

1,3-Butadiene Standard (29 CFR 1910.1051)
OMB Control Number: 1218-0170
Expiration Date: September 30, 2026

**SUPPORTING STATEMENT FOR THE
INFORMATION COLLECTION REQUIREMENTS IN THE
1,3-BUTADIENE STANDARD (29 CFR 1910.1051)¹
OFFICE OF MANAGEMENT AND BUDGET (OMB)
CONTROL NO. 1218-0170 (February 2026)**

The agency is seeking to extend the currently approved data collection.

A. JUSTIFICATION

- 1. Explain the circumstances that make the collection of information necessary. Identify any legal or administrative requirements that necessitate the collection. Attach a copy of the appropriate section of each statute and regulation mandating or authorizing the collection of information.**

The Occupational Safety and Health Act's (OSH Act) main objective is to “. . . assure so far as possible every working man and woman in the Nation safe and healthful working conditions and to preserve our human resources” (29 U.S.C. 651). To achieve the objective, the OSH Act authorizes “the development and promulgation of occupational safety and health standards” (29 U.S.C. 651). The OSH Act specifically authorizes information collection by employers as necessary or appropriate for the enforcement of the Act or for developing information regarding the causes and prevention of Occupational accident and illnesses” (29 U.S.C. 657).

For toxic substances, the OSH Act contains specific statutory language. Thus, as appropriate, health standards must include provisions for monitoring and measuring worker exposure, medical examinations and other tests, control and technological procedures, suitable protective equipment, labels and other appropriate forms of warning, and precautions for safe use or exposure (29 U.S.C. 655 and 657). In this regard, the OSH Act mandates “regulations requiring employers to maintain accurate records of worker exposures to potentially toxic materials or other harmful physical agents that are required to be monitored and measured,” and further requires that employers notify workers exposed to concentrations over prescribed limits of this fact, and of the corrective actions they are taking (29 U.S.C. 657).

Under the authority granted by the OSH Act, the Occupational Safety and Health Administration (OSHA or agency) published a health standard governing worker exposure to 1,3-Butadiene (BD) (29 CFR 1910.1051). The information collection requirements of the 1,3-Butadiene Standard (BD Standard or standard) are discussed under Item 2 of this supporting statement.

¹ The purpose of this supporting statement is to analyze and describe the burden hours and costs associated with provisions of the 1,3-Butadiene Standard that contain collections of information. This supporting statement does not provide information or guidance on how to comply with, or how to enforce, the standard.

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BD is a colorless, noncorrosive, flammable gas with a mild aromatic odor at standard ambient temperatures and pressure. It is produced commercially by three processes: Catalytic dehydrogenation of n-butane and n-butene; oxidative dehydrogenation of n-butene; and recovery as a by-product from the C₄ co-product stream during the steam-cracking process used to manufacture ethylene, which is the major product of the petrochemical industry. Studies of workers exposed to BD in the synthetic-rubber industry show an excess cancer mortality from leukemia/lymphoma, raising concerns that BD is a potential occupational carcinogen. There is also evidence that BD may affect germ cells and somatic cells, raising concerns regarding reproductive and developmental toxicity.

The specific information collection requirements of this standard are fully discussed under items 2 and 12 below. The BD standard, including its recordkeeping requirements are, in part, based on recommendations from industry and unions.

2. Indicate how, by whom, and for what purpose the information is to be used. Except for a new collection, indicate the actual use the agency has made of the information received from the current collection.

Exposure Monitoring (§ 1910.1051(d))

Employers must perform initial monitoring to determine the extent of BD exposure in their workplace. The employer must conduct representative exposure sampling to determine if workers are exceeding the 15-minute Short-term exposure limit (STEL) or the 8-hour time-weighted average (TWA). Initial monitoring results will be used to determine the extent of periodic monitoring an employer must perform. Where the action level (AL), is met or exceeded, but both the 8-hour TWA and STEL are not exceeded, the employer must perform monitoring every 12 months. Where initial monitoring reveals exposures to be above the 8-hour TWA, the employer must monitor at least every three months. Where initial monitoring reveals exposures to be above the STEL, the employer must monitor at least every three months.

Additional monitoring is required when there have been changes in production, processes, control equipment, personnel, or work practices that may result in additional exposures to airborne concentration levels of BD. By using periodic monitoring, employers can evaluate the effectiveness of selected control methods. In addition, these measurements remind both the employer and workers of the continuing need to protect against the hazards that could result from a worker's overexposure to BD. Finally, periodic monitoring samples inform an examining physician or other licensed healthcare professional (PLHCP) of the existence and extent of potential sources of occupational diseases.

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Whenever accidental spills or leaks, ruptures, or other breakdowns, occur that may lead to worker exposure above the 8-hour TWA limit or above the STEL, the employer must perform additional monitoring after the incident has been corrected. Such monitoring ensures that the work area is safe, or alerts the employer that protection, usually personal protective equipment, may still be needed.

Employee Notification of Monitoring Results (§ 1910.1051(d)(7))

The employer must notify each worker of the exposure-monitoring results within 15 working days after the receipt of the results. Employers may notify workers either individually in writing or by posting the monitoring results in an appropriate location that is accessible to affected workers. If the results exceed the 8-hour TWA or the STEL, the employer must, within 15 working days after receiving these results, provide the affected workers with written information regarding the corrective action taken by the employer to reduce worker exposures to or below the TWA or STEL and the schedule for completion of this action.

Regulated areas – Multi-Employer Worksite Communication (§ 1910.1051(e)(4))

Employers at multi-employer worksites who establish regulated areas must communicate the access restrictions and locations of these areas to other employers with work operations at that worksite whose employees may have access to these areas.

Compliance Plan (§ 1910.1051(f)(2))

Employers must establish and implement a written plan to reduce worker BD exposure to or below the permissible exposure limits (PELs)² using primarily engineering and work practice controls, and then respiratory protection if required or permitted by the standard. The compliance plan must include a schedule for developing and implementing engineering and work practice controls, including periodic leak-detection surveys. The plan must be reviewed at least annually and updated as necessary to reflect significant changes in the status of the employer's compliance program. Upon request, the written plan must be provided to OSHA, NIOSH, affected workers, and designated worker representatives.³ This requirement commits the

² “Permissible exposure limits” are either the 8-hour Time Weighted Average (TWA) or the Short-Term Exposure Limit (STEL).

³ OSHA has determined that the requirement for employers to make information available upon request to the Assistant Secretary is not a collection of information; OSHA typically requests access to information during an inspection, and information collected by the agency during the investigation is not subject to the PRA under 5 CFR 1320.4(a)(2). While NIOSH may use information collected from employers for research purposes, the agency does not anticipate that NIOSH will request employers to make this information available during the approval period.

