

# **Dust Collector Approval and Certificate of Performance Applications, 30 CFR 33**

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U.S. Department of Labor  
Mine Safety and Health Administration  
Approval and Certification Center

Program Circular  
PC 4018-0  
1985  
(Supercedes A&CC 1002-0  
dated January 1981)



This publication is one of a series that is intended to aid those interested in applying for an approval of their mining product from the Mine Safety and Health Administration's (MSHA's) Approval and Certification Center. The A&CC series of publication outlines the Approval and Certification Center's standard procedures for investigations, applications, and testing.

Additional single free copies of this booklet are available from the:

Approval and Certification Center, Technical Support  
Mine Safety and Health Administration  
U.S. Department of Labor  
RR 1, Box 251  
Triadelphia, West Virginia 26059

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# Dust Collector Approval and Certificate of Performance Applications, 30 CFR 33

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U.S. Department of Labor  
William E. Brock, Secretary

Mine Safety and Health Administration  
David A. Zegeer, Assistant Secretary for  
Mine Safety and Health

Approval and Certification Center  
Program Circular  
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DUST COLLECTOR APPROVAL AND CERTIFICATE  
OF PERFORMANCE APPLICATIONS  
30 CFR 33

Approvals and certificates of performance are issued by MSHA's Approval and Certification Center for dust collectors used in connection with rock drilling in coal mines. Applications for these approvals and certifications are subject to the requirements of Title 30, Code of Federal Regulations, Part 33 (formerly Schedule 25B). A copy of Title 30, Mineral Resources, Code of Federal Regulations (30 CFR), which contains Part 33, can be purchased from:

Superintendent of Documents  
U.S. Government Printing Office  
Washington, D.C. 20402  
Telephone: (202)783-3238

A copy of Part 33 is in an appendix to this report.

Before making application, the applicant should carefully review 30 CFR 33. Applications are to be sent to the:

Chief, Approval and Certification Center  
RR#1, Box 251  
Industrial Park Blvd.  
Triadelphia, West Virginia 26059

Each application to the Approval and Certification Center shall be identified by a Company Assigned Application Number. This number shall contain six (6) or fewer numeric characters and shall appear on the initial application and on each item supporting that application. (See Enclosure 1)

MSHA will compute the amount of fees at the conclusion of the investigation and will attach a copy of the fee disposition page with the final notification letter to the applicant. No fees are to be submitted with an application. (See Enclosure 2)

Application for Approval

In order to fully describe the dust collection unit/system submitted for approval as required by Section 33.6(d) of Part 33, the following information shall be provided with the application:

- A. Description of roof drill machine, including type, style, and power requirements.
- B. Machine assembly drawing clearly identifying all major components of the dust collection unit/system (see paragraph (C)). The part of the airflow from the drill head, through the dust collectors, and out the exhaust shall be highlighted. For a rockdust distribution unit, the by-pass valve piping arrangement shall be indicated on the machine assembly drawing. The operator(s) position(s) during drilling and rockdusting shall be indicated.
- C. Characteristics of the dust collection unit/system components shall be indicated on the assembly drawing or on an accompanying schematic. These characteristics shall include, as a minimum, the following information:
  1. Drill steel: Thru-Steel-Hole ID (inches)
  2. Collector and Exhaust Hose: length and ID of each hose segment in the dust collection unit/system (inches). If the machine is dual arm, please specify the length and ID of each hose segment for each arm.
  3. Separators: individual storage capacity of various cyclones, tanks, or boxes (cubic feet).
  4. Filters:
    - (a) Net filter area (square inches)
    - (b) Material description
  5. Vacuum pump (blower):
    - (a) RPM
    - (b) Horsepower
    - (c) Quantity of air flow during normal operations (cubic feet per minute)
    - (d) Head during normal operation (inches of mercury)

