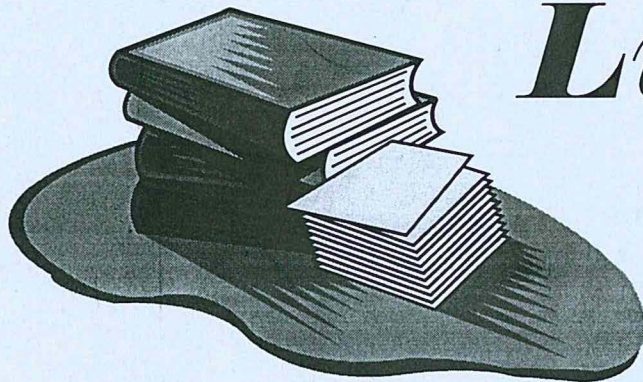




Mining Publications List



1995 - 1998



U.S. Department of Health and Human Services
Public Health Service
Centers for Disease Control and Prevention
National Institute for Occupational Safety and Health

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MINING PUBLICATION LIST

1995 - 1998

R. Larry Grayson
Associate Director
Office of Mine Safety and Health Research
National Institute for Occupational Safety and Health

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MINE SAFETY AND HEALTH

Reports of Investigations (RIs) present the results of original mining health and safety research. They describe individual, short-term studies and include the objective of the research, the materials and techniques used, and the results of tests or experiments.

Information Circulars (ICs) present information compiled and analyzed by mining health and safety researchers. They include historical and statistical data, surveys of mining and operating activities, computer program descriptions and user guides, and annotated bibliographies.

Technology News is a one-page flyer used to announce a milestone in mining health and safety research, technology ready for transfer to industry, or an opportunity for cooperative research and development.

Mining Health and Safety Update is a newsletter issued periodically on different topics to apprise readers of tangible research results and to expedite the transfer of new technologies to customers. Each section describes what is new or changed in relation to current practices or technologies in mines today.

NIOSH Numbered Publications are generated internally, by contract, or by an interagency agreement. Publications in this category include Criteria Documents (CD), alerts, Current Intelligence Bulletins (CIB), Health and Safety Guides (HSG), symposium or conference proceedings, NIOSH administrative and management reports, scientific investigations, data compilations, and worker-related booklets.

MINE SAFETY AND HEALTH

Reports of Investigations (RI's)

Barrett EA, Kowalski KM [1995]. Effective hazard recognition training using a latent-image, three-dimensional slide simulation exercise. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, RI 9527. NTIS stock number: PB95-170379.

Beus MJ, Orr TJ [1995]. Computer modeling and analysis of the Greens Creek Mine, Admiralty Island, AK. Spokane, WA: U.S. Department of the Interior, Bureau of Mines, RI 9530. NTIS stock number: PB95-176418.

Pariseau WG, Johnson JC, McDonald MM, Poad ME [1995]. Rock mechanics study of shaft stability and pillar mining, Homestake Mine, Lead, SD (in three parts): 1. Premining geomechanical modeling using UTAH2. Spokane, WA: U.S. Department of the Interior, Bureau of Mines, RI 9531. NTIS stock number: PB95-178927.

Whyatt JK, Beus MJ [1995]. In situ stress at the Lucky Friday Mine (in four parts): 1. Reanalysis of overcore measurements from 4250 level. Spokane, WA: U.S. Department of the Interior, Bureau of Mines, RI 9532. NTIS stock number: PB95-179859.

Oyler DC [1995]. A case study of shield-strata interaction at a southern Ohio mine. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, RI 9534. NTIS stock number: PB95-178901.

Smith AC, Pro RW, Lazzara CP [1995]. Performance of automatic sprinkler systems for extinguishing incipient and propagating conveyor belt fires under ventilated conditions. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, RI 9538. NTIS stock number: PB95-200879.

Yenchek MR, Schuster KC, Hudson AJ [1995]. Operational characteristics of trailing cable splices. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, RI 9540. NTIS stock number: PB95-209227.

