

Testing, Evaluation, And Approval of Mining Products, 30 CFR Subchapter B - Parts 6 Through 36

OMB Control Number: 1219-0066

OMB Expiration Date: 7/31/2024

**Supporting Statement for
Testing, Evaluation, And Approval of Mining Products, 30 CFR
Subchapter B - Parts 6 Through 36
Paperwork Reduction Act Submissions**

This information collection request (ICR) seeks to extend, without change, an existing information collection request.

OMB Control Number: 1219-0066

Information Collection Request Title: Testing, Evaluation, and Approval of Mining Products, 30 CFR Subchapter B - Parts 6 through 36

Type of OMB Review: Extension

Authority:

30 CFR 6 Testing and Evaluation by Independent Laboratories and Non MSHA Product Safety Standards

30 CFR 6.10(a) and (d) Use of independent laboratories

30 CFR 7 Testing by Applicant or Third Party

Subpart A - General

30 CFR 7.3 Application procedures and requirements.

30 CFR 7.4 Product testing.

30 CFR 7.6 Approval marking and distribution record.

30 CFR 7.7 Quality assurance.

Subpart B - Brattice Cloth and Ventilation Tubing

30 CFR 7.23 Application requirements.

30 CFR 7.27 Test for flame resistance of brattice cloth.

30 CFR 7.28 Test for flame resistance of rigid ventilation tubing.

Subpart C - Battery Assemblies

30 CFR 7.43 Application requirements.

30 CFR 7.46 Impact test.

30 CFR 7.47 Deflection temperature test.

30 CFR 7.48 Acid resistance test.

30 CFR 7.49 Approval marking.

30 CFR 7.51 Approval checklist.

Testing, Evaluation, and Approval of Mining Products, 30 CFR Subchapter B - Parts 6 through 36

OMB Control Number 1219-0066

OMB Expiration Date: 7/31/2024

Subpart D - Multiple-Shot Blasting Units

30 CFR 7.63 Application requirements.

30 CFR 7.69 Approval marking.

30 CFR 7.71 Approval checklist.

Subpart E - Diesel Engines Intended for Use in Underground Coal Mines

30 CFR 7.83 Application requirements.

30 CFR 7.90 Approval marking.

Subpart F - Diesel Power Packages Intended for Use in Areas of Underground Coal Mines Where Permissible Electric Equipment is Required

30 CFR 7.97 Application requirements.

30 CFR 7.105 Approval marking.

30 CFR 7.108 Power package checklist.

Subpart J - Electric Motor Assemblies

30 CFR 7.303 Application requirements.

30 CFR 7.306 Explosion tests.

30 CFR 7.309 Approval marking.

30 CFR 7.311 Approval checklist.

Subpart K - Electric Cables, Signaling Cables, and Cable Splice Kits

30 CFR 7.403 Application requirements.

30 CFR 7.407 Test for flame resistance of electric cables and cable splices.

30 CFR 7.408 Test for flame resistance of signaling cables.

30 CFR 7.409 Approval marking.

Subpart L - Refuge Alternatives

30 CFR 7.503 Application requirements

30 CFR 14 - Requirements for the Approval of Flame-Resistant Conveyor Belts

30 CFR 14.4 Application procedures and requirements.

30 CFR 15 Requirements for Approval of Explosives and Sheathed Explosive Units

30 CFR 15.4 Application procedures and requirements.

30 CFR 15.8 Quality assurance.

30 CFR 18 - Electric Motor-Driven Mine Equipment and Accessories

30 CFR 18.6 Applications.

30 CFR 18.15 Changes after approval or certification.

30 CFR 18.53(h) High-voltage longwall mining systems.

Testing, Evaluation, and Approval of Mining Products, 30 CFR Subchapter B - Parts 6 through 36

OMB Control Number 1219-0066

OMB Expiration Date: 7/31/2024

- 30 CFR 18.81 Field modification of approved (permissible) equipment; application for approval of modification; approval of plans for modification before modification.
- 30 CFR 18.82 Permit to use experimental electric face equipment in a gassy mine or tunnel.
- 30 CFR 18.90 Purpose.
- 30 CFR 18.91 Electric equipment for which field approvals will be issued.
- 30 CFR 18.92 Quality of material and design.
- 30 CFR 18.93 Application for field approval; filing procedures.
- 30 CFR 18.94 Application for field approval; contents of application.
- 30 CFR 18.95 Approval of machines constructed of components approved, accepted or certified under Bureau of Mines Schedule 2D, 2E, 2F, or 2G.
- 30 CFR 18.96 Preparation of machines for inspection; requirements.
- 30 CFR 18.97 Inspection of machines; minimum requirements.
- 30 CFR 19.98 Enclosures, joints, and fastenings; pressure testing.
- 30 CFR 18.99 Notice of approval or disapproval; letters of approval and approval plates.

30 CFR 19 - Electric Cap Lamps

- 30 CFR 19.3 Application procedures and requirements.
- 30 CFR 19.10 Material required for MSHA records.
- 30 CFR 19.13 Instructions for handling future changes in lamp design.

30 CFR 20 Electric Mine Lamps Other Than Standard Cap Lamps

- 30 CFR 20.3 Application procedures and requirements.
- 30 CFR 20.11 Material required for MSHA records.
- 30 CFR 20.14 Instructions for handling future changes in lamp design.

30 CFR 22 - Portable Methane Detectors

- 30 CFR 22.4 Application procedures and requirements.
- 30 CFR 22.8 Material required for MSHA records.
- 30 CFR 22.11 Instructions on handling future changes in design.

30 CFR 23- Telephones and Signaling Devices

- 30 CFR 23.3 Application procedures and requirements.
- 30 CFR 23.7 Specific requirements for approval.
- 30 CFR 23.10 Material required for MSHA records.
- 30 CFR 23.12 Wording, purpose, and use of approval plate.
- 30 CFR 23.14 Instructions for handling future changes in design.

30 CFR 27-Methane-Monitoring Systems

- 30 CFR 27.4 Application procedures and requirements.

Testing, Evaluation, and Approval of Mining Products, 30 CFR Subchapter B - Parts 6 through 36

OMB Control Number 1219-0066

OMB Expiration Date: 7/31/2024

30 CFR 27.6 Certification of components.

30 CFR 27.11 Extension of certification.

30 CFR 28 - Fuses for Use with Direct Current in Providing Short-Circuit Protection for Trailing Cables in Coal Mines Providing Short-Circuit Protection for Trailing Cables in Coal Mines

30 CFR 28.10 Application procedures.

30 CFR 28.23 Approval labels or markings; approval of contents; use.

30 CFR 28.25 Changes or modifications of approved fuses; issuance of modification of certificate of approval.

30 CFR 28.30 Quality control plans; filing requirements.

30 CFR 28.31 Quality control plans; contents.

30 CFR 33 - Dust Collectors for Use in Connection with Rock Drilling in Coal Mines

30 CFR 33.6 Application procedures and requirements.

30 CFR 33.12 Changes after certification.

30 CFR 35 - Fire-Resistant Hydraulic Fluids

30 CFR 35.6 Application procedures and requirements.

30 CFR 35.10 Approval labels or markings.

30 CFR 35.12 Changes after certification.

30 CFR 36 - Approval Requirements for Permissible Mobile Diesel-Powered Transportation Equipment

30 CFR 36.6 Application procedures and requirements.

30 CFR 36.12 Changes after certification.

Collection Instrument(s): MSHA Form 2000-38, Electrically Operated Mining Equipment U.S. Department of Labor Field Approval Application (Coal Operator)

General Instructions

A Supporting Statement, including the text of the notice to the public required by 5 CFR 1320.5(a)(i)(iv) and its actual or estimated date of publication in the Federal Register, must accompany each request for approval of a collection of information. The Supporting Statement must be prepared in the format described below, and must contain the information specified in Section A below. If an item is not applicable, provide a brief explanation. When the question "Does this ICR contain surveys, censuses or employ statistical methods" is checked "Yes", Section B of the Supporting Statement must be completed. OMB reserves the right to require the submission of additional information with respect to any request for approval.

Testing, Evaluation, and Approval of Mining Products, 30 CFR Subchapter B - Parts 6 through 36

OMB Control Number 1219-0066

OMB Expiration Date: 7/31/2024

Specific Instructions

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.

Section 103(h) of the Federal Mine Safety and Health Act of 1977, as amended (Mine Act), 30 U.S.C. 813(h), authorizes the Mine Safety and Health Administration (MSHA) to collect information necessary to carry out its duty in protecting the safety and health of miners. Further, section 101(a) of the Mine Act, 30 U.S.C. 811(a), authorizes the Secretary of Labor (Secretary) to develop, promulgate, and revise, as may be appropriate, improved mandatory health or safety standards for the protection of life and prevention of injuries in coal, metal, and nonmetal mines.

Under section 508 of the Mine Act, 30 U.S.C. 957, MSHA is authorized to regulate mining equipment or other products for use in mines to ensure that the equipment will not cause a mine explosion or a mine fire to protect the safety and health of miners. For example, section 305(a)(1) of the Mine Act, 30 U.S.C. 865(a)(1), requires that all junction or distribution boxes, handheld electric drills, blower and exhaust fans, and other electrical equipment used at the face of an underground gassy mine be "permissible."

Sections 318(c) and 318(i) of the Mine Act, 30 U.S.C. 878(c)(1) and 30 U.S.C. 878(c)(2), define "permissible" to mean explosives or equipment including electrically operated equipment, whether used at the face or not, for which the Secretary requires an approval plate, label, or other device to be attached. For this approval, the equipment must meet the Secretary's specifications for construction, maintenance, design, or other specifications as prescribed by MSHA to ensure that the equipment will not cause a mine explosion or a mine fire. Explosives also must meet MSHA specifications. Further, MSHA may prescribe the use of explosives and equipment in this approval.

In addition, section 101(a)(7) of the Mine Act, 30 U.S.C. 811(a)(7), requires MSHA to prescribe the use of labels or other necessary forms to provide miners information that will protect their safety and health.

The mining products that MSHA approves range from extremely small electronic devices to very large complex mining systems. MSHA's approval regulations are contained in 30 CFR 6, 7, 14, 15, 18, 19, 20, 22, 23, 27, 28, 33, 35, and 36. MSHA evaluates and tests these mining products and issues approvals, certifications, or acceptances. An approval is issued to a completely assembled machine or system, or

Testing, Evaluation, and Approval of Mining Products, 30 CFR Subchapter B - Parts 6 through 36

OMB Control Number 1219-0066

OMB Expiration Date: 7/31/2024

to an explosive. A certification is issued to a component or subsystem of a completely assembled machine or system. An acceptance is issued for materials and certain other products.

An approval of a mining product constitutes a license authorizing the approval-holder to build as approved and to distribute the product for use in underground mines, to display an MSHA marking with an approval number, and to advertise the product as "MSHA-approved." The approval-holder accepts the responsibility for constructing or formulating the product in exact accordance with drawings, specifications, and use that accompanies the approval letter. In this justification statement, "approval" will be used to represent MSHA granting an approval, certification, or acceptance because the general application processes are similar.

MSHA regulations at 30 CFR 6 through 36 contain application, testing and inspection procedures, and quality control procedures for the approval of mining equipment or explosives used in both underground and surface coal, metal, and nonmetal mines. Except for 30 CFR 6 and 7, MSHA conducts most of the testing and evaluation of products for a fee paid by the applicant; however, some regulations require the manufacturer to pretest the product. Upon MSHA approval, the manufacturer must ensure that the product continues to conform to the specifications and design evaluated and approved by MSHA. In some instances, as part of the approval process, manufacturers are required to have a quality control or assurance plan. In addition, some parts provide for product and manufacturing audits as well as the reporting of problems with products approved.

Under 30 CFR 14.4, 15.4, 18.6, 18.81, 18.82, 18.90 through 18.99, 19.3, 19.10, 20.3, 20.11, 22.4, 22.8, 23.3, 23.10, 27.4, 27.6, 28.10, 33.6, 35.6, and 36.6, applicants seeking product approval must submit an application that includes all the specifications, drawings, and other information needed for the approval. This information is necessary for MSHA to evaluate, test, and possibly approve products that do not cause a fire or explosion risk in a mine.

Some products have separate requirements for applications for extensions of approvals to cover proposed changes: 30 CFR 18.15, 19.13, 20.14, 22.11, 23.14, 27.11, 28.25, 33.12, 35.12, and 36.12. For extensions of approvals, the applicant is not required to resubmit documentation that is duplicative or was previously submitted for the approval. Only information related to changes in the previously approved product is required, avoiding unnecessary paperwork.

An extension of approval is required for minor changes to the approvals. If manufacturers make design changes to approved products, they must submit a new application. MSHA realized that this may duplicate past efforts by manufacturers and MSHA; therefore, MSHA created the Revised Approval Modification Program (RAMP)

Testing, Evaluation, and Approval of Mining Products, 30 CFR Subchapter B - Parts 6 through 36

OMB Control Number 1219-0066

OMB Expiration Date: 7/31/2024

Application Procedure. RAMP instructs approval-holders how to apply for MSHA acceptance of proposed changes to the design of their approved product.

For the approval of explosives and fuses, MSHA requires an applicant, once approved, to have a quality assurance or control plan. Under 30 CFR 15.8(b), the approval holder must report any knowledge of explosives distributed that do not meet the specifications of the approval. Under 30 CFR 28.10(d), 28.30, and 28.31, the applicant must submit a quality control plan for approval to ensure that each fuse is manufactured to have the short-circuit protection as required by the approval. A quality assurance or quality control plan for approved products provides substantial protection against the distribution of defective products which could harm miners' safety and health. The reporting of a defective product to MSHA would come from the approval-holder's internal audits, reports from users, or other sources, and further enhances the safety of miners because MSHA would work with the approval-holder to take corrective action.

For high-voltage longwall mining systems, 30 CFR 18.53(h) requires an applicant to submit an "available fault current" study to MSHA to justify circuit breaker settings to provide protection for the size and length of the longwall motor, shearer, and trailing cables used. Proper electrical protection is essential in preventing a fire, explosion, or shock hazard resulting from inadequate sizing of electrical cables.

For certain products which are dependent on proper use and maintenance, MSHA requires the manufacturers to provide additional information on the approval marking or instructions to be included with the product. Under 30 CFR 23.7(e), 23.12(a)(2), 28.23, and 35.10, MSHA requires this additional information for the proper use of telephone and signaling systems, fuses, and hydraulic fluids.

