



Ergonomic Assessment of Musculoskeletal Risk Factors at Four Mine Sites: Underground Coal, Surface Copper, Surface Phosphate, and Underground Limestone

Department of Health and Human Services: Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health (NIOSH)



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Bibliogov, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*. This study examined musculoskeletal injury risk at four mining sites: underground coal, underground limestone, surface copper, and surface phosphate. Each site offered opportunities to investigate musculoskeletal disorder (MSD) injury risks and how those risks might be identified and categorized. The National Institute for Occupational Safety and Health (NIOSH) worked with these sites to (1) identify work activities that showed evidence of MSD injury risk, (2) examine physical risk factors that can lead to MSDs for a handful of work tasks at each site, and (3) develop a set of ideas for problem-solving to help reduce risk factors for examined work tasks. For each site, NIOSH implemented a plan that was refined over the time period of this study. The plan consisted of four steps. The first step was to use mine injury records, a musculoskeletal discomfort questionnaire, front-line supervisor interviews, and a list of management concerns to identify work groups and work activities that have significant evidence of MSD risk factors. The second step was to select work tasks for evaluation. The third step was to interview those...

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