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employer to evaluate worker exposure and establish an organized and complete plan for reducing worker exposure to the PELs. The requirement to prepare and update a compliance plan is designed to remind the employer to implement and maintain the exposure-control methods required to comply with the standard.

Exposure Goal Program (§ 1910.1051(g))

If workers are exposed to BD above the action level, the Standard requires the employer to have a written exposure-goal program. This program is intended to limit worker exposures to below the action level during normal operations. The plan must be updated as necessary to reflect significant changes in the status of the exposure-goal program. Respirator use is not required in the exposure-goal program. The program must consist of the following elements:⁴ a leak-prevention, detection, and repair program; a program for maintaining the effectiveness of local exhaust ventilation systems; the use of pump exposure control technology such as, but not limited to, mechanical double-sealed or seal-less pumps; gauging devices designed to limit worker exposure, such as magnetic gauges on rail cars; unloading devices designed to limit worker exposure, such as a vapor-return system; and a program to maintain BD concentration below the action level in control rooms by use of engineering controls.

Respirator Protection; Respirator Program (§ 1910.1051(h)(2))

If respirators are required, the employer must establish a respiratory protection program in accordance with 29 CFR 1910.134, paragraphs (b) through (d) (except (d)(1)(iii) and (d)(3)(iii) (B)(1) and (2)), and (f) through (m). Paragraph (c) of 29 CFR 1910.134 requires the employer to develop and implement a written respiratory protection program with worksite-specific procedures and elements for respirator use. The purpose of these requirements is to ensure that employers establish a standardized procedure for selecting, using, and maintaining respirators for each workplace where respirators will be used. Developing written procedures ensures that employers implement a respirator program that meets the needs of their workers.

Burden hours and costs resulting from these respiratory program requirements are incurred under OSHA's Respiratory Protection Standard Information Collection Request (ICR) (29 CFR 1910.134), OMB Control Number 1218-0099.

Filter Element Labeling (§ 1910.1051(h)(2)(iv))

Employers must attach a label to each respirator filter element to indicate the date and time it is

Therefore, the burden for the employer to make this information available to NIOSH is zero.

⁴ Unless the employer can demonstrate that an element is not feasible, will have no significant effect on reducing worker exposures, or is not necessary to achieve exposures below the action level.

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first installed on the respirator. The purpose of this label is to inform workers when to replace a filter element, thereby preventing overexposure to BD.

Emergency – Situations; Written Plan (§ 1910.1051(j))

Employers must develop and implement a written plan for managing emergencies involving substantial releases of BD. Emergency plans provide workers with information to maximize their personal protection and minimize the hazard under these conditions.

Medical Screening and Surveillance (§ 1910.1051(k))

The standard requires employers to provide medical screening and surveillance programs for workers whose duties expose them to BD at concentrations at or above the action level for 30 or more days a year. These programs must also be made available to those workers who have, or who may have, exposure to BD at or above the PELs for 10 or more days a year. Medical surveillance must also be made available to certain workers who had more than 10 years of exposure to BD in the past.

Documentation and maintenance of medical examinations provide a continuous record of worker health. Records of medical examinations are used by PLHCPs who periodically examine workers exposed to BD to determine the extent to which the workers have experienced adverse health effects since their last examination. Further, when symptoms of damage appear, the PLHCP often needs information about a worker's previous medical conditions to make an accurate diagnosis of the new condition, its apparent cause, and the course of treatment required. Medical records also ensure that physicians can determine whether treatments or other interventions are needed for occupational exposures to BD.

Information Provided to Physicians or Other Licensed Health Care Professionals (§ 1910.1051(k)(6))

The employer must provide PLHCPs with the following information: a copy of the standard, including the appendices; a description of the affected worker's duties as they relate to the worker's BD exposure; the worker's actual or representative BD exposure level during employment tenure, including exposure incurred in an emergency situation; a description of personal protective equipment used or to be used by the worker; and information from previous employment-related medical evaluations of the affected worker that is not otherwise available to the PLHCP.

Making the required information available to the PLHCP will aid in the evaluation of the worker's health and fitness for specific job assignments involving BD exposure. As noted earlier,

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if symptoms of damage appear, the PLHCP often needs information about a worker's previous medical conditions to make an accurate diagnosis of the new condition, its apparent cause, and the course of treatment required. Information provided to the PLHCP also ensures that physicians can determine whether treatments or other interventions are needed for occupational exposures.

Written Medical Opinion (§ 1910.1051(k)(7))

Employers must ensure that a PLHCP provides a copy of the written medical opinion to the employer and to the worker within 15 working days of the evaluation. The purpose of this requirement is to aid in determining the initial placement of workers and to assess a worker's ability to use protective clothing and equipment. The PLHCP's opinion will also provide information to the employer about whether the worker has a medical condition indicating overexposure to BD. The requirement that a PLHCP's opinion be written will ensure that the information is properly maintained for later reference. The requirement that workers be provided with a copy of the medical opinion will ensure that they are informed of the results of the medical examination.

Communication of BD Hazards to Employees; Employee Information and Training **(§ 1910.1051(l)(2))**

Employers must provide training to all workers exposed to BD in accordance with the requirements of OSHA's Hazard Communication Standard (29 CFR 1910.1200). Paragraph (l)(2)(ii) requires the employer to maintain a record of the contents of the training program. Training must be provided prior to, or at the time of, initial assignment to a job potentially involving exposure to BD at or above the action level or STEL; training must also be provided at least annually thereafter. Training enables workers to recognize how and where they may be occupationally exposed to BD, and what steps they can take to limit BD exposure. Workers must be provided with information on the location and use of BD, as well as work practices and health hazards associated with BD training. These requirements are essential to inform workers of the hazards to which they are exposed, and to provide them with necessary information they can use to minimize the health hazards of BD. Training also serves to explain and reinforce the information presented to workers on signs, labels, and Safety Data Sheets, which will be useful and effective only when workers understand the health hazards of BD and are aware of the actions they can take to avoid or minimize BD exposures.

The requirement that employers provide training to workers under (l)(1) and (l)(2) is not considered to be a collection of information.