Under 30 CFR 6 and 7, independent labs, applicants, and third parties must perform product testing under certain circumstances. MSHA retains the responsibility for evaluating the test results and issuing the approval for all products tested under 30 CFR 6 and 7.

30 CFR 6:

30 CFR 6 permits authorized independent laboratories to perform in whole or in part, the necessary testing and/or evaluation for MSHA product approval. Thus, 30 CFR 6 increases the availability of mining products with enhanced safety features by reducing costs and broadening the market for mining equipment.

MSHA will accept testing and evaluation performed by an independent laboratory for purposes of MSHA product approval provided that MSHA receives as part of the application (30 CFR 6.10(a)(1) through (a)(4)) the following information:

Testing, Evaluation, and Approval of Mining Products, 30 CFR Subchapter B - Parts 6 through 36

OMB Control Number 1219-0066

OMB Expiration Date: 7/31/2024

- Written evidence of the laboratory's independence and current recognition by a laboratory accrediting organization;
- Complete technical explanation of how the product complies with each requirement in the applicable MSHA product approval requirements;
- Identification of components or features of the product that are critical to the safety of the product; and
- All documentation, including drawings and specifications, as submitted to the independent laboratory by the applicant.

This information is completed by the independent laboratory and supplied to the applicant, who sends it to MSHA as part of their application. The information requested above is needed because MSHA is no longer performing all the tests and evaluations associated with the approval application. It is important to know that the laboratory has the independence to ensure the objectivity and accuracy of any testing and evaluation performed. It is also crucial that the laboratory be recognized by a laboratory accrediting organization to ensure the laboratory has the competence, resources, and personnel capable of performing the necessary testing and evaluation. In addition, the information in the above paragraphs is needed to determine if the product complies with the applicable approval requirements.

Certain test and evaluation requirements in product safety standards used by independent laboratories are similar to MSHA's current approval requirements. Applicants routinely have such tests and evaluations performed by an independent laboratory when seeking a non-MSHA approval or listing. Some applicants, before requesting an MSHA product approval, either based on MSHA's approval requirements or non-MSHA product safety standards that are equivalent to MSHA's approval requirements, may already have had an independent laboratory perform some portion of the tests and evaluations that are also needed to obtain an MSHA product approval. It is with regard to these test and evaluation results that MSHA requires the data requested in 30 CFR 6.10, paragraphs (a)(1) through (a)(3). The costs of the tests and evaluations performed by an independent laboratory have already occurred before the applicant files an MSHA product approval application. Therefore, the only costs to applicants associated with 30 CFR 6.10(a)(1) through (a)(3) are those related to the applicant passing the required information received from the independent laboratory to MSHA.

If an independent laboratory conducts any additional or repeat testing, then the applicant is required to send the test results to MSHA. This is true even if MSHA observes the testing performed by the independent laboratory. However, if MSHA performs additional or repeat testing itself, then it is not necessary for the applicant to

Testing, Evaluation, and Approval of Mining Products, 30 CFR Subchapter B - Parts 6 through 36

OMB Control Number 1219-0066

OMB Expiration Date: 7/31/2024

send in the independent laboratory's test results to MSHA. Sending additional or repeat testing results to MSHA is covered under 30 CFR 6.10(d). Information concerning 30 CFR 6.10(a)(1) through (a)(3) that was sent to MSHA with the original approval application does not have to be sent again as a result of any additional or repeat testing.

No approvals are issued under 30 CFR 6. Instead, any approval issued based on 30 CFR 6 provisions continue to be approved under the applicable MSHA-product approval parts (30 CFR 7 through 36). The burden costs included under Part 6 are the additional costs not associated with applications under parts 7 through 36. Only in 6.10(a)(4) are burden costs associated with the other application packages.

30 CFR 7:

30 CFR 7 provides procedures for approved products to be tested by the applicant or a third party. Applicants are required to maintain records of test results and procedures used in testing for 3 years after completion of testing. Applicants must also maintain records of the distribution of each product bearing an approval marking.

MSHA retains the authority to conduct post-approval audits of approved products for the purpose of determining conformity with the technical requirements upon which the approval was based.

The general requirements for the 30 CFR 7 approval process are in Subpart A and the technical requirements for the design and performance of particular products are in subsequent subparts. 30 CFR 7.3 provides the general procedures and requirements an applicant is required to meet for MSHA approval of a product. The application procedures apply to the original application, an application for similar products, and an extension of approval. The technical documents required for different products is specified in 30 CFR 7.23, 7.43, 7.63, 7.83, 7.97, 7.303, 7.403, and 7.503.

Under 30 CFR 7.4, 7.27(a)(8), 7.28(a)(7), 7.46(a)(3), 7.47(a)(6), 7.48(a)(3), 7.407(a)(11) and (a)(12), and 7.408(a)(7) and (a)(8), records of test results and procedures must be retained for 3 years. Retaining these records for 3 years will assist MSHA in determining the possible cause of any problems which may be detected during post-approval product audits.

Under 30 CFR 7.6, applicants must maintain records on the distribution of each unit with an approval marking. This is necessary so that deficient products which may present a hazard to miners can be traced and withdrawn from use until the appropriate corrective action may be taken.

Under 30 CFR 7.7(d), applicants must report to MSHA any knowledge of a product distributed that is not in accord with the approval.

Testing, Evaluation, and Approval of Mining Products, 30 CFR Subchapter B - Parts 6 through 36

OMB Control Number 1219-0066

OMB Expiration Date: 7/31/2024

Under 30 CFR 7.51, 7.71, 7.108, and 7.311, the applicant must include an approval checklist with each product sold. These checklists are important because they include a description of what is necessary for users to maintain products in approved condition.

Under 30 CFR 7.69(c), (e), and (f), 7.90, 7.105, 7.306(d), 7.309, and 7.409, MSHA requires that additional information for the proper use and maintenance be provided. Certain products require more information for proper use and maintenance; therefore, MSHA requires the manufacturers to provide additional information on the approval marking or instructions to be included with the product.

Under 30 CFR 75.1732(a), mine operators must equip continuous mining machines with proximity detection systems and provide miners with miner-wearable components. Proximity detection systems must be approved by MSHA under 30 CFR part 18.

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.

Under 30 CFR 6 through 36, MSHA evaluates and, when applicable, tests all equipment or explosives for which manufacturers submit an application with the prescribed drawings and specifications for approval of equipment or explosives to be used in mines.

MSHA engineers and scientists use this information to evaluate the design, construction, manufacture, quality control, and other requirements to protect the safety and health of miners prior to approval for use in mines.

Machines equipped with proximity detection systems must be approved by MSHA as permissible equipment under 30 CFR 18 to help ensure the equipment does not present an ignition hazard to miners.

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 burden.

MSHA has conducted workshops with the National Mining Association (NMA) to support fillable form applications for testing and approval of permissible equipment. MSHA has also developed step-by-step guidance for completing applications for nonmembers as

Testing, Evaluation, and Approval of Mining Products, 30 CFR Subchapter B - Parts 6 through 36

OMB Control Number 1219-0066

OMB Expiration Date: 7/31/2024

well as members of the NMA. MSHA has developed and promoted a one-stop-shop at <https://www.msha.gov/support-resources/equipment-approval-certification>.

Mine operators and manufacturers are able to receive guidance, submit applications and other correspondence, comments, or information electronically. Approval applicants are able to upload engineering drawings (images) and files directly to the OCIO SFTP (Secure File Transfer Protocol) site server, via the IPSO@dol.gov email account, or by using OCIO-approved file sharing. Applicants have been electronically submitting applications to MSHA for over 20 years. Out of the 258 applications received at MSHA in Fiscal Year (FY) 2022, all but a couple were electronically submitted.

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 applications, consisting of design specifications and drawings and related correspondence, are usually unique for each piece of equipment or product, and any change in circuitry or component may result in an unsafe condition. Therefore, any similar information already available cannot be used to evaluate and approve another instrument, machine, electric face equipment, non-electric face equipment or product used in mine operations.

MSHA is the only entity in the U.S. authorized to approve equipment and certain products for use in mines. Therefore, it is unlikely that there would be duplication because of this unique function.

When MSHA permits third parties or manufacturers to test the equipment or products, MSHA retains the responsibility for evaluating the test results and issuing the approval for all products tested under 30 CFR 6 and 7.

5. If the collection of information impacts small businesses or other small entities, describe any methods used to minimize burden.

The information collection provisions apply to all mine operations, both large and small. Congress intended that the Secretary enforce the law at all mining operations within the Agency's jurisdiction regardless of size and that information collection and recordkeeping requirements be consistent with efficient and effective enforcement of the Mine Act. [S. Rep. No. 95-181, 28 (1977)]. Section 103(e) of the Mine Act directs the Secretary not to impose an unreasonable burden on small businesses when obtaining any information under the Mine Act. MSHA considered the burden on small mines when developing the collection. Hence, MSHA believes that these information collection requirements are imposed on all mining operations and do not have a greater impact on small businesses or other small entities.

Testing, Evaluation, and Approval of Mining Products, 30 CFR Subchapter B - Parts 6 through 36

OMB Control Number 1219-0066

OMB Expiration Date: 7/31/2024

In order to determine if the device or equipment meets the standards, MSHA needs the same information from all manufacturers. While this information collection does not have a significant impact on a substantial number of small entities, MSHA has taken several steps to reduce burden for all respondents. These include development of MSHA Form 2000-38 that guides applicants to obtain approval for field electrical modifications to permissible equipment, and allowing responses to be submitted by email, fax, SFTP, and OCIO-approved file sharing.

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.

It is important to emphasize that MSHA-approved products for use underground are designed to meet technical requirements so they do not cause a fire, explosion, or other safety hazard related to use.

If this information collection was not conducted, the consequences would be severe. The integrity of MSHA's product approvals would be adversely affected and unsafe products could be introduced into the mines. Once a product is approved, the approval-holder is authorized to place an MSHA approval marking on the product which identifies it as approved for use in a mine. Use of the marking obligates the manufacturer to maintain the quality of the product as approved. The MSHA marking indicates to the mining community that the product meets the technical requirements and has been manufactured according to the drawings and specifications approved. If MSHA were unable to obtain from approval-holders products for audit and information regarding product defects, it would hamper efforts to enforce manufacturers' obligations to maintain quality assurance of their products. Moreover, it would be difficult to effectively assure the mining community that products required to be approved for use are in fact safe for use. Without this information, MSHA would not be able to protect the safety and health of miners, the primary purpose of the Mine Act.

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;**
- **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 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.**

This collection of information is consistent with the guidelines in 5 CFR 1320.5. .

8. If applicable, provide a copy and identify the data 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 received in response to that notice and describe actions taken by the agency in response to these 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 3 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.

In accordance with 5 CFR 1320.8(d), MSHA will publish the proposed information collection requirements in the Federal Register, notifying the public that these

Testing, Evaluation, and Approval of Mining Products, 30 CFR Subchapter B - Parts 6 through 36

OMB Control Number 1219-0066

OMB Expiration Date: 7/31/2024

information collection requirements are being reviewed in accordance with the Paperwork Reduction Act of 1995, and providing 60 days for the public to submit comments. MSHA published a 60-day Federal Register notice on April 10, 2024 (89 FR 25281). MSHA received no comments.

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

MSHA does not provide payments or gifts to respondents.

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

MSHA considers information submitted as part of applications for product approval, especially information regarding a product's specifications and performance, as proprietary. There are fees collected for manufacturers' applications. This is Privacy Act of 1974, as amended, information and is protected as provided in the system of records notice (SORN), DOL/OCFO-2, New Core Financial Management System (NCFMS), 79 FR 8489 (2014). Manufacturers' applications, drawings, and specifications kept at MSHA are stored electronically or in a restricted records storage area accessible only to supervisors and employees responsible for handling these records. These methods safeguard proprietary information against violations of 18 U.S.C.1905, 5 U.S.C.552(b)(4), and the confidentiality provisions of 30 CFR parts 6 through 36. MSHA maintains a high level of security. Access to each building is restricted and controlled with electronic security gates. A guardhouse is located on the property and all visitors entering the buildings are required to wear badges that are easily visible on a person's outer clothing. These badges identify persons as visitors to these facilities, which facilitate control within secure areas. Employees are issued a security gate access card. Additionally, a Department of Labor identification card is required to be shown to security guards upon request.

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.

There are no questions of a sensitive nature.

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.**
- **Provide estimates of annualized cost to respondents for the hour burdens for collections of information, identifying and using appropriate wage rate categories. The cost of contracting out or paying outside parties for information collection activities should not be included here. Instead, this cost should be included in Item 13.**

The following calculations for the existing requirements are based on the actual number of applications received during Fiscal Year (FY) 2022¹ and the hours per response that represent the estimated time required by the manufacturer to prepare and submit applications, which may include drawings and specifications, for approval and certification of their products. In this information collection request, an estimate of one application per year is used in instances where MSHA did not receive any applications.

PRA Respondents

Based on information from FY 2022 MSHA estimates that there will be 83 respondents, mostly manufacturers that will be impacted by this information collection.

Wage Rates Determinations²

MSHA used data from the May 2022 Occupational Employment and Wage Statistics (OEWS) published by the Bureau of Labor Statistics (BLS) for hourly wage rates³ and adjusted the rates for benefits,⁴ wage inflation,⁵ and overhead costs.⁶ The occupations

¹ When MSHA received no applications for a specific subpart it is assumed that over the next three at least one such application will be received.

² For all wage rates, MSHA uses the relevant precision throughout the calculation to avoid compound rounding errors and rounds at the final rate value. Displayed intermediate calculation values are presented to explain the calculation and are representative but the final rate value reflects the correct rounding and final estimate.

³ Options for obtaining OEWS data are available at item "E3. How to get OEWS data. What are the different ways to obtain OEWS estimates from this website?" at https://www.bls.gov/oes/oes_ques.htm.

Testing, Evaluation, and Approval of Mining Products, 30 CFR Subchapter B - Parts 6 through 36

OMB Control Number 1219-0066

OMB Expiration Date: 7/31/2024

listed below in Table 12-1 are those that were determined to be relevant for the cost calculations.