Ruff TM [1995]. Teleoperation of a compact loader-tramper. Spokane, WA: U.S. Department of the Interior, Bureau of Mines, RI 9545. NTIS stock number: PB95-216305.

Wang RC, Shapiro DE [1995]. Bending fatigue tests on flattened strand wire rope at high working loads. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, RI 9547. NTIS stock number: PB95-216297.

Colinet JF, Spencer ER [1995]. Dust sources and controls for multiple-machine longwall faces. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, RI 9548. NTIS stock number: PB95-220141.

Edwards JC, Morrow GS [1995]. Development of coal combustion sensitivity test for smoke detectors. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, RI 9551. NTIS stock number: PB95-219648.

Timko RJ, Derick RL [1995]. Detection and control of spontaneous heating in coal mine pillars—a case study. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, RI 9553. NTIS stock number: PB95-236790.

Dubaniewicz TH Jr., Chilton JE [1995]. Optically powered remote gas monitor. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, RI 9558. NTIS stock number: PB95-236808.

Whyatt JK, Jenkins FM, Larson MK [1995]. In situ stress at the Lucky Friday Mine (in four parts): 2. Analysis of overcore measurement from 5300 level. Spokane, WA: U.S. Department of the Interior, Bureau of Mines, RI 9560. NTIS stock number: PB95-251880.

Tesarik DR, Seymour JB, Yanske TR, McKibbin RW [1995]. Stability analysis of a backfilled room-and-pillar mine. Spokane, WA: U.S. Department of the Interior, Bureau of Mines, RI 9565. NTIS stock number: PB95-251872.

Peterson JS [1995]. Influence of environmental factors on spark ignition probability. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, RI 9566. NTIS stock number: PB95-269800.

Whyatt JK, Beus MJ, Larson MK [1995]. In situ stress at the Lucky Friday Mine (in four parts): 3. Reanalysis of overcore measurements from the Star Mine. Spokane, WA: U.S. Department of the Interior, Bureau of Mines, RI 9567. NTIS stock number: PB95-271276.

Turin FC et al. [1995]. Human factors analysis of roof bolting hazards in underground coal mines. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, RI 9568. NTIS stock number: PB95-274411.

Perzak FJ, Litton CD, Mura KE, Lazzara CP [1995]. Hazards of conveyor belt fires. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, RI 9570. NTIS stock number: PB95-264792.