Recordkeeping (§ 1910.1051(m))

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Objective Data for Exemption from Initial Monitoring (§ 1910.1051(m)(1))

Employers exempted from certain provisions under paragraph (a)(2) may choose to rely on objective data instead of initial monitoring. These employers must maintain this data for the duration of the employer's reliance on such data. Documenting and retaining objective data demonstrates the appropriateness of the employer's reliance on objective data in lieu of initial monitoring. Access to the record enables workers and their representatives to ensure that the employer's application for the exemption is reasonable. Maintaining a record of the objective data determinations will permit OSHA to ascertain whether compliance with the Standard has been achieved.

Exposure Monitoring & Medical Screening and Surveillance (§ 1910.1051(m)(2) and (4))

Employers must establish and maintain exposure-monitoring records and worker medical records. This information may be used to determine the cause and prevention of occupational illness. The medical and exposure-monitoring records required by this standard will aid the worker and their PLHCPs in determining whether treatments or other interventions are needed as a result of worker exposure to BD.

Exposure-monitoring records must be maintained for at least 30 years, and medical records must be kept for the duration of employment plus 30 years. Records must be kept for extended periods because of the long latency period associated with the development of diseases caused by chronic exposures such as cancer. In addition, this retention requirement is consistent with the requirements defined under the Access to Employee Exposure and Medical Records Standard (29 CFR 1910.1020).

Availability (§ 1910.1051(m)(5))

The standard requires employers to make available upon request the contents of the written compliance program, the training program materials, and all records required to be maintained under paragraph (m)(5) to OSHA and NIOSH.

Note: The agency has determined that the requirement for employers to make records available upon request to the Assistant Secretary is no longer considered a collection of information. OSHA typically requests access to records during an inspection, and information collected by the Agency during the investigation is not subject to the PRA under 5 CFR 1320.4(a)(2). While NIOSH may use records collected from employers for research purposes, the agency does not anticipate that NIOSH will request employers to make records available during the approval period. Therefore, the burden for the employer to make this information available to NIOSH is

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zero.

Transfer of Records (§ 1910.1051(m)(6))

Employers must transfer medical and exposure records as set forth in 29 CFR 1910.1020(h).

Paragraph (h) of § 1910.1020 requires employers who cease to do business to transfer medical and exposure-monitoring records to the successor employer, who then must receive and maintain the records. If no successor employer is available, the employer must, at least three months before ceasing business, notify current workers who have records of their right to access these records.

OSHA considers the employer's transfer of records to a successor employer to be a usual and customary communication during the transition from one employer to a successor employer. In this regard, the employer would communicate the location of all records, including worker exposure monitoring and medical records, at the facility to the successor employer during the transfer of business operations, as a matter of usual and customary business practice.

3. Describe whether, and to what extent, the collection of information involves the use of automated, electronic, mechanical, or other technological collection techniques or other forms of information technology, e.g., permitting electronic submission of responses, and the basis for the decision for adopting this means of collection. Also, describe any consideration of using information technology to reduce burdens.

Employers may use automated, electronic, mechanical, or other technological information collection techniques, or other forms of information technology (e.g., electronic submission of responses), when establishing and maintaining the required records. The standard is written in performance-oriented language, (i.e., in terms of what data to collect, not how to record the data)..

4. Describe efforts to identify duplication. Show specifically why any similar information already available cannot be used or modified for use for the purposes described in Item A.2 above.

The information required to be collected and maintained is specific to each employer and worker involved and no other source or agency duplicates these requirements or can make the required information available to the agency. At this time, there is no indication that any alternative source is available (i.e., the required information is available only from employers).

5. If the collection of information impacts small businesses or other small entities, describe

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any methods used to minimize burden.

The requirement burdens are an equal obligation for all affected employers. The information collection requirements of the standard do not have a significant impact on a substantial number of small entities.

6. Describe the consequence to Federal program or policy activities if the collection is not conducted or is conducted less frequently, as well as any technical or legal obstacles to reducing burden.

The information collection frequencies specified by the standard are the minimum OSHA believes are necessary to ensure that the employer and agency can effectively monitor the exposure and health status of workers that are working with or exposed to BD, and thereby, to fulfill the agency's mandate "to assure so far as possible every working [person] in the Nation safe and healthful working conditions and to preserve our human resources" as specified by the OSH Act at 29 U.S.C. 651.

OSHA's recordkeeping requirements are designed to ensure that employers comply with applicable standards and that protection of workers exposed to BD is provided to the full extent required. When conducting inspections, occupational safety and health compliance officers examine the records for this purpose. Additionally, the data contained in exposure-measurement records are useful to employers in pinpointing areas of their operations that may require additional efforts to reduce occupational exposure.

Records of previous medical examinations are used by physicians who must periodically examine workers exposed to BD. Without records of previous medical examinations, the physician may not be able to determine whether a worker has suffered an adverse health effect since their last examination. Further, when symptoms of organic damage appear, the physician often needs information about the patient's previous medical condition to make an accurate diagnosis of the new problem, its apparent cause, and the course of treatment required.

7. Explain any special circumstances that would cause an information collection to be conducted in a manner:

- **requiring respondents to report information to the agency more often than quarterly;**
- **requiring respondents to prepare a written response to a collection of information in fewer than 30 days after receipt of it;**

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- **requiring respondents to submit more than an original and two copies of any document;**
- **requiring respondents to retain records, other than health, medical, government contract, grant-in-aid, or tax records for more than three years;**
- **in connection with a statistical survey, that is not designed to produce valid and reliable results that can be generalized to the universe of study;**
- **requiring the use of a statistical data classification that has not been reviewed and approved by OMB;**
- **that includes a pledge of confidentiality that is not supported by authority established in statute or regulation, that is not supported by disclosure and data security policies that are consistent with the pledge, or which unnecessarily impedes sharing of data with other agencies for compatible confidential use; or**
- **requiring respondents to submit proprietary trade secret, or other confidential information unless the agency can demonstrate that it has instituted procedures to protect the information's confidentiality to the extent permitted by law.**

Employers are required to inform workers of exposure monitoring results within 15 working days after receiving the results either by posting the results in an appropriate location or individually in writing (29 CFR 1910.1051(d)(7)). If exposure monitoring indicates that a worker has been exposed above the PELs, employers must notify their workers in writing of the exposure-monitoring results and the steps being taken to reduce the exposure within the PELs. This notification must be provided to the workers within 15 working days after receipt of the exposure monitoring results. These requirements help ensure that workers are notified as soon as possible of exposure results and an employer's plans to reduce exposures to below the PELs.

Under OSHA's Access to Employee Exposure and Medical Records Standard (§ 1910.1020), employers must maintain the exposure monitoring results for 30 years. OSHA accounts for the burden hours and costs related to the retention of these records under the information collection request for § 1910.1020, OMB Control No. 1218-0065, Exp. Date: 11/30/2026.