- (e) Characteristic curve (graphical and/or tabular)
- 6. Vacuum pump motor
  - (a) RPM
  - (b) Horsepower
- 7. Relief Valve Setting (inches Hg)
- D. Individual detail drawings of the items listed in paragraph (C) shall be provided.
- E. A component identification list for all major components of the dust collection unit/system shall be provided. (See Enclosure 3)

#### Application for Extension of Approval

In order to identify the dust collection unit/system for which an extension of approval is requested, the following information shall be submitted:

- A. A component identification list for all major components of the revised dust collection unit/system. (See Enclosure 3)
- B. The most recent approval number or extension of approval number, whichever is applicable, for the dust collection unit/system being revised with accompanying components identification list. (See Enclosure 4)
- C. The characteristics of the revised dust collector unit/system listed in paragraph (C) under "Application for Approval" and individual detail drawings of those characteristics.

#### Application for Certificates of Performance

- A. A certificate of performance will be granted only to manufacturers of dust collection systems as stated in Section 33.9 of Part 33. Individual parts of dust collection systems will not be certified for performance. Extensions of a performance certificate will be granted for changes to dust collection systems that were previously performance certified.

- B. The information required to evaluate a dust collection system for a performance certificate and for an extension of performance certificate is that information listed under "Application for Approval" and "Application for Extension of Approval."

#### Notification of Approval

As described in Section 33.10, an approval letter and the appropriate engineering records list will be issued following the investigation. An approval plate design will also be included. The approval letter will contain all data to be reproduced on the permanent plate. The metal plate should closely resemble this glossy design. A typical approval plate design is shown as Enclosure 5.

By submitting applications for approval or extension with the information presented in the format suggested, applicants will simplify the procedures required to evaluate an application. The successful implementation of these administrative procedures will minimize the processing time required for approval and certifications.

All applicants are encouraged to contact the Approval and Certification Center prior to submitting an application. The Chief, Mine Equipment Branch is responsible for processing dust collector applications and can be reached at (304)547-0400, extension 411.

Applicants for Approvals, Certifications, or Acceptances:

Because all Approval and Certification actions have been computerized, we need your cooperation in identifying your application. Each application to the Approval and Certification Center must be identified by a Company Assigned Application Number.

The Company Assigned Application Number, which is selected by the applicant, must contain six (6) or fewer numeric numbers and must appear on the initial application and on all subsequent correspondence related to said application. Any application that is received without an identifying number will be returned to the sender without further action by the Approval and Certification Center.

Additional information on the Company Assigned Application Number can be obtained from the Approval and Certification Center's Office of Computer Services at the above letterhead address or by phone (304)547-0400.

Enclosure 1

Applicants for Approvals, Certifications, or Acceptances:

The Mine Safety and Health Administration, Approval and Certification Center, is revising the procedures by which fees charged for approval investigations are collected. Until these procedures can be revised, some interim administrative procedures have been implemented to improve the Center's operating efficiency.

CHECKS ARE NO LONGER REQUIRED TO BE SUBMITTED WITH AN APPLICATION. ANY CHECK RECEIVED WITH AN APPLICATION WILL BE RETURNED IMMEDIATELY TO THE SENDER.

The Mine Safety and Health Administration notifies the applicant at the completion of an approval investigation of the fee due. Included with the applicant's notification (approval letter, rejection letter, cancellation acknowledgement, extension letter, etc) is a fee disposition page that lists the fee due and instructs the applicant on the method of payment.

Upon receipt of the fee disposition page, the applicant should make out a check, payable to MSHA, for the fee due. This check should contain the Approval and Certification Center assigned PAR number which is included in the notification to the applicant.

Applicants should send their checks to:

Mine Safety and Health Administration  
Branch of Finance  
P.O. Box 25367  
Denver, Colorado 80225

This interim administrative procedure does not change the amount of fees charged for approval investigations; it only improves the method of fee collection.

Additional information on this interim administrative procedure can be obtained from the Approval and Certification Center's Office of Computer Services at the above letterhead address or by phone (304)547-0400.

Enclosure 2