- Conti RS, Litton CD [1995]. A comparison of mine fire sensors. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, RI 9572. NTIS stock number: PB96-115233.
- Clark CC, Vickery JD, Backer RR [1995]. Transport of total tailings paste backfill: results of full-scale pipe test loop pumping tests. Spokane, WA: U.S. Department of the Interior, Bureau of Mines, RI 9573. NTIS stock number: PB96-118898.
- Pariseau WG, Johnson JC, McDonald MM, Poad ME [1995]. Rock mechanics study of shaft stability and pillar mining, Homestake Mine, Lead, SD (in three parts): 2. Mine measurements and confirmation of premining results. Spokane, WA: U.S. Department of the Interior, Bureau of Mines, RI 9576. NTIS stock number: PB96-107081.
- Whyatt JK, Williams TJ, Blake W [1995]. In situ stress at the Lucky Friday Mine (in four parts): 4. Characterization of mine in situ stress field. Spokane, WA: U.S. Department of the Interior, Bureau of Mines, RI 9582. NTIS stock number PB96-131685.
- Vaught C, Fotta B, Wiehagen WJ, Conti RS, Fowkes RS [1996]. A profile of workers' experience and preparedness in responding to underground mine fires. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, RI 9584. NTIS stock number: PB96-147848.
- Miron Y [1995]. Gel sealants for the mitigation of spontaneous heatings in coal mines. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, RI 9585. NTIS stock number: PB96-131966.
- Edwards JC, Morrow GS [1995]. Evaluation of smoke detectors for mining use. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, RI 9586. NTIS stock number: PB96-128566.
- DuCarme JP, Jaspal JS, Kwitowski AJ [1996]. New techniques for mining thin-seam mountaintop coal reserves. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, RI 9595. NTIS stock number: PB96-147863.
- Cecala AB, Timko RJ, Prokop AE [1995]. Reducing respirable dust levels during bag conveying and stacking using bag and belt cleaner device. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, RI 9596. NTIS stock number: PB96-135470.
- Beus MJ, Orr TJ, Whyatt JK [1996]. Application of field measurements and computer modeling to evaluate deep mine shaft stability in northern Idaho. Spokane, WA: U.S. Department of the Interior, Bureau of Mines, RI 9600. NTIS stock number: PB96-140181.
- Orr TJ, Beus MJ [1996]. Real-time monitoring of field measurements for mine design: Greens Creek Mine, Admiralty Island, Alaska. Spokane, WA: U.S. Department of the Interior, Bureau of Mines, RI 9613. NTIS stock number: PB96-144183.
- Weiss ES, Conti RS, Bazala EM, Pro RW [1996]. Inflatable devices for use in combating underground mine fires. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, RI 9614. NTIS stock number: PB96-162367.
- Colinet JF, Jankowski RA [1996]. Dust control considerations for deep-cut mining when utilizing exhaust ventilation and a scrubber. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, RI 9615. NTIS stock number: PB96-147798.
- Organiscak JA, Page SJ [1996]. Assessment of airborne dust generated from small truck-mounted rock drills. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, RI 9616. NTIS stock number: PB96-155098.
- Pariseau WG, Johnson JC, McDonald MM, Poad ME [1996]. Rock mechanics study of shaft stability and pillar mining, Homestake Mine, Lead, SD (in three parts): 3. Geomechanical monitoring and modeling using UTAH3. Spokane, WA: U.S. Department of the Interior, Bureau of Mines, RI 9618. NTIS stock number: PB96-144217.
- Whyatt JK, White BG, Johnson JC [1996]. Strength and deformation properties of belt strata, Coeur d'Alene mining district, ID. Spokane, WA: U.S. Department of the Interior, Bureau of Mines, RI 9619. NTIS stock number PB96-159009.
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- Edwards JC, Friel GF [1996]. Comparative in-mine evaluation of carbon monoxide and smoke detectors. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, RI 9622. NTIS stock number: PB96-165188.
- Spencer ER, Kovscek PD, Fields KG [1996]. Design and demonstration of a continuous dust control parameter monitoring system. Pittsburgh, PA: U.S. Department of Energy, RI 9623. NTIS stock number: PB96-188156.

Friel GF, Edwards JC [1996]. Mine fire detection by ultrasonic ranging systems. Pittsburgh, PA: U.S. Department of Energy, RI 9624. NTIS stock number: PB96-188149.

Molinda GM, Monaghan WD, Mowrey GL, Persetic GF [1996]. Using ground penetrating radar for roof hazard detection in underground mines. Pittsburgh, PA: U.S. Department of Energy, RI 9625. NTIS stock number: PB96-188123.

De Rosa MI [1996]. A 20-liter furnace test method to determine the combustion gas toxicity of conveyor belts. Pittsburgh, PA: U.S. Department of Energy, RI 9626. NTIS stock number: PB96-202619.

Goodman GVR, Spencer ER [1996]. Evaluation of techniques for protecting dust sampling equipment in harsh environments. Pittsburgh, PA: U.S. Department of Energy, RI 9627. NTIS stock number: PB96-210810.

Lucci CE [1996]. Moisture-corrected reflectance rock dust meter. Pittsburgh, PA: U.S. Department of Energy, RI 9630. NTIS stock number: PB96-215017.

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Weiss ES, Slivensky WA, Schultz MJ, Stephan CR, Jackson KW [1996]. Evaluation of polymer construction material and water trap designs for underground coal mine seals. Pittsburgh, PA: U.S. Department of Energy, RI 9634. NTIS stock number: PB96-123392.