8. If applicable, provide a copy and identify the date and page number of publication in the *Federal Register* of the agency's notice, required by 5 CFR 1320.8(d), soliciting comments on the information collection prior to submission to OMB. Summarize public comments

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received in response to that notice and describe actions taken by the agency in response to those comments. Specifically address comments received on cost and hour burden.

Describe efforts to consult with persons outside the agency to obtain their views on the availability of data, frequency of collection, the clarity of instructions and recordkeeping, disclosure, or reporting format (if any), and on the data elements to be recorded, disclosed, or reported.

Consultation with representatives of those from whom information is to be obtained or those who must compile records should occur at least once every three years -- even if the collection of information activity is the same as in prior periods. There may be circumstances that may preclude consultation in a specific situation. These circumstances should be explained.

As required by the Paperwork Reduction Act of 1995 (44 U.S.C. 3506(c)(2)(A)), OSHA published a notice in the *Federal Register* on December 17, 2025, (90 FR 58624) soliciting comments on its proposal to extend the Office of Management and Budget's approval of the information collection requirements contained in the 1, 3 Butadiene Standard, (29 CFR 1910.1051) under Docket No. OSHA-2012-0027. This notice was part of a preclearance consultation program that provides the general public and government agencies with an opportunity to comment on OSHA's extension request.

The agency did receive a public comment from Super-joule, private citizen, under docket number OSHA-2012-0027-0015 in response to this notice. The commenter supported OSHA's request to OMB to extend its approval of the information collection for 1,3-Butadiene Standard (29 CFR 1910.1051) of which the burden remained the same at 887 hours.

OSHA thanks this private citizen in support of the continuation for the information collection under the 1, 3 Butadiene Standard. We appreciate your recognition of the value and the necessity of these information collection requirements. Such affirming comments are essential in demonstrating the ongoing practical utility of the data and help inform our efforts to maintain efficient and effective compliance mechanisms.

9. Explain any decision to provide any payment or gift to respondents, other than remuneration of contractors or grantees.

The agency will not provide any payments or gifts to the respondents.

10. Describe any assurance of confidentiality provided to respondents and the basis for the assurance in statute, regulation, or agency policy.

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As medical records may contain private information, OSHA has taken steps to assure that the medical data are kept confidential. Agency practices and procedures governing OSHA's access to worker medical records are contained in 29 CFR 1913.10.

11. Provide additional justification for any questions of a sensitive nature, such as sexual behavior and attitudes, religious beliefs, and other matters that are commonly considered private. This justification should include the reasons why the agency considers the questions necessary, the specific uses to be made of the information, the explanation to be given to persons from whom the information is requested, and any steps to be taken to obtain their consent.

While there are no provisions in this standard requiring questions of a sensitive nature to be asked, questions perceived as such may be included in medical questionnaires. Information from medical questionnaires is necessary for the PLHCP, or employer, to determine what protections an employer must take to ensure that the employee will have minimal occupational exposure to hazards such as, insufficient oxygen environments, harmful dusts, fogs, smokes, mists, gases, vapors, and sprays.

12. Provide estimates of the hour burden of the collection of information. The statement should:

- **Indicate the number of respondents, frequency of response, annual hour burden, and an explanation of how the burden was estimated. Unless directed to do so, agencies should not conduct special surveys to obtain information on which to base hour burden estimates. Consultation with a sample (fewer than 10) of potential respondents is desirable. If the hour burden on respondents is expected to vary widely because of differences in activity, size, or complexity, show the range of estimated hour burden, and explain the reasons for the variance. Generally, estimates should not include burden hours for customary and usual business practices.**
- **If this request for approval covers more than one form, provide separate hour burden estimates for each form and aggregate the hour burdens.**
- **Provide estimates of annualized cost to respondents for the hour burdens for collections of information, identifying and using appropriate wage-rate categories.**

Respondent Burden Hour and Cost Determinations

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The agency determined the wage rate from mean hourly wage earnings to represent the cost of employee time. The following hourly wage rates for the relevant occupational categories have been derived from the *National Occupational Employment and Wage Estimates United States, May 2024*, published by the Bureau of Labor Statistics. For the relevant standard occupational classification category, OSHA used the wage rates reported in the Bureau of Labor Statistics, U.S. Department of Labor, *Occupational Employment Wage Statistics (OEWS)*, May 2024 [date accessed: July 1, 2025]. (OEWS data is available at <https://www.bls.gov/oes/tales.htm>. To access a wage rate, select the year, “Occupation Profiles,” and the Standard Occupational Classification (SOC) code.)

To derive the loaded hourly wage rate presented in the table below, the agency used data from the OEWS, as described in the paragraph above. Then, the agency applied to the wage rate a fringe benefit markup from the following BLS release: *Employer Costs for Employee Compensation* news release text; released 10:00 AM (EDT), June 13, 2025. https://www.bls.gov/news.release/archives/ecec_06132025.htm), last accessed on July 1, 2025. BLS reported that for private workers, fringe benefits accounted for 29.7% of total compensation and wages accounted for the remaining 70.3%. To calculate the loaded hourly wage for each occupation, the agency divided the mean hourly wage by 1 minus the fringe benefits.

Table 1, below, is a summary of how the wage rate estimates were derived for the information collection requirements specified in the standard.

Table 1 -- Wage Hour Estimates				
Occupational Title	SOC Code	Mean Hour Wage Rate (a)	Fringe Benefits (b)	Loaded Hourly Wage Rate (c) = (a)/(1-(b))
First Line Supervisor	51-1011	\$35.84	0.297	\$50.98
Construction Trade Workers (Worker)	47-2000	\$29.60	0.297	\$42.11
Secretaries and Administrative Assistants	43-6014	\$22.90	0.297	\$32.57

Table 2 provides a summary of industry sectors used in arriving at the burden hours and cost analysis.

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Table 2 -- Information for Burden and Cost Analysis⁵					
Industry Sector	No. of Shifts/ Facility	No. of Sample s/ Shift/ Year	No. of Job Categories/ Facility	No. of Facilities/ Industry Sector	No. of Job Categories in All Facilities
Monomer	2	4	5	6	30
Polymer	2	4	8	35	283
Crude	2	4	5	13	67
Stand-alone	2	4	3	3	8
TOTAL	---	---	---	57	388

(A) Exposure Monitoring (§ 1910.1051(d))

According to the Final Economic Analysis (FEA) of the BD standard, the Petroleum Refining Sector has potential exposures to BD that are low and of extremely short duration.