Table 12-1. Hourly Wage Rate

Occupation	NAICS Code	A Mean Wage Rate	B Benefit Multiplier	C Inflation Multiplier	D Overhead Cost Multiplier	A x B x C x D Loaded Hourly Wage Rate
Clerical Worker [a]	213100	\$21.27	1.475	1.056	1.17	\$38.76
Engineer [b]	213100	\$45.75	1.475	1.056	1.17	\$83.37
Mine Operator [c]	212100	\$78.64	1.475	1.056	1.17	\$143.31

Notes: MSHA used the latest 4-quarter moving average 2022Q4-2023Q3 to determine that 32.2 percent of total loaded wages are benefits for private industry workers in construction, extraction, farming, fishing, and forestry occupations. The benefit multiplier is $1.475 = 1 + (0.322 / (1 - 0.322))$. The inflation multiplier was determined by using the employment price index from the most current quarter data is available, 2023Q3, divided by the base year and quarter of the OEWS employment and wage statistics, 2022Q2, for private industry workers in construction, extraction, farming, fishing, and forestry occupations, current dollar index. The inflation multiplier is $1.056 = 159.0 / 150.5$. MSHA used the overhead multiplier of 1.17.

[a] The Standard Occupation Code (SOC) used for this occupation is (43-9061).

[b] The SOC's used for this occupation are (17-2041, 17-2051, 17-2071, 17-2071, 17-2071, 17-2072, 17-2111, 17-2112, 17-2131, 17-2141, 17-2151, 17-3023, and 17-3027).

[c] The SOC used for this occupation is (11-1021).

30 CFR 6: Testing and Evaluation by Independent Laboratories and Non-MSHA Product Safety Standards

30 CFR 6.10(a)(1), applicants are required to provide “written evidence of the laboratory’s independence and current recognition by a laboratory accrediting organization.”

Paragraph (a)(2) requires “a complete technical explanation of how the product complies with each requirement in the applicable MSHA product approval requirements.” Paragraph (a)(3) requires “identification of components or features of the product that are critical to the safety of the product.” The information in paragraphs

⁴ The benefit multiplier comes from BLS Employer Costs for Employee Compensation accessed by menu at <http://data.bls.gov/cgi-bin/srgate> or directly with <http://download.bls.gov/pub/time.series/cm/cm.data.0.Current>. Insert the data series CMU2030000405000D and CMU2030000405000P, Private Industry Total benefits for Construction, extraction, farming, fishing, and forestry occupations, which is divided by 100 to convert to a decimal value. MSHA used the latest 4-quarter moving average to determine what percent of total loaded wages are benefits. MSHA computes the benefit multiplier with a number of detailed calculations, but it may be approximated with the formula $1 + (\text{benefit percentage} / (1 - \text{benefit percentage}))$.

⁵ Wage inflation is the change in Series ID: CIS2020000405000I; Seasonally adjusted; Series Title: Wages and salaries for Private industry workers in Construction, extraction, farming, fishing, and forestry occupations, Index at <https://data.bls.gov/cgi-bin/srgate>. Inflation multiplier = (current quarter cost index value / OEWS wage base quarter index value).

⁶ MSHA used an overhead rate of 17 percent. This overhead rate is based on a 2002 EPA report by Cody Rice, "Wage Rates for Economic Analysis of the Toxics Release Inventory Program", available at <https://www.regulations.gov/document/EPA-HQ-OPPT-2016-0387-0064>.

Testing, Evaluation, and Approval of Mining Products, 30 CFR Subchapter B - Parts 6 through 36

OMB Control Number 1219-0066

OMB Expiration Date: 7/31/2024

(a)(1) through (a)(3) will be completed by the independent laboratory and supplied to the applicant, who will then send it to MSHA.

Certain test and evaluation requirements required under non-MSHA product safety standards used by independent laboratories are similar to MSHA’s current approval requirements. Applicants routinely have such tests and evaluations performed by an independent laboratory when seeking a non-MSHA approval or listing. Generally, before requesting an MSHA product approval either based on MSHA’s approval requirements or non-MSHA product safety standards that are equivalent to MSHA’s approval requirements, applicants will already have had an independent laboratory perform some portion of the tests and evaluations that are also needed to obtain an MSHA product approval. It is with regard to these test and evaluation results that MSHA will require the data requested in paragraphs (a)(1) through (a)(3). The costs of the tests and evaluations performed by an independent laboratory have already occurred before the applicant files an MSHA product approval application. Therefore, the only costs to applicants associated with 30 CFR 6.10(a)(1) through (a)(3) are those related to the applicant passing the required information received from the independent laboratory to MSHA.

In FY 2022, MSHA received 2 new applications for approval under 30 CFR 6.

MSHA estimates that a clerical worker, earning \$38.76 per hour, will take 15 minutes per application to prepare and send the data requested in paragraphs (a)(1) through (a)(3).

If an independent laboratory conducts any additional or repeat testing, then the applicant will have to send the test results to MSHA. This is true even if MSHA observes the testing performed by the independent laboratory. However, if MSHA performs additional or repeat testing itself, then it is not necessary for the applicant to send in the test results to MSHA. Sending additional or repeat testing results to MSHA is covered under 30 CFR 6.10(d). Information concerning 30 CFR 6.10(a)(1) through (a)(3) that was sent to MSHA with the original approval application will not have to be sent again as a result of any additional or repeat testing.

Table 12-2. Estimated Annual Respondent Hour and Cost Burden, Testing and Evaluation by Independent Laboratories and Non-MSHA Product Safety Standards

Activity (Occupation)	No. of Respondents	No. of Responses per Respondent	Total Responses	Average Burden (Hours)	Total Burden (Hours)	Hourly Wage Rate	Total Burden Cost
Prepare and Send Application	83	0.02	2	0.25	0.5	\$38.76	\$19.38

Testing, Evaluation, and Approval of Mining Products, 30 CFR Subchapter B - Parts 6 through 36

OMB Control Number 1219-0066

OMB Expiration Date: 7/31/2024

(Clerical Worker)							
-------------------	--	--	--	--	--	--	--

30 CFR 7 Testing by Applicant or Third Party

30 CFR 7 (Subpart A): General

The general requirements for the 30 CFR 7 approval process are in Subpart A, and the technical requirements for the design and performance of particular products are in subsequent subparts. 30 CFR 7.3 provides the general procedures and requirements an applicant is required to meet for MSHA approval of a product. Because the technical requirements are in the specific subparts for approval of each product, MSHA has provided the burden hours and costs under those subparts for application of the products.

Also, under this subpart, applicants are required to maintain records of testing procedures and results for 3 years for the products they submit to MSHA for approval. MSHA believes that the only burden on the applicant in keeping the records is the use of storage space. MSHA views this burden as minimal, and therefore, no cost burden has been assigned. In addition, applicants must maintain records of the initial sale of each unit having an approval marking. The record retention period must be at least the expected shelf life and service life of the product. Manufacturers already keep records of sales, and MSHA believes that manufacturers will use existing record systems to fulfill this requirement. Therefore, no cost burden has been assigned.

30 CFR Subpart A, MSHA is authorized to conduct periodic post-approval audits of approved products. No more than once a year except for cause, the approval holder, at MSHA's request, must make an approved product available at no cost to MSHA for an audit to be conducted at a mutually agreeable site and time. The burden costs to approval holders for providing products for audit are detailed under the appropriate subparts in Question 13.

30 CFR 7 (Subpart B): Brattice Cloth and Ventilation Tubing

In FY 2022, MSHA received 4 applications for approval and 1 application for extension of approval for brattice cloth and ventilation tubing under Subpart B. According to manufacturers' estimates, it requires 5 hours for an engineer to complete the application package and 5 hours to complete an application for an extension package at \$83.37 per hour.

Table 12-3. Estimated Annual Respondent Hour and Cost Burden, Brattice Cloth and Ventilation Tubing

Activity (Occupation)	No. of Respondents	No. of Responses per Respondent	Total Responses	Average Burden (Hours)	Total Burden (Hours)	Hourly Wage Rate	Total Burden Cost
Application Package (engineer)	83	0.05	4	5	20	\$83.37	\$1,667.36
Application Extension (Engineer)	83	0.01	1	5	5	\$83.37	\$416.84
Subtotal (Rounded)	83		5		25		\$2,084

30 CFR 7 (Subpart C): Battery Assemblies

In FY 2022, MSHA received no applications for approval, no applications for an extension of approval, and 1 Revised Approval Modification Programs (RAMP) application for battery assemblies under Subpart C. According to manufacturers' estimates, it requires an engineer 4 hours to complete an application for approval, 4 hours to complete an application for an extension, and 2 hours to complete a RAMP application. An extension of an approval is any change in the approved product from the documentation on file at MSHA that affects the technical requirements under Subpart C. These technical requirements are such that any change in design most often requires a complete re-evaluation.

Manufacturers of battery assemblies are required to include an approval checklist with each assembly sold. MSHA estimates that it will take an engineer 2 hours to develop the checklist, for each application for approval.

Table 12-4. Estimated Annual Respondent Hour and Cost Burden, Battery Assemblies

Activity (Occupation)	No. of Respondents	No. of Responses per Respondent	Total Responses	Average Burden (Hours)	Total Burden (Hours)	Hourly Wage Rate	Total Burden Cost
Application for Approval (Engineer)	83	0.01	1	4	4	\$83.37	\$333.47
Extension of Approval (Engineer)	83	0.01	1	4	4	\$83.37	\$333.47
RAMP Application (Engineer)	83	0.01	1	2	2	\$83.37	\$166.74

Testing, Evaluation, and Approval of Mining Products, 30 CFR Subchapter B - Parts 6 through 36

OMB Control Number 1219-0066

OMB Expiration Date: 7/31/2024

Approval Checklist (Engineer)	83	0.01	1	2	2	\$83.37	\$166.74
Subtotal (Rounded)	83		4		12		\$1,000

30 CFR 7 (Subpart D): Multiple-Shot Blasting Units

MSHA has received no applications for approval since 1988 and does not anticipate receiving any through the current fiscal year. However, if MSHA were to receive an application, it estimates that it would take an applicant engineer 4 hours to prepare a new application package for approval and 2 hours to prepare an application for an extension.

Manufacturers of blasting units are required to include an approval checklist with each unit sold. MSHA estimates that it will take an engineer 2 hours to develop the checklist for each application for approval.

Table 12-5. Estimated Annual Respondent Hour and Cost Burden, Multiple-Shot Blasting Units

Activity (Occupation)	No. of Respondents	No. of Responses per Respondent	Total Responses	Average Burden (Hours)	Total Burden (Hours)	Hourly Wage Rate	Total Burden Cost
Application for Approval (Engineer)	83	0.01	1	4	4	\$83.37	\$333.47
Extension of Approval (Engineer)	83	0.01	1	2	2	\$83.37	\$166.74
Approval Checklist (Engineer)	83	0.01	1	2	2	\$83.37	\$166.74
Subtotal (Rounded)	83		3		8		\$667

30 CFR 7 (Subpart E): Diesel Engines Intended for Use in Underground Coal Mines (Permissible Engines)

In FY 2022, MSHA received 1 application for approval, no applications for extensions of approval, and no RAMP applications for approval of new permissible engine models under Subpart E. The maximum fuel/air ratio tests are performed under 30 CFR 7.87 - Test to determine the maximum fuel-air ratio and the gaseous ventilation tests are performed under 30 CFR 7.88 - Test to determine the gaseous ventilation rate. If it were

Testing, Evaluation, and Approval of Mining Products, 30 CFR Subchapter B - Parts 6 through 36

OMB Control Number 1219-0066

OMB Expiration Date: 7/31/2024

to receive an application for approval, an application for extension of approval, or a RAMP MSHA estimates that it takes 43 hours to complete these, including preparation of an approval checklist, for manufacturers to prepare the application related to the maximum fuel/air ratio test and the gaseous ventilation rate test for a new permissible engine model.

New permissible engine models approved under 30 CFR 7, Subpart E, will need an additional test to determine the particulate index of the engine model. MSHA estimates that an additional 30 minutes is needed to record particulate test information on the application.

Table 12-6. Estimated Annual Respondent Hour and Cost Burden, Diesel Engines Intended for Use in Underground Coal Mines (Permissible Engines)

Activity (Occupation)	No. of Respondents	No. of Responses per Respondent	Total Responses	Average Burden (Hours)	Total Burden (Hours)	Hourly Wage Rate	Total Burden Cost
Application for Approval (Engineer)	83	0.01	1	43.0	43.0	\$83.37	\$3,584.82
Extension of Approval (Engineer)	83	0.01	1	43.0	43.0	\$83.37	\$3,584.82
RAMP Application (Engineer)	83	0.01	1	43.0	43.0	\$83.37	\$3,584.82
Particulate Index Test (Engineer)	83	0.01	1	0.5	0.5	\$83.37	\$41.68
Subtotal (Rounded)	83		4		130		\$10,796

(Non-Permissible Engines)

In FY 2022, MSHA received 12 applications for approval, no applications for an extension of approval, and 2 RAMP applications for approval of new non-permissible engine models under Subpart E. An application for approval will incur burden hours related to tests for a maximum fuel/air ratio required by 30 CFR 7.87 - Test to determine the maximum fuel-air ratio, a gaseous ventilation rate required by 30 CFR 7.88 - Test to determine the gaseous ventilation rate., and a particulate index required by 30 CFR 7.89 - Test to determine the particulate index. MSHA estimates that it takes an engineer 34.5 hours, including preparation of an approval checklist for a manufacturer to prepare any of these applications related to all three tests for a new non-permissible engine model.

Table 12-7. Estimated Annual Respondent Hour and Cost Burden, Diesel Engines Intended for Use in Underground Coal Mines (Non-Permissible Engines)

Activity (Occupation)	No. of Respondents	No. of Responses per Respondent	Total Responses	Average Burden (Hours)	Total Burden (Hours)	Hourly Wage Rate	Total Burden Cost
Application for Approval (Engineer)	83	0.14	12	34.5	414.0	\$83.37	\$34,514.30
Extension of Approval (Engineer)	83	0.01	1	34.5	34.5	\$83.37	\$2,876.19
RAMP Application (Engineer)	83	0.02	2	34.5	69.0	\$83.37	\$5,752.38
Subtotal (Rounded)	83		15		518		\$43,143

30 CFR 7 (Subpart F): Diesel Power Packages Intended for Use in Areas of Underground Coal Mines Where Permissible Electric Equipment is Required

In FY 2022, MSHA received no applications for approval, no applications for extensions of approval, and 1 RAMP application for approval of a power package for a permissible engine model under Subpart F. Tests are required by 30 CFR 7.100 - Explosion tests; CFR 7.101 - Surface temperature tests; 30 CFR 7.102 - Exhaust gas cooling efficiency test; 30 CFR 7.103 - Safety system control test; and 30 CFR 7.104 - Internal static pressure test. MSHA estimates that if it were to receive any of these applications it would take an engineer 43 hours including preparation of an approval checklist for manufacturers to prepare any applications for approval of a power package for a permissible engine model.

