Name, affiliation, address, telephone number, and current curriculum vitae. E-mail addresses are requested if available.

Nominations should be sent, in writing, and postmarked by January 9, 2006 to: Sandra Malcom, Committee Management Specialist, NCEH/ATSDR, Centers for Disease Control and Prevention, 1600 Clifton Road, NE., (MS–E28), Atlanta, Georgia 30333. Telephone and facsimile submissions cannot be accepted.

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 National Center for Environmental Health/Agency for Toxic Substances and Disease Registry.


Alvin Hall,
Director, Management Analysis and Services Office Centers for Disease Control and Prevention (CDC).

FOR FURTHER INFORMATION CONTACT: Larry Elliott, Director, Office of Compensation Analysis and Support, National Institute for Occupational Safety and Health, 4676 Columbia Parkway, MS C–46, Cincinnati, OH 45226, Telephone 513–533–6800 (this is not a toll-free number). Information requests can also be submitted by e-mail to OCAS@CDC.GOV.

Dated: December 20, 2005.

John Howard,
Director, National Institute for Occupational Safety and Health, Centers for Disease Control and Prevention.

DEPARTMENT OF HEALTH AND HUMAN SERVICES
Centers for Disease Control and Prevention

Decision To Evaluate a Petition To Designate a Class of Employees at Chapman Valve Co., Indian Orchard, Massachusetts, To Be Included in the Special Exposure Cohort

AGENCY: Centers for Disease Control and Prevention (CDC), Department of Health and Human Services (HHS).

ACTION: Notice.

SUMMARY: The Department of Health and Human Services (HHS) gives notice as required by 42 CFR 83.12(e) of a decision to evaluate a petition to designate a class of employees at the Chapman Valve Co., in Indian Orchard, Massachusetts, to be included in the Special Exposure Cohort under the Energy Employees Occupational Illness Compensation Program Act of 2000. The initial proposed definition for the class being evaluated, subject to revision as warranted by the evaluation, is as follows:

Facility: Chapman Valve Co.
Location: Indian Orchard, Massachusetts.
Job Titles and/or Job Duties: Various.

Respondents
Number of respondents
Number of responses per respondent
Average burden per response (in hours)
Total burden (in hours)

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<tbody>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td></td>
<td>330</td>
</tr>
</tbody>
</table>

Atomic weapons employees who worked at the Linde Ceramic Plant from October 1, 1942, through October 31, 1947, and who were employed for a number of work days aggregating at least 250 work days, either solely under this employment or in...