Therefore, to analyze the monitoring provisions of the standard, the Petroleum Refining Sector will incur no burden.

1. Initial Monitoring (§ 1910.1051(d)(2))

The standard requires each employer to perform initial monitoring to determine the airborne concentrations of BD to which workers may be exposed. Employers exempted from certain provisions by paragraph (a)(2) may instead rely on objective data to estimate worker exposure levels. Also, if an employer has monitored within two years prior to the standard's effective date, the employer may rely on these prior monitoring results to meet the requirements of paragraph (d)(2)(i), provided: the conditions under which the initial monitoring was conducted have not changed in a manner that may result in new or additional worker exposures, and the monitoring meets all other requirements of the standard.

The agency assumes no new BD facilities are requiring initial monitoring; therefore, no burden

⁵ The figures shown in the table are based upon the estimated number of facilities affected by the agency's final butadiene standard (1996) and the employment patterns modeled in the FEA supporting that standard. The figures in the table were later revised for the 2020 ICR after a review of proprietary data available to the agency at that time. Upon reviewing recent trends in industry output and market composition, for this ICR the agency has left the table unchanged.

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hours have been attributed to this provision.

2. Periodic Monitoring (§ 1910.1051(d)(3))

According to the FEA for the BD standard, there are no firms with exposures above the PELs.

However, the agency assumes that there are facilities that have exposures above the action level, and these facilities must conduct annual monitoring. The FEA estimated the total number of job categories (industry-wide) that would require annual monitoring after engineering controls are implemented; for each industry sector, the numbers are: Monomer, 6; Polymer, 28; Crude, 14; and Stand-alone, 2.

For each job category, OSHA assumes employers will use passive dosimeters to collect four samples during each of two shifts--two samples for the 8-hour TWA and two samples for the STEL--and that the employer will collect these samples annually; therefore, the total number of samples collected across the four industry sectors each year under this requirement would be 400 (50 job categories × 8 samples per job category). The agency also assumes that it will take a supervisor, earning \$50.98 per hour, ten minutes (10/60 hour) to administer and collect the passive dosimeters. The burden hours and cost of this provision are provided in Table 3, the aggregate of which is used for final calculations under Item 12:

Table 3 -- Burden Hours and Costs for Periodic Monitoring

Industry Sector	No. of Shifts	No. of Samples per Shift per Year	No. of Job Categories in All Facilities (Annual)	Responses per Respondent	Time per Response (hours)	Burden Hours	Burden Costs
Monomer	2	4	6	48	10/60	8	\$408
Polymer	2	4	28	224	10/60	37	\$1,886
Crude	2	4	14	112	10/60	19	\$969
Stand Alone	2	4	2	16	10/60	3	\$153
TOTAL	---	---	50	400	---	67	\$3,416

3. Additional Monitoring (§ 1910.1051(d)(5))

For the purposes of this ICR, OSHA assumes that 10% of the job categories will have a change in process or personnel each year that requires additional exposure monitoring. The total number of job categories affected by this requirement, therefore, would be five (10% of 50 job

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categories), resulting in a total of 40 additional samples collected across the four industry sectors each year (5 job categories × 8 samples per job category). It will take a supervisor approximately 10 minutes (10/60 hours) to comply with this provision.

Burden hours: 40 samples × 10/60 hours/sample = 7 hours

Cost: 7 hours × \$50.98 = \$357

4. Notification of Results (§ 1910.1051(d)(7)(i))

The standard requires the employer, within 15 working days after receiving exposure-monitoring results, to notify the affected worker of these results. If the results indicate that a worker has been exposed above the 8-hour TWA or STEL, regardless of whether respirators are used, employers must notify the workers in writing of the results and the steps being taken to reduce their exposure within the PELs. This notification must be provided to the workers within 15 working days of receiving the results. The agency assumes that the employer will post the results in an accessible location.

Initial Monitoring Notification

Based on the agency's assumption that initial exposure monitoring is no longer needed (*see* discussion under “Initial Monitoring” above), worker notification of these results is not required; therefore, no burden hours have been attributed to this requirement.

Periodic Monitoring Notification

For the purposes of this ICR, OSHA assumes that employers post their exposure-monitoring results and that one posting will contain the monitoring results for all job classifications and for each shift.

To determine the number of facilities required to post periodic monitoring results, the agency divided the number of job categories involved in periodic exposure monitoring (50, *see* Table 3 above) by the total number of job categories in the four industry sectors (388, *see* Table 2 above), resulting in 12.9%; and multiplied the total number of facilities in the four industry sectors (57, *see* Table 2 above), resulting in 7 facilities. The agency estimates that an administrative assistant will take five minutes (5/60 hours) to post the monitoring results for each facility.

Burden hours: 7 facilities × 1 posting/facility × 5/60 hours/posting
= 1 hour (rounded)

Cost: 1 hour × \$32.57 = \$33

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Additional Notification

The agency used the same procedure described above in “Periodic Monitoring Notification” to determine the number of facilities required to notify (by posting) workers of additional exposure-monitoring results. In this regard, employers would be required to post such results for four job categories (see Tables 2 and 3 above), or about 1% of all job categories. Multiplying the total number of facilities (57) by 1% resulted in only one facility being required to post additional monitoring results. However, OSHA acknowledges that all five job categories may not occur in just one facility. For the purposes of calculating burden hours and costs for this requirement, OSHA assumes that there will be one job category per facility that will require additional posting.

Burden hours: $4 \text{ facilities} \times 1 \text{ posting/facility} \times 5/60 \text{ hours/posting} = 1 \text{ hour (rounded)}$
Cost: $1 \text{ hour} \times \$32.57 = \33

Notification of Corrective Action

Where exposure-monitoring results indicate that the PELs have been exceeded, employers must provide workers, in writing, with information on the corrective action being taken by the employer to reduce worker exposure within 15 working days. According to the Final Economic Analysis, no workers are exposed above the 8-hour TWA or STEL; therefore, no burden hours have been attributed to this requirement.

(B) Compliance Program (§ 1910.1051(f)(2))

If worker exposures exceed the PELs, the employer must establish and implement a written program to reduce worker exposure to or below the PELs. This program must reduce exposures using primarily engineering and work practice controls as required by paragraph (f)(1) of the standard, and then respiratory protection as required or permitted by the standard. The Final Economic Analysis found that all facilities are below the 8-hour TWA and the STEL; therefore, no burden hours have been attributed to this provision.