Table 12-8. Estimated Annual Respondent Hour and Cost Burden, Diesel Power Packages Intended for Use in Areas of Underground Coal Mines Where Permissible Electric Equipment is Required

Activity (Occupation)	No. of Respondents	No. of Responses per Respondent	Total Responses	Average Burden (Hours)	Total Burden (Hours)	Hourly Wage Rate	Total Burden Cost
Application for Approval (Engineer)	83	0.01	1	43	43	\$83.37	\$3,584.82
Extension of Approval (Engineer)	83	0.01	1	43	43	\$83.37	\$3,584.82
RAMP Application	83	0.01	1	43	43	\$83.37	\$3,584.82

Testing, Evaluation, and Approval of Mining Products, 30 CFR Subchapter B - Parts 6 through 36

OMB Control Number 1219-0066

OMB Expiration Date: 7/31/2024

(Engineer)							
Subtotal (Rounded)	83		3		129		\$10,754

30 CFR 7 (Subpart J): Electric Motor Assemblies

In FY 2022, MSHA received no applications for approval, no applications for extensions of approval, and 1 RAMP application for approval of motor assemblies under Subpart J. According to manufacturers' estimates, it requires an engineer 8 hours for the preparation of a new application package, 6 hours to prepare an application for extension, and 2 hours to prepare a RAMP application.

Manufacturers of electric motor assemblies are required to include an approval checklist with each assembly sold. MSHA estimates that it will take an engineer 2 hours to develop the checklist to go along with each application for approval.

Table 12-9. Estimated Annual Respondent Hour and Cost Burden, Electric Motor Assemblies

Activity (Occupation)	No. of Respondents	No. of Responses per Respondent	Total Responses	Average Burden (Hours)	Total Burden (Hours)	Hourly Wage Rate	Total Burden Cost
Application for Approval (Engineer)	83	0.01	1	8	8	\$83.37	\$666.94
Extension of Approval (Engineer)	83	0.01	1	6	6	\$83.37	\$500.21
RAMP Application (Engineer)	83	0.01	1	2	2	\$83.37	\$166.74
Approval Checklist (Engineer)	83	0.01	1	2	2	\$83.37	\$166.74
Subtotal (Rounded)	83		4		16		\$1,334

30 CFR 7 (Subpart K): Electric Cables, Signaling Cables, and Cable Splice Kits

In FY 2022, MSHA received 10 applications for approval and 12 applications for extensions of approval of electric, signaling, fiber optic, and coaxial cables under Subpart K. MSHA estimates that an engineer at the cable manufacturer would spend 6 hours preparing an initial application and 4 hours to prepare an application for extension.

Testing, Evaluation, and Approval of Mining Products, 30 CFR Subchapter B - Parts 6 through 36

OMB Control Number 1219-0066

OMB Expiration Date: 7/31/2024

In FY 2022, MSHA received no applications for approval and 1 application for extensions of approval for cable splice kits under Subpart K. MSHA estimates that an engineer at the cable manufacturer would spend 6 hours preparing an initial application and 4 hours to prepare an application for extension.

Table 12-10. Estimated Annual Respondent Hour and Cost Burden, Electric Cables, Signaling Cables, and Cable Splice Kits

Activity (Occupation)	No. of Respondents	No. of Responses per Respondent	Total Responses	Average Burden (Hours)	Total Burden (Hours)	Hourly Wage Rate	Total Burden Cost
Application for Approval Cables (Engineer)	83	0.12	10	6	60	\$83.37	\$5,002.07
Extension of Approval Cables (Engineer)	83	0.14	12	4	48	\$83.37	\$4,001.66
Application for Approval Splice Kits (Engineer)	83	0.01	1	6	6	\$83.37	\$500.21
Extension of Approval Splice Kits (Engineer)	83	0.01	1	4	4	\$83.37	\$333.47
Subtotal (Rounded)	83		24		114		\$9,504

30 CFR 7 (Subpart L): Refuge Alternatives

In FY 2022, MSHA received no applications for approval and no applications for extensions of approval. MSHA estimates that an engineer at a refuge alternative manufacturer would spend 400 hours preparing an initial application and 100 hours to prepare an application for extension.

Table 12-11. Estimated Annual Respondent Hour and Cost Burden, Refuge Alternatives

Activity (Occupation)	No. of Respondents	No. of Responses per Respondent	Total Responses	Average Burden (Hours)	Total Burden (Hours)	Hourly Wage Rate	Total Burden Cost
Application for Approval (Engineer)	83	0.01	1	400	400	\$83.37	\$33,347.15
Extension of Approval (Engineer)	83	0.01	1	100	100	\$83.37	\$8,336.79

Testing, Evaluation, and Approval of Mining Products, 30 CFR Subchapter B - Parts 6 through 36

OMB Control Number 1219-0066

OMB Expiration Date: 7/31/2024

Subtotal (Rounded)	83		2		500		\$41,684
---------------------------	-----------	--	----------	--	------------	--	-----------------

30 CFR 14: Requirements for the Approval of Flame-Resistant Conveyor Belts

In FY 2022, MSHA received 11 applications for approval and no applications for extension of approval of flame-resistant conveyor belts. According to manufacturers' estimates, it requires an engineer 5 hours to complete an application and 2 hours to complete an application for extension.

Table 12-12. Estimated Annual Respondent Hour and Cost Burden, Flame-Resistant Conveyor Belts

Activity (Occupation)	No. of Respondents	No. of Responses per Respondent	Total Responses	Average Burden (Hours)	Total Burden (Hours)	Hourly Wage Rate	Total Burden Cost
Application for Approval (Engineer)	83	0.13	11	5	55	\$83.37	\$4,585.23
Extension of Approval (Engineer)	83	0.01	1	2	2	\$83.37	\$166.74
Subtotal (Rounded)	83		12		57		\$4,752

30 CFR 15: Requirements for Approval of Explosives and Sheathed Explosive Units

In FY 2022, MSHA received no applications for approval and no applications for extensions of approval for explosives and sheathed explosive units. According to manufacturers' estimates, it requires an engineer 5 hours to complete the application package. A 30 CFR 15 approval is a document issued for explosives meeting requirements as permissible for use in underground coal and other gassy mines as confirmed by test and evaluation. A 30 CFR 15 approval extension is a document issued when a previously approved explosive is modified by the manufacturer and as modified, continues to meet requirements.

Table 12-13. Estimated Annual Respondent Hour and Cost Burden, Explosives and Sheathed Explosive Units

Activity (Occupation)	No. of Respondents	No. of Responses per Respondent	Total Responses	Average Burden (Hours)	Total Burden (Hours)	Hourly Wage Rate	Total Burden Cost
Application for	83	0.01	1	5	5	\$83.37	\$416.84

Testing, Evaluation, and Approval of Mining Products, 30 CFR Subchapter B - Parts 6 through 36

OMB Control Number 1219-0066

OMB Expiration Date: 7/31/2024

Approval (Engineer)							
Extension of Approval (Engineer)	83	0.01	1	5	5	\$83.37	\$416.84
Subtotal (Rounded)	83		2		10		\$834

30 CFR18: Electric Motor-Driven Mine Equipment and Accessories

30 CFR 18 establishes requirements to obtain MSHA approval of electrically operated machines and accessories intended for use in gassy mines or tunnels. MSHA's estimate of the number of 30 CFR 18 applications for approval, acceptance, field modification, certification, permits, simplified certification, and RAMP applications, and applications for extensions of approval, acceptance, certification, and simplified certification, along with the time per submittal are as follows:

Burden Hours

- 16 applications for approval x 14 hours
- 3 applications for acceptance x 14 hours
- 1 application for extension of approval x 5 hours
- 1 application for extension of acceptance x 5 hours
- 1 field modification application x 5 hours
- 10 applications for certification x 14 hours
- 1 application for extension of certification x 5 hours
- 1 permit application x 5 hours
- 23 applications for simplified certification x 7 hours
- 1 application for extension of simplified certification x 3 hours
- 62 RAMP applications x 1 hour

30 CFR 18.53(h) requires that a study (to determine the minimum available fault current to ensure adequate protection for the length and conductor size of the longwall motor, shearer and trailing cables) be submitted to MSHA. This study is routinely included with the approval application and is included in the above approval applications burden hours.

Table 12-14. Estimated Annual Respondent Hour and Cost Burden, Electric Motor-Driven Mine Equipment and Accessories

Activity (Occupation)	No. of Respondents	No. of Responses per Respondent	Total Responses	Average Burden (Hours)	Total Burden (Hours)	Hourly Wage Rate	Total Burden Cost
Application for Approval	83	0.19	16	14	224	\$83.37	\$18,674.40

Testing, Evaluation, and Approval of Mining Products, 30 CFR Subchapter B - Parts 6 through 36

OMB Control Number 1219-0066

OMB Expiration Date: 7/31/2024

(Engineer)								
Application for Acceptance (Engineer)	83	0.04	3	14	42	\$83.37	\$3,501.45	
Extension of Approval (Engineer)	83	0.01	1	5	5	\$83.37	\$416.84	
Extension of Acceptance (Engineer)	83	0.01	1	5	5	\$83.37	\$416.84	
Application Field Modification (Engineer)	83	0.01	1	5	5	\$83.37	\$416.84	
Application for Certification (Engineer)	83	0.12	10	14	140	\$83.37	\$11,671.50	
Extension of Certification (Engineer)	83	0.01	1	5	5	\$83.37	\$416.84	
Permit Application (Engineer)	83	0.01	1	5	5	\$83.37	\$416.84	
Application Simplified Certification (Engineer)	83	0.28	23	7	161	\$83.37	\$13,422.23	
Extension of Simplified Certification (Engineer)	83	0.01	1	3	3	\$83.37	\$250.10	
Ramp Application (Engineer)	83	0.75	62	1	62	\$83.37	\$5,168.81	
Subtotal (Rounded)	83		120		657		\$54,773	

30 CFR 19: Electric Cap Lamps

30 CFR 19 establishes requirements to obtain MSHA approval of electric cap lamps and accessories intended for use in mines. In FY 2022, MSHA received 2 applications for approval, no applications for extension of approval, and 2 RAMP applications for electric cap lamps. MSHA estimates that it requires an engineer 14 hours to prepare an application for approval, 5 hours for an extension of approval, and 1 hour for a RAMP application.

Table 12-15. Estimated Annual Respondent Hour and Cost Burden, Electric Cap Lamps

Testing, Evaluation, and Approval of Mining Products, 30 CFR Subchapter B - Parts 6 through 36

OMB Control Number 1219-0066

OMB Expiration Date: 7/31/2024

Activity (Occupation)	No. of Respondents	No. of Responses per Respondent	Total Responses	Average Burden (Hours)	Total Burden (Hours)	Hourly Wage Rate	Total Burden Cost
Application for Approval (Engineer)	83	0.02	2	14	28	\$83.37	\$2,334.30
Extension of Approval (Engineer)	83	0.01	1	5	5	\$83.37	\$416.84
RAMP Application (Engineer)	83	0.02	2	1	2	\$83.37	\$166.74
Subtotal (Rounded)	83		5		35		\$2,918

30 CFR 20: Electric Mine Lamps Other Than Standard Cap Lamps

30 CFR 20 establishes requirements to obtain MSHA approval of any electric mine lamps, other than standard cap lamps, intended for use in mines. In FY 2022, MSHA received no applications for approval, no applications for extension of approval, and 2 RAMP applications for electric mine lamps other than standard cap lamps. MSHA estimates that it requires an engineer 14 hours to prepare an application for approval, 5 hours for an extension of approval, and 1 hour for a RAMP application.

Table 12-16. Estimated Annual Respondent Hour and Cost Burden, Electric Mine Lamps Other Than Standard Cap Lamps

Activity (Occupation)	No. of Respondents	No. of Responses per Respondent	Total Responses	Average Burden (Hours)	Total Burden (Hours)	Hourly Wage Rate	Total Burden Cost
Application for Approval (Engineer)	83	0.01	1	14	14	\$83.37	\$1,167.15
Extension of Approval (Engineer)	83	0.01	1	5	5	\$83.37	\$416.84
RAMP Application (Engineer)	83	0.02	2	1	2	\$83.37	\$166.74
Subtotal (Rounded)	83		4		21		\$1,751

30 CFR 22: Portable Methane Detectors

Testing, Evaluation, and Approval of Mining Products, 30 CFR Subchapter B - Parts 6 through 36

OMB Control Number 1219-0066

OMB Expiration Date: 7/31/2024

30 CFR 22 establishes requirements to obtain MSHA approval of any portable methane detectors intended for use in mines. In FY 2022, MSHA received no applications for approval, no applications for extension of approval, and 1 RAMP application for portable methane detectors. MSHA estimates that it requires an engineer 14 hours to prepare an application for approval, 5 hours for an extension of approval, and 1 hour for a RAMP application.

Table 12-17. Estimated Annual Respondent Hour and Cost Burden, Portable Methane Detectors

Activity (Occupation)	No. of Respondents	No. of Responses per Respondent	Total Responses	Average Burden (Hours)	Total Burden (Hours)	Hourly Wage Rate	Total Burden Cost
Application for Approval (Engineer)	83	0.01	1	14	14	\$83.37	\$1,167.15
Extension of Approval (Engineer)	83	0.01	1	5	5	\$83.37	\$416.84
RAMP Application (Engineer)	83	0.01	1	1	1	\$83.37	\$83.37
Subtotal (Rounded)	83		3		20		\$1,667

30 CFR 23: Telephones and Signaling Devices

30 CFR 23 establishes requirements to obtain MSHA approval of telephones and signaling devices intended for use in mines. In FY 2022, MSHA received no applications for approval, no applications for extension of approval, and 9 RAMP applications for telephones and signaling devices. MSHA estimates that it requires an engineer 14 hours to prepare an application for approval, 5 hours for an extension of approval, and 1 hour for a RAMP application.

