



BILLING CODE: 4163-18-P

DEPARTMENT OF HEALTH AND HUMAN SERVICES

Centers for Disease Control and Prevention

[60Day-20-20IT; Docket No. CDC-2020-0022]

Proposed Data Collection Submitted for Public Comment and Recommendations

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

ACTION: Notice with comment period.

SUMMARY: The Centers for Disease Control and Prevention (CDC), as part of its continuing effort to reduce public burden and maximize the utility of government information, invites the general public and other Federal agencies the opportunity to comment on a proposed and/or continuing information collection, as required by the Paperwork Reduction Act of 1995. This notice invites comment on a proposed information collection project titled Understanding Long-term Respiratory Morbidity in Former Styrene-Exposed Workers. The purpose of the interviews and medical testing is to determine the prevalence of respiratory symptoms and lung function abnormalities among a cohort of former styrene-exposed workers with different exposure levels to evaluate the long-term impacts of styrene exposure on the respiratory system.

DATES: CDC must receive written comments on or before **[INSERT DATE 60 DAYS AFTER PUBLICATION DATE IN THE FEDERAL REGISTER]**.

ADDRESSES: You may submit comments, identified by Docket No. CDC-2020-0022 by any of the following methods:

- Federal eRulemaking Portal: Regulations.gov. Follow the instructions for submitting comments.
- Mail: Jeffrey M. Zirger, Information Collection Review Office, Centers for Disease Control and Prevention, 1600 Clifton Road, N.E., MS-D74, Atlanta, Georgia 30329.

Instructions: All submissions received must include the agency name and Docket Number. CDC will post, without change, all relevant comments to Regulations.gov.

Please note: Submit all Federal comments through the Federal eRulemaking portal (regulations.gov) or by U.S. mail to the address listed above.

FOR FURTHER INFORMATION CONTACT: To request more information on the proposed project or to obtain a copy of the information collection plan and instruments, contact Jeffrey M. Zirger, Information Collection Review Office, Centers for Disease Control and Prevention, 1600 Clifton Road, N.E., MS-D74, Atlanta, Georgia 30329; phone: 404-639-7570; E-mail: omb@cdc.gov.

SUPPLEMENTARY INFORMATION:

Under the Paperwork Reduction Act of 1995 (PRA) (44 U.S.C. 3501-3520), Federal agencies must obtain approval from the Office of Management and Budget (OMB) for each collection of information they conduct or sponsor. In addition, the PRA also requires Federal agencies to provide a 60-day notice in the Federal Register concerning each proposed collection of information, including each new proposed collection, each proposed extension of existing collection of information, and each reinstatement of previously approved information collection before submitting the collection to the OMB for approval. To comply with this requirement, we are publishing this notice of a proposed data collection as described below.

The OMB is particularly interested in comments that will help:

1. Evaluate whether the proposed collection of information is necessary for the proper performance of the functions of the agency, including whether the information will have practical utility;
2. Evaluate the accuracy of the agency's estimate of the burden of the proposed collection of information, including the validity of the methodology and assumptions used;
3. Enhance the quality, utility, and clarity of the information to be collected; and

4. Minimize the burden of the collection of information on those who are to respond, including through the use of appropriate automated, electronic, mechanical, or other technological collection techniques or other forms of information technology, e.g., permitting electronic submissions of responses.

5. Assess information collection costs.

Proposed Project

Understanding Long-term Respiratory Morbidity in Former Styrene-Exposed Workers - New - National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC).

Background and Brief Description

Styrene is used in the production of automobile parts, boats, computer housings, food containers, wind energy components, and many other products. An estimated 90,000 U.S. workers are potentially exposed to styrene at more than 5,000 U.S. manufacturing plants. Occupational exposure to styrene has been associated with deleterious health effects, including changes in color vision, mucous membrane irritation, hearing loss, and neurocognitive impairment. Workplace exposure to styrene has also been associated with cases of non-malignant respiratory disease (NMRD), including COPD and obliterative bronchiolitis. However, little is understood about the long-term

respiratory effects on styrene-exposed workers. NIOSH is requesting a three year OMB approval.

The goal of this project is to understand the prevalence of long-term respiratory morbidity in styrene-exposed workers. The objectives of the proposed study are: (1) to characterize work exposures by acquiring job histories and comparing with historical exposure levels obtained from a past industrial hygiene survey, (2) to examine prevalence of respiratory morbidity by duration and level of styrene exposure and other characteristics, (3) to apply research biomarkers of lung injury to a styrene-exposed workforce, and (4) to describe the prevalence of color vision impairment with the presence of respiratory morbidity. Our hypothesis is that workers previously exposed to high concentrations of styrene (≥ 5 ppm), even those with short tenure (< 1 year), will have a higher prevalence of respiratory symptoms and lung function abnormalities compared with workers exposed to low concentration of styrene (< 5 ppm).

We will conduct face-to-face interviews with members of a cohort of workers from two reinforced plastic boatbuilding plants that closed in 1989 and 1993. The purpose of the interviews is to collect demographic information, detailed job history during and after the worker's tenure at the boatbuilding plant, upper and lower respiratory symptoms, physician diagnoses of respiratory diseases, cigarette smoking history, and medication use. A NIOSH

employee will conduct the interviews. We will also conduct several lung function tests including: exhaled nitric oxide, impulse oscillometry, multiple-breath washout, spirometry, bronchodilator reversibility testing, and high-resolution computed tomography (HRCT) scan.

The purpose of the lung function testing is to identify small and large airway abnormalities that are consistent with NMRD. With the exception of the HRCT scans, NIOSH technicians will perform the lung function testing. An accredited imaging center will be hired to perform the HRCT scans. We will collect blood to analyze for biomarkers associated with lung injury caused by obliterative bronchiolitis. A NIOSH phlebotomist will collect the blood samples. Finally, we will assess cohort members for color vision abnormalities using the Lanthony D-15 Color Test. Color vision assessment will be completed by a NIOSH technician. The total estimated burden hours are 1449. There are no costs to respondents other than their time.

Estimated Annualized Burden Hours

Type of Respondents	Form Name	Number of Respondents	Number of Responses per Respondent	Average Burden per Response (in hours)	Total Burden (in hours)
Boatbuilder Cohort Members	Questionnaire and medical survey consent form	676	1	15/60	169
Boatbuilder Cohort	Questionnaire	676	1	45/60	507

Members					
Boatbuilder Cohort Members	Exhaled Nitric Oxide - no form	676	1	5/60	56
Boatbuilder Cohort Members	Impulse Oscillometry - no form	676	1	10/60	113
Boatbuilder Cohort Members	Spirometry - no form	676	1	10/60	113
Boatbuilder Cohort Members	Bronchodilator Test - no form	50	1	20/60	17
Boatbuilder Cohort Members	Multiple-Breath Washout - no form	676	1	30/60	338
Boatbuilder Cohort Members	Color vision test - no form	676	1	5/60	56
Boatbuilder Cohort Members	Blood test - no form	676	1	5/60	56
Boatbuilder Cohort Members	HRCT consent form	70	1	5/60	6
Boatbuilder Cohort Members	HRCT Imaging - no form	70	1	15/60	18
Total					1449

Jeffrey M. Zirger,

Lead,

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Office of Scientific Integrity,

Office of Science,

Centers for Disease Control and Prevention.

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