(C) Exposure-Goal Program (§ 1910.1051(g))

In addition to compliance with the PELs, the employer must implement and update an exposure-goal program to limit worker exposure at or below the action level during normal operations. The agency assumes that a supervisor will take 1 hour each year to update a facility’s exposure-goal program. As noted above (see “Periodic Monitoring Notification”), a total of 7 facilities has worker exposures above the action level and, therefore, will require periodic monitoring.

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Burden hours: 7 facilities $\times$ 1 hour/facility = 7 hours

Cost: 7 hours $\times$ \$50.98 = \$357

(D) Respirator Program (§ 1910.1051(h)(2))

The standard requires employers to implement a respiratory protection program in accordance with the provisions of OSHA's Respiratory Protection Standard (29 CFR 1910.134). The burden for this requirement is taken under the ICR for the Respiratory Protection Standard, OMB Control Number 1218-0099. Therefore, the agency is not attributing any burden to the provision under this standard.

1. Respirator Filter Element Labeling (§ 1910.1051(h)(2)(iv))

Labels must be attached to each respirator filter element to indicate the date and time it is first installed on the respirator.

OSHA estimates that five facilities conduct additional monitoring (*see discussions above, “(A) Exposure Monitoring (§ 1910.1051(d))” and “Additional Monitoring (§ 1910.1051(d)(5))”*). OSHA estimates 2 persons per facility, for a total of 10 workers (five facilities $\times$ 2 workers) wear respirators that require labeling during such activities. OSHA also estimates that 43 workers⁶ will be involved in an emergency. The associated burdens for this requirement will be allocated under a following provision in this standard (*see “(F) Medical Surveillance (§ 1910.1051(k))”*).

To determine the number of filter-element labels required, the agency assumes that each worker uses two filter elements (cartridges) per shift, and that the worker takes 15 seconds (0.25/60 hour) to write the date and time on each new cartridge label. The number of days workers wear respirators depends on the type of additional monitoring activity or emergency. For the purposes of calculating burden hours and costs, the agency assumes that the maximum time workers would wear respirators is one week, indicating that a worker will spend

Burden hours: 53 workers $\times$ 2 cartridges/worker-day $\times$ 0.25/60
hours/cartridge $\times$ 7 days = 3 hours

Cost: 3 hours $\times$ \$42.11 = \$126

(E) Emergency Situation Plan (§ 1910.1051(j))

The burden for this requirement is taken under the ICR for OSHA's HAZWOPER (Hazardous

⁶ OSHA assumes that 10% of the 426 workers who are exposed above the action level will be referred to a medical specialist.

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Waste Operations and Emergency Response) Standard (29 CFR 1910.120), OMB Control Number 1218-0202.

(F) Medical Surveillance (§1910.1051(k))

The standard requires that workers exposed above the action level receive a medical examination once every 3 years after their initial physical examination. They must also complete a health questionnaire and a complete blood count (CBC) every year. According to the Final Economic Analysis, a total of 426 workers remain exposed to BD above the action level, but below the PELs, after employers implement engineering and work practice controls; for each industry sector, the number of exposed workers is: Monomer, 54; Polymer, 341; Crude, 14; and Stand-Alone, 17. Workers exposed to emergency situations must receive a CBC within 48 hours of BD exposure, and then monthly for 3 months, and a medical examination if they report irritation to the eyes, nose, throat, lungs, or skin, blurred vision, coughing, drowsiness, nausea, or headache.

1. Periodic Examinations (§ 1910.1051(k)(3)(i) & (ii))

The burden for medical surveillance is the lost work time incurred by the employer while a worker is away from work receiving the required medical examination. Based on estimates in the Final Economic Analysis, OSHA assumes that each year, 142 workers (426 workers divided by 3 years) will spend 90 minutes (90/60 hours) away from the job for this purpose. This estimate includes worker travel time, the medical examination, and any other tests deemed necessary by the examining physician or other licensed health-care professional. The agency also estimates that the annual health questionnaire and complete blood count (CBC) take an additional half hour (30/60 hours) for each of the 426 workers to complete. The total number of workers receiving exams is 142.

Burden hours: $142 \text{ exams} \times 1.5 \text{ hours/exam} = 213 \text{ hours}$

Cost: $213 \text{ hours} \times \$42.11 = \$8,969$

Burden hours: $426 \text{ questionnaires} \times 30/60 \text{ hour/questionnaire-CBC} = 213 \text{ hours}$

Cost: $213 \text{ hours} \times \$42.11 = \$8,969$

Subtotal Burden hours: $213 + 213 = 426 \text{ hours}$

Subtotal Cost: $\$8,969.43 + \$8,969.43 = \$17,939$

2. Emergency Examinations (§ 1910.1051(k)(4))

The agency assumes that one-half of the 57 facilities (29 facilities) will have a worker who

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requires a 90-minute emergency medical examination annually (90/60 hours) and 4 CBCs (30/60 hours, total) each year.

Burden hours: 29 facilities $\times$ 2 hours/facility = 58 hours

Cost: 58 hours $\times$ \$42.11 = \$2,442

3. Additional Examinations (§ 1910.1051(k)(5))

The agency assumes that each year, 43 workers (10% of the 426 workers who are exposed above the action level) will require a referral to a medical specialist. OSHA assumes that a worker would take 2 hours to complete a specialist's evaluation.

Burden hours: 43 exams $\times$ 2 hours per exam = 86 hours

Cost: 86 hours $\times$ \$42.11 = \$3,621

4. Information Provided to the PLHCP (§1910.1051(k)(6))

Employers must provide the PLHCP with specific information on each worker examined. OSHA assumes that this requirement will take 15 minutes (15/60 hours) of a secretary's time to send the information on each examination to the PLHCP. The total number of examinations each year is 498 (426 periodic, 29 emergencies, and 43 additional examinations).

Burden hours: 498 examinations $\times$ 15/60 hour/examination = 125 hours

Cost: 125 hours $\times$ \$32.57 = \$4,071

(G) Employee Information and Training (§ 1910.1051(l)(2)(ii))

Under this provision, employers must develop and maintain a record of the contents of their training program. For the purposes of this ICR, OSHA assumes that this is a one-time burden and that employers have already met this requirement; therefore, no burden hours have been attributed to this provision.

(H) Recordkeeping (§ 1910.1051(m))

1. Objective Data (§ 1910.1051(m)(1))

According to the FEA, the only sector that would be exempt from the exposure-monitoring requirements of the standard under paragraph (a)(2) is Petroleum Refining, which the FEA estimated had 140 facilities. OSHA assumes that all of these facilities use objective data, which they have already collected.

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Additionally, the agency estimates that a secretary will take 5 minutes (5/60 hour) each year to maintain these data records at each facility.