Table 12-18. Estimated Annual Respondent Hour and Cost Burden, Telephones and Signaling Devices

Activity (Occupation)	No. of Respondents	No. of Responses per Respondent	Total Responses	Average Burden (Hours)	Total Burden (Hours)	Hourly Wage Rate	Total Burden Cost
Application for Approval (Engineer)	83	0.01	1	14	14	\$83.37	\$1,167.15
Extension of Approval (Engineer)	83	0.01	1	5	5	\$83.37	\$416.84

Testing, Evaluation, and Approval of Mining Products, 30 CFR Subchapter B - Parts 6 through 36

OMB Control Number 1219-0066

OMB Expiration Date: 7/31/2024

RAMP Application (Engineer)	83	0.11	9	1	9	\$83.37	\$750.31
Subtotal (Rounded)	83		11		28		\$2,334

30 CFR 27: Methane-Monitoring Systems

30 CFR 27 establishes requirements to obtain MSHA approval of methane monitoring systems or components for their incorporation or with permissible equipment intended for use in mines. In FY 2022, MSHA received no applications for approval, no applications for extension of approval, and 1 RAMP application for methane monitoring systems. MSHA estimates that it requires an engineer 14 hours to prepare an application for approval, 5 hours for an extension of approval, and 1 hour for a RAMP application.

Table 12-19. Estimated Annual Respondent Hour and Cost Burden, Methane-Monitoring Systems

Activity (Occupation)	No. of Respondents	No. of Responses per Respondent	Total Responses	Average Burden (Hours)	Total Burden (Hours)	Hourly Wage Rate	Total Burden Cost
Application for Approval (Engineer)	83	0.01	1	14	14	\$83.37	\$1,167.15
Extension of Approval (Engineer)	83	0.01	1	5	5	\$83.37	\$416.84
RAMP Application (Engineer)	83	0.01	1	1	1	\$83.37	\$83.37
Subtotal (Rounded)	83		3		20		\$1,667

30 CFR 28: Fuses for Use with Direct Current

30 CFR 28 establishes requirements to obtain MSHA approval of fuses for use with direct current in providing short-circuit protection for trailing cables in coal mines. In FY 2022, MSHA received no applications for approval, no applications for extension of approval, and no RAMP applications for fuses for use with direct current. MSHA estimates that it requires 14 hours to prepare an application for approval, 5 hours for an extension of approval, and 1 hour for a RAMP application.

Table 12-20. Estimated Annual Respondent Hour and Cost Burden, Fuses for Use with Direct Current

Activity (Occupation)	No. of Respondents	No. of Responses per Respondent	Total Responses	Average Burden (Hours)	Total Burden (Hours)	Hourly Wage Rate	Total Burden Cost
Application for Approval (Engineer)	83	0.01	1	14	14	\$83.37	\$1,167.15
Extension of Approval (Engineer)	83	0.01	1	5	5	\$83.37	\$416.84
RAMP Application (Engineer)	83	0.01	1	1	1	\$83.37	\$83.37
Subtotal (Rounded)	83		3		20		\$1,667

30 CFR 33: Dust Collectors for Use in Connection with Rock Drilling in Coal Mines

30 CFR 33 establishes requirements to obtain MSHA approval of dust collectors used in connection with rock drilling in coal mines. In FY 2022, MSHA received no applications for approval, no applications for extension of approval, no applications for certification, no applications for extension of certification, and no RAMP applications for dust collectors for use in connection with rock drilling in coal. MSHA estimates that it requires 14 hours to prepare an application for approval, 5 hours for an extension of approval, 14 hours for a certification, 5 hours for an extension of a certification, and 1 hour for a RAMP application.

Table 12-21. Estimated Annual Respondent Hour and Cost Burden, Dust Collectors for Use in Connection with Rock Drilling in Coal Mines

Activity (Occupation)	No. of Respondents	No. of Responses per Respondent	Total Responses	Average Burden (Hours)	Total Burden (Hours)	Hourly Wage Rate	Total Burden Cost
Application for Approval (Engineer)	83	0.01	1	14	14	\$83.37	\$1,167.15
Extension of Approval (Engineer)	83	0.01	1	5	5	\$83.37	\$416.84
Application for Certification (Engineer)	83	0.01	1	14	14	\$83.37	\$1,167.15
Extension of Certification	83	0.01	1	5	5	\$83.37	\$416.84

Testing, Evaluation, and Approval of Mining Products, 30 CFR Subchapter B - Parts 6 through 36

OMB Control Number 1219-0066

OMB Expiration Date: 7/31/2024

(Engineer)							
RAMP Application (Engineer)	83	0.01	1	1	1	\$83.37	\$83.37
Subtotal (Rounded)	83		5		39		\$3,251

30 CFR 35: Fire-Resistant Hydraulic Fluids

30 CFR 35 establishes requirements to obtain MSHA approval for fire resistant hydraulic fluids and concentrates for use in machines and devices that are operated in coal mines. In FY 2022, MSHA received 3 applications for approval, no applications for extension of approval, and 1 RAMP application for fire-resistant hydraulic fluids. MSHA estimates that it requires an engineer 24 hours to prepare an application for approval, 24 hours for an extension of approval, and 6 hours for a RAMP application.

Table 12-22. Estimated Annual Respondent Hour and Cost Burden, Fire-Resistant Hydraulic Fluids

Activity (Occupation)	No. of Respondents	No. of Responses per Respondent	Total Responses	Average Burden (Hours)	Total Burden (Hours)	Hourly Wage Rate	Total Burden Cost
Application for Approval (Engineer)	83	0.04	3	24	72	\$83.37	\$6,002.49
Extension of Approval (Engineer)	83	0.01	1	24	24	\$83.37	\$2,000.83
RAMP Application (Engineer)	83	0.01	1	6	6	\$83.37	\$500.21
Subtotal (Rounded)	83		5		102		\$8,504

30 CFR 36: Approval Requirements for Permissible Mobile Diesel-Powered Transportation Equipment

30 CFR 36 establishes requirements to obtain MSHA approval for permissible mobile diesel-powered transportation equipment intended for use in mines. In FY 2022, MSHA received 4 applications for approval, no applications for extension of approval, no applications for certification of safety components, no applications for extension of certification of safety components, and no RAMP applications for permissible mobile diesel-powered transportation equipment. MSHA estimates that it requires an engineer 14 hours to prepare an application for approval, 5 hours for an extension of approval, 5

Testing, Evaluation, and Approval of Mining Products, 30 CFR Subchapter B - Parts 6 through 36

OMB Control Number 1219-0066

OMB Expiration Date: 7/31/2024

hours for a certification of safety components, 5 hours for an extension of a certification of safety components, and 1 hour for a RAMP application.

Table 12-23. Estimated Annual Respondent Hour and Cost Burden, Approval Requirements for Permissible Mobile Diesel-Powered Transportation Equipment

Activity (Occupation)	No. of Respondents	No. of Responses per Respondent	Total Responses	Average Burden (Hours)	Total Burden (Hours)	Hourly Wage Rate	Total Burden Cost
Application for Approval (Engineer)	83	0.05	4	14	56	\$83.37	\$4,668.60
Extension of Approval (Engineer)	83	0.01	1	5	5	\$83.37	\$416.84
Application for Certification (Engineer)	83	0.01	1	5	5	\$83.37	\$416.84
Extension of Certification (Engineer)	83	0.01	1	5	5	\$83.37	\$416.84
RAMP Application (Engineer)	83	0.01	1	1	1	\$83.37	\$83.37
Subtotal (Rounded)	83		8		72		\$6,002

MSHA Form 2000-38, Electrically Operated Mining Equipment U.S. Department of Labor Field Approval Application (Coal Operator)

30 CFR 18, Subpart E establishes requirements for mine operators to obtain MSHA field approval of electrically operated machinery used or intended for use in by the last open crosscut of a coal mine which has not been otherwise approved, certified or accepted under the provisions of this subpart. This is a rare occurrence. MSHA's hasn't received an MSHA Form 2000-38 since 2013. However, in instances where MSHA did not receive any applications, an estimate of one application will be used. MSHA estimates a mine operator earning \$143.31 per hour will take 11 minutes to complete MSHA Form 2000-38.

Table 12-24. Estimated Annual Respondent Hour and Cost Burden, MSHA Form 2000-38, Electrically Operated Mining Equipment U.S. Department of Labor Field Approval Application (Coal Operator)

Activity (Occupation)	No. of Respondents	No. of Responses per Respondent	Total Responses	Average Burden (Hours)	Total Burden (Hours)	Hourly Wage Rate	Total Burden Cost
Form 2000-38	83	0.01	1	0.18	0.18	\$143.31	\$26.27

Testing, Evaluation, and Approval of Mining Products, 30 CFR Subchapter B - Parts 6 through 36

OMB Control Number 1219-0066

OMB Expiration Date: 7/31/2024

(Operator)							
------------	--	--	--	--	--	--	--

Estimated Annualized Respondent Cost and Hour Burden

For the summary table that follows, MSHA calculated all time at the full precision (e.g., minutes/60) and then rounded to two decimal places after hours are calculated. The hourly employee cost is shown rounded to two decimal places. The total burden costs for question 12 are the product of hours times rate and then rounded to two decimal places. MSHA rounded all grand totals to whole numbers.

Table 12-25. Estimated Annual Respondent Hour and Cost Burden, Summary Totals

Activity (Occupation)	No. of Respondents	No. of Responses per Respondent	Total Responses	Average Burden (Hours)	Total Burden (Hours)	Hourly Wage Rate	Total Burden Cost
Part 6 (Clerical Worker)	83	0.02	2	0.25	0.5	\$38.76	\$19.38
Part 7 Subpart B Application for Approval	83	0.05	4	5	20	\$83.37	\$1,667.36
Part 7 Subpart B Extension of Approval	83	0.01	1	5	5	\$83.37	\$416.84
Part 7 Subpart C Application for Approval	83	0.01	1	4	4	\$83.37	\$333.47
Part 7 Subpart C Extension of Approval	83	0.01	1	4	4	\$83.37	\$333.47
Part 7 Subpart C RAMP	83	0.01	1	2	2	\$83.37	\$166.74
Part 7 Subpart C Checklist	83	0.01	1	2	2	\$83.37	\$166.74
Part 7 Subpart D Application for Approval	83	0.01	1	4	4	\$83.37	\$333.47
Part 7 Subpart D Extension of Approval	83	0.01	1	2	2	\$83.37	\$166.74
Part 7 Subpart D Checklist	83	0.01	1	2	2	\$83.37	\$166.74
Part 7 Subpart E Application for Approval	83	0.01	1	43	43	\$83.37	\$3,584.82
Part 7 Subpart E Extension of Approval	83	0.01	1	43	43	\$83.37	\$3,584.82
Part 7 Subpart E RAMP	83	0.01	1	43	43	\$83.37	\$3,584.82
Part 7 Subpart E Particulate Index Test	83	0.01	1	0.5	0.5	\$83.37	\$41.68
Part 7 Subpart E Nonpermissible Engines Application for Approval	83	0.14	12	34.5	414	\$83.37	\$34,514.30
Part 7 Subpart E Nonpermissible Engines Extension of Approval	83	0.01	1	34.5	34.5	\$83.37	\$2,876.19
Part 7 Subpart E Nonpermissible Engines RAMP	83	0.02	2	34.5	69	\$83.37	\$5,752.38
Part 7 Subpart F Application for Approval	83	0.01	1	43	43	\$83.37	\$3,584.82
Part 7 Subpart F Extension of Approval	83	0.01	1	43	43	\$83.37	\$3,584.82
Part 7 Subpart F RAMP	83	0.01	1	43	43	\$83.37	\$3,584.82
Part 7 Subpart J Application for Approval	83	0.01	1	8	8	\$83.37	\$666.94
Part 7 Subpart J Extension of Approval	83	0.01	1	6	6	\$83.37	\$500.21
Part 7 Subpart J RAMP	83	0.01	1	2	2	\$83.37	\$166.74
Part 7 Subpart J Checklist	83	0.01	1	2	2	\$83.37	\$166.74
Part 7 Subpart K Application for Approval	83	0.12	10	6	60	\$83.37	\$5,002.07
Part 7 Subpart K Extension of Approval	83	0.14	12	4	48	\$83.37	\$4,001.66
Part 7 Subpart K Application for Approval (Cable Splice Kits)	83	0.01	1	6	6	\$83.37	\$500.21

Testing, Evaluation, and Approval of Mining Products, 30 CFR Subchapter B - Parts 6 through 36
 OMB Control Number 1219-0066
 OMB Expiration Date: 7/31/2024

Activity (Occupation)	No. of Respondents	No. of Responses per Respondent	Total Responses	Average Burden (Hours)	Total Burden (Hours)	Hourly Wage Rate	Total Burden Cost
Part 7 Subpart K Extension of Approval (Cable Splice Kits)	83	0.01	1	4	4	\$83.37	\$333.47
Part 7 Subpart L Application for Approval	83	0.01	1	400	400	\$83.37	\$33,347.15
Part 7 Subpart L Extension of Approval	83	0.01	1	100	100	\$83.37	\$8,336.79
Part 14 Application for Approval	83	0.13	11	5	55	\$83.37	\$4,585.23
Part 14 Extension of Approval	83	0.01	1	2	2	\$83.37	\$166.74
Part 15 Application for Approval	83	0.01	1	5	5	\$83.37	\$416.84
Part 15 Extension of Approval	83	0.01	1	5	5	\$83.37	\$416.84
Part 18 Application for Approval	83	0.19	16	14	224	\$83.37	\$18,674.40
Part 18 Application for Acceptance	83	0.04	3	14	42	\$83.37	\$3,501.45
Part 18 Extension of Approval	83	0.01	1	5	5	\$83.37	\$416.84
Part 18 Extension of Acceptance	83	0.01	1	5	5	\$83.37	\$416.84
Part 18 Application for Field Modification	83	0.01	1	5	5	\$83.37	\$416.84
Part 18 Application for Certification	83	0.12	10	14	140	\$83.37	\$11,671.50
Part 18 Extension of Certification	83	0.01	1	5	5	\$83.37	\$416.84
Part 18 Application for Permit	83	0.01	1	5	5	\$83.37	\$416.84
Part 18 Application for Simplified Certification	83	0.28	23	7	161	\$83.37	\$13,422.23
Part 18 Extension of Simplified Certification	83	0.01	1	3	3	\$83.37	\$250.10
Part 18 RAMP	83	0.75	62	1	62	\$83.37	\$5,168.81
Part 19 Application for Approval	83	0.02	2	14	28	\$83.37	\$2,334.30
Part 19 Extension of Approval	83	0.01	1	5	5	\$83.37	\$416.84
Part 19 RAMP	83	0.02	2	1	2	\$83.37	\$166.74
Part 20 Application for Approval	83	0.01	1	14	14	\$83.37	\$1,167.15
Part 20 Extension of Approval	83	0.01	1	5	5	\$83.37	\$416.84
Part 20 RAMP	83	0.02	2	1	2	\$83.37	\$166.74
Part 22 Application for Approval	83	0.01	1	14	14	\$83.37	\$1,167.15
Part 22 Extension of Approval	83	0.01	1	5	5	\$83.37	\$416.84
Part 22 RAMP	83	0.01	1	1	1	\$83.37	\$83.37
Part 23 Application for Approval	83	0.01	1	14	14	\$83.37	\$1,167.15
Part 23 Extension of Approval	83	0.01	1	5	5	\$83.37	\$416.84
Part 23 RAMP	83	0.11	9	1	9	\$83.37	\$750.31
Part 27 Application for Approval	83	0.01	1	14	14	\$83.37	\$1,167.15

