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Best Practices for Dust Control in Coal Mining

By Centers for Disease Control and Preventi

CreateSpace Independent Publishing Platform. Paperback. Condition: New. This item is printed on demand. 82 pages. Dimensions: 11.0in. x 8.5in. x 0.2in. Respirable dust exposure has long been known to be a serious health threat to workers in many industries. In coal mining, overexposure to respirable coal mine dust can lead to coal workers pneumoconiosis (CWP). CWP is a lung disease that can be disabling and fatal in its most severe form. In addition, miners can be exposed to high levels of respirable silica dust, which can cause silicosis, another disabling and/or fatal lung disease. Once contracted, there is no cure for CWP or silicosis. The goal, therefore, is to limit worker exposure to respirable dust to prevent development of these diseases. The passage of the Federal Coal Mine Health and Safety Act of 1969 established respirable dust exposure limits, dust sampling requirements for inspectors and mine operators, a voluntary x-ray surveillance program to identify CWP in underground coal miners, and a benefits program to provide compensation to affected workers and their families. The tremendous human and financial costs resulting from CWP and silicosis in the U. S. underground coal mine workforce are shown by the following statistics: During 1970-2004, CWP was...



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