Burden hours: $140 \text{ facilities} \times 5/60 \text{ hours/facility} = 12 \text{ hours}$
Cost: $12 \text{ hours} \times \$32.57 = \$391$

2. Exposure Monitoring (§ 1910.1051(m)(2))

Periodic Monitoring

As noted earlier under “Periodic Monitoring,” 400 exposure-monitoring samples are collected each year across the four industry sectors. The agency estimates that a secretary will take 5 minutes (5/60 hour) to maintain the records for these samples.

Burden hours: $400 \text{ samples} \times 5/60 \text{ hours/sample} = 33 \text{ hours}$
Cost: $33 \text{ hours} \times \$32.57 = \$1,075$

Additional Monitoring

The previous determination performed under “Additional Monitoring” showed that 40 additional exposure-monitoring samples will be collected each year across the four industry sectors. The agency estimates that a secretary takes 5 minutes (5/60 hour) to maintain the records for these samples.

Burden hours: $40 \text{ samples} \times 5/60 \text{ hours/sample} = 3 \text{ hours}$
Cost: $3 \text{ hours} \times \$32.57 = \98

4. Medical Examinations (§ 1910.1051(m)(4))

Based on the determination made above (see “Information provided to the PLHCP”), a total of 498 medical records must be maintained annually by all employers. The agency considers negligible the requirement to maintain previous medical records of workers who are no longer covered by the medical-surveillance provision. OSHA estimates that a secretary takes 5 minutes (5/60 hour) to maintain each medical record, which may consist of medical examination results, tests, CBCs, and questionnaires.

Burden hours: $498 \text{ records} \times 5/60 \text{ hours/sample} = 42 \text{ hours}$
Cost: $42 \text{ hours} \times \$32.57 = \$1,368$

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5. Worker Access (§ 1910.1051(m)(5))

The Final Economic Analysis determined that 1,906 workers are subject to the exposure-monitoring and/or medical surveillance provisions of the standard. OSHA estimates that 10% of these workers (191 workers) will request access to these records. The agency estimates that a secretary takes 5 minutes (5/60 hour) to respond to such requests.

Burden hours: 191 workers × 5/60 hours/worker = 16 hours

Cost: 16 hours × \$32.57 = \$521

Table 4 -- Estimated Annualized Respondent Hour and Cost Burden								
Information Collection Requirement	Type of Respondent	No. of Respondents	Responses per Respondent	Total Responses	Time per Response (Hours)	Burden Hour	Loaded Hourly Wage	Burden Costs
A. Exposure Monitoring								
1. Initial Monitoring (§ 1910.1051(d)(2))	Worker	0	0	0	0	0	\$42.11	\$0
2. Periodic Monitoring (§ 1910.1051 (d)(3))	First Line Supervisor	50	8	400	10/60	67	\$50.98	\$3,416
3. Additional Monitoring	First Line Supervisor	40	1	40	10/60	7	\$50.98	\$357
4. Notification of Results (§ 1910.1051(d)(7)(i))				0		0		\$0
Initial Monitoring Notification	Worker	0	0	0	0	0	\$42.11	\$0
Periodic Monitoring notification	Secretary /Clerical	7	1	7	5/60	1	\$32.57	\$33
Additional Notification	Secretary /Clerical	7	1	7	5/60	1	\$32.57	\$33
Notification of Corrective Action	Secretary /Clerical	0	0	0	0	0	\$32.57	\$0
(B) Compliance Program (§ 1910.1051(f)(2))	Worker	0	0	0	0	0	\$42.11	\$0
(C) Exposure-Goal Program (§ 1910.1951(g))	First Line Supervisor	7	1	7	1	7	\$50.98	\$357
(D) Respiratory Program (§ 1910.1051(h)(2))	Worker	0	0	0	0	0	\$42.11	\$0
1. Respirator Filter Element Labeling	Worker	53	14	742	0.25/60	3	\$42.11	\$126

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Table 4 -- Estimated Annualized Respondent Hour and Cost Burden								
Information Collection Requirement	Type of Respondent	No. of Respondents	Responses per Respondent	Total Responses	Time per Response (Hours)	Burden Hour	Loaded Hourly Wage	Burden Costs
(E) Emergency Situation Plan (§ 1910.1051(j))	Worker	0	0	0	0	0	\$42.11	\$0
(F) Medical Surveillance (§ 1910.1051(k))								
1. Periodic Examinations	Worker	142	1	142	90/60	213	\$42.11	\$8,969
	Worker	426	1	426	30/60	213	\$42.11	\$8,969
2. Emergency Examinations	Worker	29	1	29	2	58	\$42.11	\$2,442
3. Additional Examinations	Worker	43	1	43	2	86	\$42.11	\$3,621
4. Information provided to PLHCP	Secretary /Clerical	498	1	498	15/60	125	\$32.57	\$4,071
(G) Employee Information and Training	Worker	0	0	0	0	0	\$42.11	\$0
(H) Recordkeeping (§ 1910.1051(m))								
1. Objective Data	Secretary /Clerical	140	1	140	5/60	12	\$32.57	\$391
2. Exposure Monitoring	Secretary /Clerical							
Periodic Monitoring	Secretary /Clerical	400	1	400	5/60	33	\$32.57	\$1,075
Additional Monitoring	Secretary /Clerical	40	1	40	5/60	3	\$32.57	\$98
4. Medical Examinations	Secretary /Clerical	498	1	498	5/60	42	\$32.57	\$1,368
5. Worker Access to records	Secretary /Clerical	191	1	191	5/60	16	\$32.57	\$521
Totals	---	---	---	3,610	---	887	---	\$35,847 (rounded)

The number of respondents is 57.

13. Provide an estimate of the total annual cost burden to respondents or recordkeepers resulting from the collection of information. (Do not include the cost of any hour burden shown in Items 12 and 14.)

- The cost estimate should be split into two components: (a) A total capital and start-up cost component (annualized over its expected useful life); and (b) a total operation and maintenance and purchase of services component. The

estimates should take into account costs associated with generating, maintaining, and disclosing or providing the information. Include descriptions of methods used to estimate major cost factors including system and technology acquisition, expected useful life of capital equipment, the discount rate(s), and the time period over which costs will be incurred. Capital and start-up costs include, among other items, preparations for collecting information such as purchasing computers and software; monitoring, sampling, drilling and testing equipment; and record storage facilities.