Testing, Evaluation, and Approval of Mining Products, 30 CFR Subchapter B - Parts 6 through 36
 OMB Control Number 1219-0066
 OMB Expiration Date: 7/31/2024

Activity (Occupation)	No. of Respondents	No. of Responses per Respondent	Total Responses	Average Burden (Hours)	Total Burden (Hours)	Hourly Wage Rate	Total Burden Cost
Part 27 Extension of Approval	83	0.01	1	5	5	\$83.37	\$416.84
Part 27 RAMP	83	0.01	1	1	1	\$83.37	\$83.37
Part 28 Application for Approval	83	0.01	1	14	14	\$83.37	\$1,167.15
Part 28 Extension of Approval	83	0.01	1	5	5	\$83.37	\$416.84
Part 28 RAMP	83	0.01	1	1	1	\$83.37	\$83.37
Part 33 Application for Approval	83	0.01	1	14	14	\$83.37	\$1,167.15
Part 33 Extension of Approval	83	0.01	1	5	5	\$83.37	\$416.84
Part 33 Application for Certification	83	0.01	1	14	14	\$83.37	\$1,167.15
Part 33 Extension of Certification	83	0.01	1	5	5	\$83.37	\$416.84
Part 33 RAMP	83	0.01	1	1	1	\$83.37	\$83.37
Part 35 Application for Approval	83	0.04	3	24	72	\$83.37	\$6,002.49
Part 35 Extension of Approval	83	0.01	1	24	24	\$83.37	\$2,000.83
Part 35 RAMP	83	0.01	1	6	6	\$83.37	\$500.21
Part 36 Application for Approval	83	0.05	4	14	56	\$83.37	\$4,668.60
Part 36 Extension of Approval	83	0.01	1	5	5	\$83.37	\$416.84
Part 36 Application for Certification	83	0.01	1	5	5	\$83.37	\$416.84
Part 36 Extension of Certification	83	0.01	1	5	5	\$83.37	\$416.84
Part 36 RAMP	83	0.01	1	1	1	\$83.37	\$83.37
MSHA Form 2000-38	83	0.01	1	0.18	0.18	\$143.31	\$26.27
Total (Rounded)	83		248		2,539		\$211,633

13. Provide an estimate of the total annual cost burden to respondents or record keepers 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 service 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.**

30 CFR Part 5, Fees for Testing, Evaluation, and Approval of Mining Products section 5.10 states that Part 5 establishes a system under which MSHA charges a fee for services provided. This part includes the management and calculation of fees for the approval program, which includes: application processing, testing and evaluation, approval decisions, post-approval activities, and termination of approvals. This fee applies to all parts and subparts mentioned in this Supporting Statement.

In accordance with the most recent hourly rate issued pursuant to 30 CFR Part 5, MSHA charges \$166 per hour to evaluate applications for approval. The fee for testing, evaluation and approval of a product is based on the costs of the services provided.

Testing, Evaluation, and Approval of Mining Products, 30 CFR Subchapter B - Parts 6 through 36

OMB Control Number 1219-0066

OMB Expiration Date: 7/31/2024

Direct costs are based on current compensation and benefit costs for technical and support personnel directly involved in providing the service. Indirect costs are based on a proportionate share of the cost of activities which support the approval service, including management and administration of the MSHA facility operating costs and amortization and depreciation of facilities and equipment. MSHA also includes a quality control adjustment factor (of 1.34) to account for activities supporting the approval program (i.e., test setup, test teardown, internal quality control activities).

Unless otherwise noted, the average postage cost to submit an application is estimated to be \$10.

30 CFR 6: Testing and Evaluation by Independent Laboratories and Non-MSHA Product Safety Standards

In FY 2022, MSHA received 2 applications to be evaluated under 30 CFR 6 requirements. These applications were processed under 30 CFR 18 and 30 CFR 19. Therefore, the cost to the applicant for MSHA's evaluation is included under 30 CFR 18 and 30 CFR 19 in this document.

30 CFR 7: Testing by Applicant or Third Party

30 CFR 7 (Subpart B): Brattice Cloth and Ventilation Tubing

In order to determine costs under this section, MSHA calculated the average number of hours spent processing brattice cloth and ventilation tubing investigations in FY 2022. The cost to applicants for MSHA's evaluation of their applications for approval and extensions for approval is calculated in the table below.

Table 13-1. Estimated Annual Respondent Recordkeeping Cost Burden, 30 CFR 7 (Subpart B): Brattice Cloth and Ventilation Tubing

Activity Type	Applications	Hours per Application	Cost per Hour	Quality Control Adjustment Factor	Postage per Application	Total Cost
Application for Approval	4	6.7	\$166	1.34	\$10	\$6,001.39
Extension of Approval	1	4.1	\$166	1.34	\$10	\$922.00
Subtotal (Rounded)						\$6,923

30 CFR 7 (Subpart C): Battery Assemblies

Testing, Evaluation, and Approval of Mining Products, 30 CFR Subchapter B - Parts 6 through 36

OMB Control Number 1219-0066

OMB Expiration Date: 7/31/2024

In order to determine costs under this section, MSHA calculated the average number of hours spent processing battery assembly investigations in FY 2022. The cost to applicants for MSHA's evaluation of their applications for approval, extension of approval, and RAMP applications is calculated as follows:

Table 13-2. Estimated Annual Respondent Recordkeeping Cost Burden, 30 CFR 7 (Subpart C): Battery Assemblies

Activity Type	Applications	Hours per Application	Cost per Hour	Quality Control Adjustment Factor	Postage per Application	Total Cost
Application for Approval	1	19.9	\$166	1.34	\$10	\$4,436.56
Extension of Approval	1	2	\$166	1.34	\$10	\$454.88
RAMP	1	11.8	\$166	1.34	\$10	\$2,634.79
Subtotal (Rounded)						\$7,526

MSHA has assigned no cost burden to the auditing of battery assemblies because the audits are performed at the manufacturing site or a distribution center with no cost to the applicant. It is not necessary to destroy a battery assembly in order to audit it.

30 CFR 7 (Subpart D): Multiple-Shot Blasting Units

MSHA has not received any applications for blasting units for several years. In instances where MSHA did not receive any applications, an estimate of one application will be used and the hours will be taken from a similar program. The cost to applicants for MSHA's evaluation of their applications for approval and extension of approval is calculated as follows:

Table 13-3. Estimated Annual Respondent Recordkeeping Cost Burden, 30 CFR 7 (Subpart D) Multiple-Shot Blasting Units

Activity Type	Applications	Hours per Application	Cost per Hour	Quality Control Adjustment Factor	Postage per Application	Total Cost
Application for Approval	1	4	\$166	1.34	\$10	\$899.76
Extension of Approval	1	2	\$166	1.34	\$10	\$454.88
Subtotal (Rounded)						\$1,355

Testing, Evaluation, and Approval of Mining Products, 30 CFR Subchapter B - Parts 6 through 36

OMB Control Number 1219-0066

OMB Expiration Date: 7/31/2024

MSHA has assigned no cost burden to the auditing of blasting units because the audits are performed at the manufacturing site or a distribution center. It is not necessary to destroy a blasting unit in order to audit it.

30 CFR 7 (Subpart E): Diesel Engines Intended for Use in Underground Coal Mines (Permissible Engines)

MSHA received 1 application for permissible engines in FY 2022. In instances where MSHA did not receive any applications, an estimate of one application will be used and the hours will be taken from a similar program. The cost to applicants for MSHA's evaluation of their applications for approval, extension of approval, and RAMP applications is calculated as follows:

Table 13-4. Estimated Annual Respondent Recordkeeping Cost Burden, 30 CFR 7 (Subpart E): Diesel Engines Intended for Use in Underground Coal Mines (Permissible Engines)

Activity Type	Applications	Hours per Application	Cost per Hour	Quality Control Adjustment Factor	Postage per Application	Total Cost
Application for Approval	1	33	\$166	1.34	\$10	\$7,350.52
Extension of Approval	1	21	\$166	1.34	\$10	\$4,681.24
RAMP	1	4	\$166	1.34	\$10	\$899.76
Subtotal (Rounded)						\$12,932

MSHA estimates the cost for these tests on a new permissible engine model to be about \$25,000. (Note: This is not a new cost incurred by manufacturers under 30 CFR 7, subpart E, because these tests were formerly performed under existing Part 36.)

MSHA estimates that a particulate index test for a new permissible engine model that is already set up to run a maximum fuel/air ratio test and gaseous ventilation test will cost about \$7,500.

Table 13-4a. Estimated Annual Respondent Recordkeeping Cost Burden, 30 CFR 7 (Subpart E): Diesel Engines Intended for Use in Underground Coal Mines (Permissible Engines), Tests

Activity Type	Applications	Cost per Application	Total Cost
Tests per Application for Approval	1	\$25,000	\$25,000
Particulate Index Test	1	\$7,500	\$7,500

Testing, Evaluation, and Approval of Mining Products, 30 CFR Subchapter B - Parts 6 through 36

OMB Control Number 1219-0066

OMB Expiration Date: 7/31/2024

Subtotal (Rounded)			\$32,500
---------------------------	--	--	-----------------

MSHA has assigned no cost burden to the auditing of permissible engines because the audits are performed at the manufacturing site or a distribution center. It is not necessary to destroy a permissible engine in order to audit it.

(Non-Permissible Engines)

In order to determine costs under this section, MSHA calculated the average number of hours spent processing non-permissible engine investigations in FY 2022. The cost to applicants for MSHA's evaluation of their applications for approval, extension of approval, and RAMP applications is calculated as follows:

Table 13-5. Estimated Annual Respondent Recordkeeping Cost Burden, 30 CFR 7 (Subpart E): Diesel Engines Intended for Use in Underground Coal Mines (Non-Permissible Engines)

Activity Type	Applications	Hours per Application	Cost per Hour	Quality Control Adjustment Factor	Postage per Application	Total Cost
Application for Approval	12	38.6	\$166	1.34	\$10	\$103,154.21
Extension of Approval	1	21	\$166	1.34	\$10	\$4,681.24
RAMP	2	14.8	\$166	1.34	\$10	\$6,604.22
Subtotal (Rounded)						\$114,440

Non-permissible engines are required to have a maximum fuel/air ratio test (required by 30 CFR 7.87), a gaseous ventilation test (required by CFR 7.88), and a particulate index test (required by 30 CFR 7.89). A manufacturer can have all three tests for a new non-permissible engine model performed by a third party. MSHA estimates that the cost to conduct all three tests is \$30,000.

Table 13-5a. Estimated Annual Respondent Recordkeeping Cost Burden, 30 CFR 7 (Subpart E): Diesel Engines Intended for Use in Underground Coal Mines (Non-Permissible Engines), Tests

Activity Type	Applications	Cost per Application	Total Cost
Tests per Application for Approval	12	\$30,000	\$360,000.00
Subtotal (Rounded)			\$360,000

Testing, Evaluation, and Approval of Mining Products, 30 CFR Subchapter B - Parts 6 through 36

OMB Control Number 1219-0066

OMB Expiration Date: 7/31/2024

MSHA has assigned no cost burden to the auditing of non-permissible engines because the audits are performed at the manufacturing site or a distribution center. It is not necessary to destroy a non-permissible engine in order to audit it.

30 CFR 7 (Subpart F): Diesel Power Packages Intended for Use in Areas of Underground Coal Mines Where Permissible Electric Equipment is Required (Diesel Permissible Power Packages)

In order to determine costs under this section, MSHA calculated the average number of hours spent processing non-permissible engine investigations in FY 2022. Instances where MSHA did not receive any applications, an estimate of one application will be used and the hours will be taken from a similar program. The cost to applicants for MSHA's evaluation of their applications for approval is calculated as follows:

Table 13-6. Estimated Annual Respondent Recordkeeping Cost Burden, 30 CFR 7 (Subpart F): Diesel Power Packages Intended for Use in Areas of Underground Coal Mines Where Permissible Electric Equipment is Required (Diesel Permissible Power Packages)

Activity Type	Applications	Hours per Application	Cost per Hour	Quality Control Adjustment Factor	Postage per Application	Total Cost
Application for Approval	1	82	\$166	1.34	\$10	\$18,250.08
Extension of Approval	1	36	\$166	1.34	\$10	\$8,017.84
RAMP	1	23.8	\$166	1.34	\$10	\$5,304.07
Subtotal (Rounded)						\$31,572

Tests on power packages for new permissible engine models may be performed by a third party. These tests will be done under 30 CFR 7.100 - Explosion test; 30 CFR 7.101 - Surface temperature test; 30 CFR 7.102 - Exhaust gas cooling efficiency test; 30 CFR 7.103 - Safety system control test; and 30 CFR 7.104 - Internal static pressure test. MSHA estimates that the cost to have these tests done on a power package for a new permissible engine model to be about \$35,000.

Table 13-6a. Estimated Annual Respondent Recordkeeping Cost Burden, 30 CFR 7 (Subpart F): Diesel Power Packages Intended for Use in Areas of Underground Coal Mines Where Permissible Electric Equipment is Required (Diesel Permissible Power Packages), Tests

Activity Type	Applications	Cost per Application	Total Cost
Tests per Application for Approval	1	\$35,000	\$35,000.00

Testing, Evaluation, and Approval of Mining Products, 30 CFR Subchapter B - Parts 6 through 36

OMB Control Number 1219-0066

OMB Expiration Date: 7/31/2024

Subtotal (Rounded)			\$35,000
---------------------------	--	--	-----------------

MSHA has assigned no cost burden to the auditing of permissible power packages because the audits are performed at the manufacturing site or a distribution center. It is not necessary to destroy a power package in order to audit it.

30 CFR 7 (Subpart J): Electric Motor Assemblies

In order to determine costs under this section, MSHA calculated the average number of hours spent processing motor assembly investigations in FY 2022. Instances where MSHA did not receive any applications, an estimate of one application will be used and the hours will be taken from a similar program. The cost to applicants for MSHA's evaluations of their applications for approval is calculated as follows:

Table 13-7. Estimated Annual Respondent Recordkeeping Cost Burden, 30 CFR 7 (Subpart J): Electric Motor Assemblies

Activity Type	Applications	Hours per Application	Cost per Hour	Quality Control Adjustment Factor	Postage per Application	Total Cost
Application for Approval	1	40.2	\$166	1.34	\$10	\$8,952.09
Extension of Approval	1	2	\$166	1.34	\$10	\$454.88
RAMP	4	14.2	\$166	1.34	\$10	\$12,674.59
Subtotal (Rounded)						\$22,082

MSHA has assigned no cost burden to the auditing of motor assemblies because the audits are performed at the manufacturing site or distribution center with no cost to the applicant. It is not necessary to destroy the motor assembly in order to audit it.

30 CFR 7 (Subpart K): Electric Cables, Signaling Cables, and Cable Splice Kits

In order to determine costs under this section, MSHA calculated the average number of hours spent processing cable investigations in FY2022. The cost to applicants for MSHA's evaluations of their applications for approval is calculated as follows:

Table 13-8. Estimated Annual Respondent Recordkeeping Cost Burden, 30 CFR 7 (Subpart K): Electric Cables and Signaling Cables

Activity Type	Applications	Hours per Application	Cost per Hour	Quality Control Adjustment Factor	Postage per Application	Total Cost
Application for	10	6.7	\$166	1.34	\$10	\$15,003.48

Testing, Evaluation, and Approval of Mining Products, 30 CFR Subchapter B - Parts 6 through 36

OMB Control Number 1219-0066

OMB Expiration Date: 7/31/2024

Approval						
Extension of Approval	12	5.2	\$166	1.34	\$10	\$14,000.26
Subtotal (Rounded)						\$29,004

Tests on cables may be performed by a third party. MSHA estimates that the cost to have these tests done to be about \$750.

Table 13-8a. Estimated Annual Respondent Recordkeeping Cost Burden, 30 CFR 7 (Subpart K): Electric Cables and Signaling Cables, Tests

Activity Type	Applications	Cost per Application	Total Cost
Tests per Application for Approval	10	\$750	\$7,500.00
Tests per Application for Extension	12	\$750	\$9,000.00
Subtotal (Rounded)			\$16,500

In order to determine costs under this section, MSHA calculated the average number of hours spent processing splice kit investigations in FY 2022. The cost to applicants for MSHA's evaluation of their applications for approval is calculated as follows:

Table 13-9. Estimated Annual Respondent Recordkeeping Cost Burden, 30 CFR 7 (Subpart K): Splice Kits

Activity Type	Applications	Hours per Application	Cost per Hour	Quality Control Adjustment Factor	Postage per Application	Total Cost
Application for Approval	1	6.9	\$166	1.34	\$10	\$1,544.84
Extension of Approval	1	4.9	\$166	1.34	\$10	\$1,099.96
Subtotal (Rounded)						\$2,645

Tests on splice kits may be performed by a third party. MSHA estimates that the cost to have these tests done to be about \$750.

Table 13-9a. Estimated Annual Respondent Recordkeeping Cost Burden, 30 CFR 7 (Subpart K): Splice Kits, Tests

Activity Type	Applications	Cost per Application	Total Cost
Tests per Application for Approval	1	\$750	\$750.00
Tests per Application for Extension	1	\$750	\$750.00
Subtotal (Rounded)			\$1,500

Testing, Evaluation, and Approval of Mining Products, 30 CFR Subchapter B - Parts 6 through 36

OMB Control Number 1219-0066

OMB Expiration Date: 7/31/2024

In FY 2022, MSHA conducted no cable audits and no splice kit audits. The estimated cost to the approval holders for providing these products to MSHA is as follows:

Table 13-9b. Estimated Annual Respondent Recordkeeping Cost Burden, 30 CFR 7 (Subpart K): Electric Cables, Signaling Cables, and Splice Kits, Audits

Activity Type	Applications	Cost per Application	Total Cost
Audits for Electric Cable Sample	1	\$150	\$150.00
Audits for Signaling Cable Samples	1	\$150	\$150.00
Audits for Splice Kits	1	\$150	\$150.00
Subtotal (Rounded)			\$450

30 FR Part 7 (Subpart L): Refuge Alternatives

Instances where MSHA did not receive any applications, an estimate of one application will be used and the hours will be taken from a similar program. In order to determine costs under this section, MSHA calculated the average number of hours spent processing applications for refuge alternative components in FY 2022. The cost to applicants for MSHA's evaluations of their applications for approval is calculated as follows:

Table 13-10. Estimated Annual Respondent Recordkeeping Cost Burden, 30 CFR 7 (Subpart L): Refuge Alternatives

Activity Type	Applications	Hours per Application	Cost per Hour	Quality Control Adjustment Factor	Postage per Application	Total Cost
Applications for Approval	1	30.3	\$166	1.34	\$10	\$6,749.93
Extension of Approval	1	19.2	\$166	1.34	\$10	\$4,280.85
RAMP	1	6.9	\$166	1.34	\$10	\$1,544.84
Subtotal (Rounded)						\$12,576

30 CFR 14: Requirements for the Approval of Flame-Resistant Conveyor Belts

In FY 2022, MSHA received 11 applications for approval and no applications for extension of approval for Approval of Flame-Resistant Conveyor Belts. The cost to

Testing, Evaluation, and Approval of Mining Products, 30 CFR Subchapter B - Parts 6 through 36

OMB Control Number 1219-0066

OMB Expiration Date: 7/31/2024

applicants for MSHA's evaluations of their applications for approval is calculated as follows:

Table 13-11. Estimated Annual Respondent Recordkeeping Cost Burden, 30 CFR 14: Requirements for the Approval of Flame-Resistant Conveyor Belts

Activity Type	Applications	Hours per Application	Cost per Hour	Quality Control Adjustment Factor	Postage per Application	Total Cost
Applications for Approval	11	14.8	\$166	1.34	\$10	\$36,323.23
Extension of Approval	1	10.6	\$166	1.34	\$10	\$2,367.86
Subtotal (Rounded)						\$38,691.10

30 CFR 15: Requirements for Approval of Explosives and Sheathed Explosive Units

In FY 2022, MSHA received no applications for approval and no applications for extension of approval for explosives and sheathed explosive units. Instances where MSHA did not receive any applications, an estimate of one application will be used and the hours will be taken from a similar program. The cost to applicants for MSHA's evaluations of their applications for approval is calculated as follows:

Table 13-12. Estimated Annual Respondent Recordkeeping Cost Burden, 30 CFR 15: Requirements for Approval of Explosives and Sheathed Explosive Units

Activity Type	Applications	Hours per Application	Cost per Hour	Quality Control Adjustment Factor	Postage per Application	Total Cost
Applications for Approval	1	50	\$166	1.34	\$10	\$11,132.00
Extension of Approval	1	25	\$166	1.34	\$10	\$5,571.00
Subtotal (Rounded)						\$16,703

Under 30 CFR 15, Subpart A, MSHA is authorized to conduct periodic post-approval audits of approved products. No more than once a year except for cause, the approval holder, at MSHA's request, must make an approved product available at no cost to MSHA for an audit to be conducted at a mutually agreeable site and time. In FY 2022, MSHA conducted no explosives or sheathed explosive unit audits. If audits were performed, the samples would be destroyed during the testing process.

Table 13-12b. Estimated Annual Respondent Recordkeeping Cost Burden, 30 CFR 15: Requirements for Approval of Explosives and Sheathed Explosive Units, Audits

Activity Type	Applications	Cost per Application	Total Cost
Audits for Explosives	1	\$25	\$25.00
Audits for Sheathed Explosives	1	\$100	\$100.00
Subtotal (Rounded)			\$125

30 CFR 18: Electric Motor-Driven Mine Equipment and Accessories

In order to determine costs under this section, MSHA has estimated the number of hours it would take to review the relevant documents, i.e., applications, etc. The actual calculation used takes into account the number of documents, the number of hours it takes to review each document, a decimal figure determined by MSHA to account for overhead costs, and the hourly rate charged by MSHA to review the documents.

Destructive testing is often required during the evaluation of the mining equipment and materials covered under this part. However, the cost of the samples subjected to destructive testing is insignificant and a customary and usual business practice.

Table 13-13. Estimated Annual Respondent Recordkeeping Cost Burden, 30 CFR 18: Electric Motor-Driven Mine Equipment and Accessories

Activity Type	Applications	Hours per Application	Cost per Hour	Quality Control Adjustment Factor	Postage per Application	Total Cost
Applications for Approval	16	99.8	\$166	1.34	\$10	\$355,352.19
Applications for Acceptance	3	7.7	\$166	1.34	\$10	\$5,168.36
Applications for Extension of Approval	1	19.1	\$166	1.34	\$10	\$4,258.60
Application for Extension of Acceptance	1	2	\$166	1.34	\$10	\$454.88
Field Modification Applications	1	12.6	\$166	1.34	\$10	\$2,812.74
Applications for Certification	10	190.35	\$166	1.34	\$10	\$423,514.54
Application for Extension of Certification	1	23.6	\$166	1.34	\$10	\$5,259.58
Permit	1	2.1	\$166	1.34	\$10	\$477.12

Testing, Evaluation, and Approval of Mining Products, 30 CFR Subchapter B - Parts 6 through 36

OMB Control Number 1219-0066

OMB Expiration Date: 7/31/2024

Applications						
Applications for Simplified Certification	23	11	\$166	1.34	\$10	\$56,507.32
Application for Extension of Simplified Certification	1	18.1	\$166	1.34	\$10	\$4,036.16
RAMP	62	11.9	\$166	1.34	\$10	\$164,736.23
Subtotal (Rounded)						\$1,022,578

30 CFR 19: Electric Cap Lamps

In order to determine costs under this section, MSHA has estimated the number of hours it would take to review the relevant documents, i.e., applications, etc. The actual calculation used takes into account the number of documents, the number of hours it takes to review each document, a decimal figure determined by MSHA to account for overhead costs, and the hourly rate charged by MSHA to review the documents.

Destructive testing is often required during the evaluation of the mining equipment and materials covered under this part. However, the cost of the samples subjected to destructive testing is insignificant and a customary and usual business practice.

Table 13-14. Estimated Annual Respondent Recordkeeping Cost Burden, 30 CFR 19: Electric Cap Lamps

Activity Type	Applications	Hours per Application	Cost per Hour	Quality Control Adjustment Factor	Postage per Application	Total Cost
Applications for Approval	2	75.8	\$166	1.34	\$10	\$33,741.90
Extension of Approval	1	29.9	\$166	1.34	\$10	\$6,660.96
RAMP	2	4.9	\$166	1.34	\$10	\$2,199.91
Subtotal (Rounded)						\$42,603

30 CFR 20: Electric Mine Lamps Other Than Standard Cap Lamps

In order to determine costs under this section, MSHA has estimated the number of hours it would take to review the relevant documents, i.e., applications, etc. The actual calculation used takes into account the number of documents, the number of hours it

Testing, Evaluation, and Approval of Mining Products, 30 CFR Subchapter B - Parts 6 through 36

OMB Control Number 1219-0066

OMB Expiration Date: 7/31/2024

takes to review each document, a decimal figure determined by MSHA to account for overhead costs, and the hourly rate charged by MSHA to review the documents.

Destructive testing is often required during the evaluation of the mining equipment and materials covered under this part. However, the cost of the samples subjected to destructive testing is insignificant and a customary and usual business practice.

Table 13-15. Estimated Annual Respondent Recordkeeping Cost Burden, 30 CFR 20: Electric Mine Lamps Other Than Standard Cap Lamps

Activity Type	Applications	Hours per Application	Cost per Hour	Quality Control Adjustment Factor	Postage per Application	Total Cost
Applications for Approval	1	100.8	\$166	1.34	\$10	\$22,431.95
Extension of Approval	1	29.9	\$166	1.34	\$10	\$6,660.96
RAMP	2	11	\$166	1.34	\$10	\$4,913.68
Subtotal (Rounded)						\$34,007

30 CFR 22: Portable Methane Detectors

In order to determine costs under this section, MSHA has estimated the number of hours it would take to review the relevant documents, i.e., applications, etc. The actual calculation used takes into account the number of documents, the number of hours it takes to review each document, a decimal figure determined by MSHA to account for overhead costs, and the hourly rate charged by MSHA to review the documents.

Destructive testing is often required during the evaluation of the mining equipment and materials covered under this part. However, the cost of the samples subjected to destructive testing is insignificant and a customary and usual business practice.

Table 13-16. Estimated Annual Respondent Recordkeeping Cost Burden, 30 CFR 22: Portable Methane Detectors

Activity Type	Applications	Hours per Application	Cost per Hour	Quality Control Adjustment Factor	Postage per Application	Total Cost
Applications for Approval	1	221.8	\$166	1.34	\$10	\$49,347.19
Extension of Approval	1	110.9	\$166	1.34	\$10	\$24,678.60
RAMP	1	88.1	\$166	1.34	\$10	\$19,606.96
Subtotal						\$93,633

Testing, Evaluation, and Approval of Mining Products, 30 CFR Subchapter B - Parts 6 through 36

OMB Control Number 1219-0066

OMB Expiration Date: 7/31/2024

<i>(Rounded)</i>						
------------------	--	--	--	--	--	--

30 CFR 23: Telephones and Signaling Devices

In order to determine costs under this section, MSHA has estimated the number of hours it would take to review the relevant documents, i.e., applications, etc. The actual calculation used takes into account the number of documents, the number of hours it takes to review each document, a decimal figure determined by MSHA to account for overhead costs, and the hourly rate charged by MSHA to review the documents.

Destructive testing is often required during the evaluation of the mining equipment and materials covered under this part. However, the cost of the samples subjected to destructive testing is insignificant and a customary and usual business practice.

Table 13-17. Estimated Annual Respondent Recordkeeping Cost Burden, 30 CFR 23: Telephones and Signaling Devices

Activity Type	Applications	Hours per Application	Cost per Hour	Quality Control Adjustment Factor	Postage per Application	Total Cost
Applications for Approval	1	163	\$166	1.34	\$10	\$36,267.72
Extension of Approval	1	54.3	\$166	1.34	\$10	\$12,088.49
RAMP	9	15.3	\$166	1.34	\$10	\$30,719.99
Subtotal (Rounded)						\$79,076

30 CFR 27: Methane Monitoring Systems

In order to determine costs under this section, MSHA has estimated the number of hours it would take to review the relevant documents, i.e., applications, etc. The actual calculation used takes into account the number of documents, the number of hours it takes to review each document, a decimal figure determined by MSHA to account for overhead costs, and the hourly rate charged by MSHA to review the documents.