- **If cost estimates are expected to vary widely, agencies should present ranges of cost burdens and explain the reasons for the variance. The cost of purchasing or contracting out information collection services should be a part of this cost burden estimate. In developing cost burden estimates, agencies may consult with a sample of respondents (fewer than 10), utilize the 60-day pre-OMB submission public comment process and use existing economic or regulatory impact analysis associated with the rulemaking containing the information collection, as appropriate.**
- **Generally, estimates should not include purchases of equipment or services, or portions thereof, made: (1) Prior to October 1, 1995; (2) to achieve regulatory compliance with requirements not associated with the information collection; (3) for reasons other than to provide information or keep records for the government; or (4) as part of customary and usual business or private practices.**

OSHA estimates that the total annual cost to respondents is **\$103,550**: \$35,640 for exposure monitoring and \$67,910 to administer medical examinations and questionnaires.

1. Exposure Monitoring

The agency estimates that it costs employers \$81 to collect and analyze Butadiene samples using a vapor badge⁷.

Periodic Monitoring: $400 \text{ samples} \times \$81.00 = \$32,400.00$

⁷ Galson Labs, 2023. Galson Labs, 2023. Sampling + Analysis. Available at [SAG Detail | SGS Galson](http://galsonlabs.com/samplinganalysis/sampling-analysis-guide/) <http://galsonlabs.com/samplinganalysis/sampling-analysis-guide/> (Accessed July 1, 2025). According to the online company representative, 1,3- Butadiene is \$81 per sample on the Assay N566 badge.

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Additional Monitoring: 40 samples $\times$ \$81.00 = \$3,240.00

Total Cost: \$35,640

2. Medical Examinations

The agency estimates that a questionnaire costs \$53.00 to administer, and a medical examination, not including a medical questionnaire, costs \$194.00.⁸

Periodic Examinations: 426 questionnaires $\times$ \$53.00 = \$22,578
142 medical examinations $\times$ \$194.00 = \$27,548
The total for medical examinations and questionnaires is \$50,126

Emergency Examinations: 29 examinations $\times$ \$247 (\$53 medical questionnaires + \$194 medical examinations) = \$7,163

Additional Examinations: 43 examinations $\times$ \$247 (\$53 medical questionnaires + \$194 medical examinations) = \$10,621

Total Cost: \$67,910

Table 5 – Total Annualized Cost

Information Collection Requirement	Total Responses	Cost
Exposure Monitoring	440	\$35,640

⁸ The Consumer Price Index (CPI) indicated an 7.34% increase in the price of medical care services from 2021 to 2024. The previous ICR (from January 2023) estimated that the cost to administer a questionnaire was \$49, while the cost of a medical examination, not including a questionnaire, was \$181; given the 7.34% increase in the price of medical care services, it is assumed that the cost of both the medical questionnaire and examination increased by 7.34% as well.

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Medical Examinations	640	\$67,910
TOTAL	---	\$103,550

14. Provide estimates of the annualized cost to the Federal Government. Also, provide a description of the method used to estimate cost, which should include quantification of hours, operational expenses (such as equipment, overhead, printing, and support staff), and any other expense that would not have been incurred without this collection of information. Agencies also may aggregate cost estimates from Items 12, 13, and 14 into a single table.

The agency has no annualized costs associated with enforcing the standard. OSHA would only review records in the context of an investigation of a particular employer to determine compliance with the standard. These activities would not be subject to the PRA under 5 CFR 1320.4(a)(2).

15. Explain the reasons for any program changes or adjustments.

The agency is requesting that the burden of 887 hours remain the same.

OSHA is requesting an adjustment increase in Capital Cost of \$6,974 from \$96,576 to \$103,550. This adjustment is due to a 6.7% increase in Galson lab prices per sample going from \$76 to \$81 per sample.

Table 6 -- Adjustment of Existing and Requested of Burden Hours

Information Collection Requirement	Existing Burden Hours	Requested Burden Hours	Adjustment
(A) Exposure Monitoring			
1. Initial Monitoring	0	0	0
2. Periodic Monitoring	67	67	0
3. Additional Monitoring	7	7	0
4. Notification of Results			

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Information Collection Requirement	Existing Burden Hours	Requested Burden Hours	Adjustment
Initial Notification	0	0	0
Periodic Notification	1	1	0
Additional Notification	1	1	0
Notification of Corrective Action	0	0	0
(B) Written Compliance Plan	0	0	0
(C) Exposure-Goal Program	7	7	0
(D) Respirator Program			
1. Filter Element Labeling ⁹	0	0	0
2. Emergency Examinations	3	3	0
(E) Emergency Situation Plan	0	0	0
(F) Medical Surveillance			
1. Periodic Examinations ¹⁰	426	426	0
2. Emergency Examinations	58	58	0
3. Additional Examinations	86	86	0
4. Information Provided to Physicians or Other Licensed Health-Care Professionals	125	125	0
(G) Worker Information and Training			
Record of Program Content	0	0	0

⁹ The respirator fit-testing provision, including the recordkeeping requirements associated with this provision specified in paragraph (m)(3) of the standard, have been superseded by the respirator fit-testing requirements specified in OSHA's Respiratory Protection Standard (29 CFR 1910.134).

¹⁰ This determination includes the burden for completing initial medical examinations; OSHA considers the initial medical examination to be the first examination administered in a series of periodic examinations.

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Information Collection Requirement	Existing Burden Hours	Requested Burden Hours	Adjustment
(H) Recordkeeping			
1. Objective Data	12	12	0
2. Exposure Monitoring	0	0	0
Periodic Monitoring	33	33	0
Additional Monitoring	3	3	0
3. Respirator Fit-Testing Records	0	0	0
4. Medical Examinations	42	42	0
5. Worker Access	16	16	0
TOTAL	887	887	0

16. For collections of information whose results will be published, outline plans for tabulation, and publication. Address any complex analytical techniques that will be used. Provide the time schedule for the entire project, including beginning and ending dates of the collection information, completion of report, publication dates, and other actions.

The information collected under this standard will not be published for statistical use.

17. If seeking approval to not display the expiration date for OMB approval of the information collection, explain the reasons that display would be appropriate.

OSHA lists current valid control numbers in §§ 1910.8, 1915.8, 1917.4, 1918.4, and 1926.5 and publishes the expiration date in the *Federal Register* notice announcing OMB approval of the information collection requirement. (See 5 CFR 1320.3(f)(3)). OSHA believes that this is the most appropriate and accurate mechanism to inform interested parties of these expiration dates.

18. Explain each exception to the certification statement.

OSHA is not seeking an exception to the certification statement.

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B. COLLECTION OF INFORMATION EMPLOYING STATISTICAL METHODS.

This supporting statement does not contain any collection of information requirements that employ statistical methods.