Destructive testing is often required during the evaluation of the mining equipment and materials covered under this part. However, the cost of the samples subjected to destructive testing is insignificant and a customary and usual business practice.

Table 13-18. Estimated Annual Respondent Recordkeeping Cost Burden, 30 CFR 27: Methane Monitoring Systems

Activity Type	Applications	Hours per	Cost	Quality	Postage	Total Cost
---------------	--------------	-----------	------	---------	---------	------------

Testing, Evaluation, and Approval of Mining Products, 30 CFR Subchapter B - Parts 6 through 36

OMB Control Number 1219-0066

OMB Expiration Date: 7/31/2024

		Application	per Hour	Control Adjustment Factor	per Application	
Applications for Approval	1	66.8	\$166	1.34	\$10	\$14,868.99
Extension of Approval	1	27	\$166	1.34	\$10	\$6,015.88
RAMP	1	49.9	\$166	1.34	\$10	\$11,109.76
Subtotal (Rounded)						\$31,995

30 CFR 28: Fuses for Use with Direct Current

In order to determine costs under this section, MSHA has estimated the number of hours it would take to review the relevant documents, i.e., applications, etc. The actual calculation used takes into account the number of documents, the number of hours it takes to review each document, travel time, a decimal figure determined by MSHA to account for overhead costs, and the hourly rate charged by MSHA to review the documents.

Table 13-19. Estimated Annual Respondent Recordkeeping Cost Burden, 30 CFR 28: Fuses for Use with Direct Current

Activity Type	Applications	Hours per Application	Cost per Hour	Quality Control Adjustment Factor	Postage per Application	Total Cost
Applications for Approval	1	71	\$166	1.34	\$10	\$15,803.24
Extension of Approval	1	40	\$166	1.34	\$10	\$8,907.60
RAMP	1	4	\$166	1.34	\$10	\$899.76
Subtotal (Rounded)						\$25,611

MSHA does not have the facilities necessary to perform the destructive testing required in this part. Therefore, the cost burden includes the following:

Table 13-19a. Estimated Annual Respondent Recordkeeping Cost Burden, 30 CFR 28: Fuses for Use with Direct Current, Testing

Activity Type	Applications	Cost per Application	Total Cost
Travel Cost to Witness Testing	1	\$1,000	\$1,000.00
Test Facility Rental	1	\$15,000	\$15,000.00
Subtotal (Rounded)			\$16,000

30 CFR 33: Dust Collectors for Use in Connection with Rock Drilling in Coal Mines

In order to determine costs under this section, MSHA has estimated the number of hours it would take to review the relevant documents, i.e., applications, etc. The actual calculation used takes into account the number of documents, the number of hours it takes to review each document, a decimal figure determined by MSHA to account for overhead costs, and the hourly rate charged by MSHA to review the documents.

Table 13-20. Estimated Annual Respondent Recordkeeping Cost Burden, 30 CFR 33: Dust Collectors for Use in Connection with Rock Drilling in Coal Mines

Activity Type	Applications	Hours per Application	Cost per Hour	Quality Control Adjustment Factor	Postage per Application	Total Cost
Applications for Approval	1	10.2	\$166	1.34	\$10	\$2,278.89
Extension of Approval	1	3	\$166	1.34	\$10	\$677.32
Applications for Certification	1	8.5	\$166	1.34	\$10	\$1,900.74
Extension of Certification	1	3	\$166	1.34	\$10	\$677.32
RAMP	1	10.5	\$166	1.34	\$10	\$2,345.62
Subtotal (Rounded)						\$7,880

The testing required under this part is done at a mine site. The cost burden includes the travel cost to witness the testing.

Table 13-20a. Estimated Annual Respondent Recordkeeping Cost Burden, 30 CFR 33: Dust Collectors for Use in Connection with Rock Drilling in Coal Mines, Testing

Activity Type	Applications	Cost per Application	Total Cost
Travel Cost to Witness Testing	1	\$1,000	\$1,000.00
Subtotal (Rounded)			\$1,000

PART 35: Fire-Resistant Hydraulic Fluids

In order to determine costs under this section, MSHA has estimated the number of hours it would take to review the relevant documents, i.e., applications, etc. The actual calculation used takes into account the number of documents, the number of hours it takes to review each document, a decimal figure determined by MSHA to account for

Testing, Evaluation, and Approval of Mining Products, 30 CFR Subchapter B - Parts 6 through 36

OMB Control Number 1219-0066

OMB Expiration Date: 7/31/2024

overhead costs, and the hourly rate charged by MSHA to review the documents. Destructive testing is required under this part. However, the cost of the samples subjected to destructive testing is insignificant and a customary and usual business practice.

Table 13-21. Estimated Annual Respondent Recordkeeping Cost Burden, PART 35: Fire-Resistant Hydraulic Fluids

Activity Type	Applications	Hours per Application	Cost per Hour	Quality Control Adjustment Factor	Postage per Application	Total Cost
Applications for Approval	3	22.9	\$166	1.34	\$10	\$15,311.63
Extension of Approval	1	4.2	\$166	1.34	\$10	\$944.25
Subtotal (Rounded)						\$16,256

30 CFR 36: Approval Requirements for Permissible Mobile Diesel-Powered Transportation Equipment

In order to determine costs under this section, MSHA has estimated the number of hours it would take to review the relevant documents, i.e., applications, etc. The actual calculation used takes into account the number of documents, the number of hours it takes to review each document, a decimal figure determined by MSHA to account for overhead costs, and the hourly rate charged by MSHA to review the documents.

Table 13-22. Estimated Annual Respondent Recordkeeping Cost Burden, 30 CFR 36: Approval Requirements for Permissible Mobile Diesel-Powered Transportation Equipment

Activity Type	Applications	Hours per Application	Cost per Hour	Quality Control Adjustment Factor	Postage per Application	Total Cost
Applications for Approval	4	66.95	\$166	1.34	\$10	\$59,609.43
Applications for Extension of Approval	1	29	\$166	1.34	\$10	\$6,460.76
Applications for Safety Component Certification	1	10	\$166	1.34	\$10	\$2,234.40
Application for Extension of Safety	1	5	\$166	1.34	\$10	\$1,122.20

Testing, Evaluation, and Approval of Mining Products, 30 CFR Subchapter B - Parts 6 through 36

OMB Control Number 1219-0066

OMB Expiration Date: 7/31/2024

Component Certification						
RAMP	1	8.3	\$166	1.34	\$10	\$1,856.25
Subtotal (Rounded)						\$71,283

Table 23. Estimated Annual Respondent Recordkeeping Cost Burden, Summary Totals

Cite Reference	Cost
30 CFR Part 6	\$0.00
30 CFR Part 7	\$687,003.15
<i>Subpart B</i>	\$6,923.40
<i>Subpart C</i>	\$7,526.23
<i>Subpart D</i>	\$1,354.64
<i>Subpart E Permissible Engines</i>	\$45,431.52
<i>Subpart E Non-Permissible Engines</i>	\$474,439.67
<i>Subpart F</i>	\$66,571.99
<i>Subpart J</i>	\$22,081.56
<i>Subpart K Electric and Signaling Cables</i>	\$45,503.74
<i>Subpart K Splice Kits</i>	\$4,594.79
<i>Subpart L</i>	\$12,575.62
30 CFR Part 14	\$38,691.10
31 CFR Part 15	\$16,828.00
32 CFR Part 18	\$1,022,577.75
33 CFR Part 19	\$42,602.77
34 CFR Part 20	\$34,006.59
35 CFR Part 22	\$93,632.75
36 CFR Part 23	\$79,076.20
37 CFR Part 27	\$31,994.63
38 CFR Part 28	\$41,610.60
39 CFR Part 33	\$8,879.89
40 CFR Part 35	\$16,255.88
41 CFR Part 36	\$71,283.04
Total (Rounded)	\$2,184,442

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.

Testing, Evaluation, and Approval of Mining Products, 30 CFR Subchapter B - Parts 6 through 36

OMB Control Number 1219-0066

OMB Expiration Date: 7/31/2024

The only costs to MSHA under 30 CFR 6 through 36 are those related to post-approval audits. These audits are conducted in MSHA laboratories by lab personnel or at mine warehouses, or manufacturing or distribution sites by Mining Equipment Compliance Specialists. The costs to conduct these audits are as follows.

MSHA estimates that its travel cost to have a Laboratory Technician or a Mining Equipment Compliance Specialist travel to a mine, manufacturing or distribution site and perform a post-approval audit in FY 2022 on equipment was approximately \$32 per audit. This includes mileage, lodging, parking, tolls, travel time, and consumables. Also, many audits are performed in the laboratory on samples provided by the approval holder. MSHA estimates the salary expense for a Laboratory Technician or a Mining Equipment Compliance Specialist to be \$73.69 per hour.⁷

Table 14. Cost to Government

Cite Reference	Audits	Hours per Audit	Total Federal Burden (Hours)	Rate	Total Cost
Part 7 (Subpart B): Brattice Cloth and Ventilation Tubing	2	3.7	7.4	\$73.69	\$545.31
Part 7 (Subpart C): Battery Assemblies	1	3.1	3.1	\$73.69	\$228.44
Part 7 (Subpart E): Diesel Engines Intended for Use in Underground Coal Mines, Permissible Engines	3	4.5	13.5	\$73.69	\$994.82
Part 7 (Subpart E): Diesel Engines Intended for Use in Underground Coal Mines, Non-Permissible Engines	6	4.9	29.4	\$73.69	\$2,166.49
Part 7 (Subpart F): Diesel Power Packages Intended for Use in Areas of Underground Coal Mines Where Permissible Electric Equipment is Required	3	4.4	13.2	\$73.69	\$972.71
Part 7 (Subpart J): Electric Motor Assemblies	3	5.9	17.7	\$73.69	\$1,304.31
Part 7 (Subpart K): Electric Cables, Signaling Cables, and Cable Splice Kits					\$11,900.94
<i>Electrical Cables</i>	<i>30</i>	<i>3.7</i>	<i>111.0</i>	<i>\$73.69</i>	<i>\$8,179.59</i>
<i>Signaling Cables</i>	<i>15</i>	<i>2.5</i>	<i>37.5</i>	<i>\$73.69</i>	<i>\$2,763.38</i>
<i>Splicing Kits</i>	<i>2</i>	<i>6.5</i>	<i>13.0</i>	<i>\$73.69</i>	<i>\$957.97</i>

⁷ Hourly rate developed from Office of personnel Management (OPM) September 2023 *FedScope* employment cube, <http://www.fedscope.opm.gov/>. Data search qualifiers were: Agency = DLMS, location=WV, Occupation = 18xx and 08xx, Salary Grade = all GS, Measure = Average Salary. The hourly wage is the annual salary divided by 2,087. In order to include the cost of benefits, MSHA multiplied the average salary by a federal benefit scaler for MSHA of 1.425 (FY 2024 budget submission). Rate engineer: \$80.65=\$118,116/2087 x 1.425. Rate expert: \$66.73=\$97,724/2087*1.425. Either occupation may be involved with the audit so the average rate of the two, or \$73.69, was used.

Testing, Evaluation, and Approval of Mining Products, 30 CFR Subchapter B - Parts 6 through 36

OMB Control Number 1219-0066

OMB Expiration Date: 7/31/2024

Part 14 Flame-Resistant Conveyor Belts	18	6.8	122.4	\$73.69	\$9,019.66
Part 18: Electrical Motor Driven Mine Equipment and Accessories					\$12,958.85
<i>Audits</i>	25	6.6	165.0	\$73.69	\$12,158.85
<i>Travel Cost</i>	25		25.0	\$32.00	\$800.00
Part 19: Electric Cap Lamps					\$5,367.47
<i>Audits</i>	42	1.3	54.6	\$73.69	\$4,023.47
<i>Travel Cost</i>	42		42.0	\$32.00	\$1,344.00
Part 23: Telephones and Signaling Devices					\$5,081.19
<i>Audits</i>	22	2.7	59.4	\$73.69	\$4,377.19
<i>Travel Cost</i>	22		22.0	\$32.00	\$704.00
Part 27: Methane Monitoring Systems					\$1,302.20
<i>Audits</i>	5	3.1	15.5	\$73.69	\$1,142.20
<i>Travel Cost</i>	5		5.0	\$32.00	\$160.00
Part 36: Approval Requirements for Permissible Mobile Diesel-Powered Transportation Equipment					\$737.71
<i>Audits</i>	12	0.4	4.8	\$73.69	\$353.71
<i>Travel Cost</i>	12		12.0	\$32.00	\$384.00
Total Cost to Government (Rounded)			207		\$52,580

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

Respondents: The estimated number of respondents decreased from 130 to 83. This is based on the number of unique respondents that submitted responses in FY 2022 as compared to FY 2019.

Responses: The estimated annual number of responses decreased from 315 to 248 predominantly due to a significant decrease in the number of applications or extensions for approval of diesel engines intended for use in underground coal mines and flame-resistant conveyor belts.

Time Burden: The estimated annual time burden decreased from 3,424 hours to 2,539 hours due to the decrease in the number of responses.

Burden Costs: The estimated annual burden costs decreased from \$230,839 to \$211,633. While the number of responses and related time burden decreased, the hourly wage rate increased sufficiently to offset most of that change.

Other Burden Costs: The estimated annual other burden costs decreased from \$2,938,557 to \$2,184,442 due to the decrease in the number of responses.

Table 15-1. Summary of Changes

	Currently Approved ICR	Revised ICR	Difference
Number of Respondents	130	83	-47
Number of Responses	315	248	-67
Annual Time Burden	3,424	2,539	-885
Annual Burden Costs	\$230,839	\$211,633	-\$19,206
Annual Other Burden Costs	\$2,938,557	\$2,184,442	-\$754,115
Federal Costs	\$49,048	\$52,580	\$3,532
Federal Hours	207	207	0

16. For collections of information whose results will be published, outline plans for tabulations, 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 of information, completion of report, publication dates, and other actions.

MSHA has no plans to publish the results of this information collection.

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

MSHA will display the Control Number expiration date on associated forms.

18. Explain each exception to the topics of the certification statement.

There are no certification exceptions identified with this certification statement.

B. Collection of Information Employment Statistical Methods

This collection of information does not employ statistical methods and statistical analysis is not required by the regulation; therefore, questions 1 through 5 do not apply.