Kyriazi N, Shubilla JP [1996]. Self-contained self-rescuer field evaluation: fifth-phase results. Pittsburgh, PA: U.S. Department of Energy, RI 9635. NTIS stock number: PB97-124937.

Tesarik DR, Seymour JB, Lane WL [1996]. Material properties of retested specimens composed of tailings, cement, and blast-furnace slag. Spokane, WA: U.S. Department of Energy, RI 9636. NTIS stock number: PB97-133276.

Beus MJ, Ruff TM [1997]. Development of a mine hoist and ore pass research facility. Spokane, WA: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 97-134, RI 9637.

Yenchek MR, Cawley JC, Peterson JS, Kohler JL [1997]. Distinguishing motor starts from short circuits through

phase-angle measurements. Pittsburgh, PA: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 97-120, RI 9638.

Peterson JS, Cole GP [1997]. Detection of downed trolley lines using arc signature analysis. Pittsburgh, PA: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 97-123, RI 9639.

Franks RA, Opferman JJ, Friel GF, Edwards JC [1997]. A second-generation remote optical methanometer. Pittsburgh, PA: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 97-126, RI 9640.

Conti RS, Yewen RG [1997]. Evaluation of a signaling and warning system for underground mines. Pittsburgh, PA: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 97-127, RI 9641.

Schiffbauer WH [1997]. Accurate navigation and control of continuous mining machines for coal mining. Pittsburgh, PA: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 98-101, RI 9642.

Cortese RA, Perlee HE [1998]. Full-scale testing of the float dust deposition meter. Pittsburgh, PA: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 98-139, RI 9643.

Wang RC, Miscoe AJ, McKewan WM [1998]. Model for the structure of round-strand wire ropes. Pittsburgh, PA: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 98-148, RI 9644.

Information Circulars (IC's)

Ambrose DH [1995]. Computer graphics simulations comparing reduced exposure mining equipment—shuttle cars versus continuous haulage systems. Pittsburgh, PA: U.S.

Department of the Interior, Bureau of Mines, IC 9418. NTIS stock number: PB95-170643.

Perdue CW, Kowalski KM, Barrett EA [1995]. Hazard recognition in mining: a psychological perspective. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, IC 9422. NTIS stock number: PB95-220844.

Rethi LL, Burns KL [1995]. Comparison of small mines and small businesses: health and safety barriers and intervention strategies. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, IC 9423. NTIS stock number: PB95-181376.

Maksimovic SD, Mowrey GL [1995]. Evaluation of several natural gamma radiation systems—a preliminary study. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, IC 9434. NTIS stock number: PB96-128608.

Kissell FN [1995]. How to control air contaminants during tunnel construction. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, IC 9439. NTIS stock number: PB96-147558.

Dobroski H Jr., Stephan CR, Conti RS [1996]. Historical summary of coal mine explosions in the United States, 1981 to 1994. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, IC 9440. NTIS stock number: PB96-154687.

Martin LA, Girard JM, Goris JM [1996]. Installation and safety practices for cable bolts in underground mines. Spokane, WA: U.S. Department of the Interior, Bureau of Mines, IC 9441. NTIS stock number: PB96-140165.

Molinda GM, Mark C [1996]. Rating the strength of coal mine roof rocks. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, IC 9444. NTIS stock number: PB96-155072.

Mark C, Tuchman RJ, comp. [1997]. Proceedings: New technology for ground control in retreat mining. Pittsburgh, PA: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 97-122, IC 9446.

Fotta B, Mallett LG [1997]. Effects of mining height on injury rates in U.S. underground nonlongwall bituminous coal mines. Pittsburgh, PA: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 98-104, IC 9447.

Technology News

U.S. Bureau of Mines [1995]. Updated analysis of longwall pillar stability (ALPS) computer program incorporates new coal mine roof rating (CMRR). Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, Technology News 445.

U.S. Bureau of Mines [1995]. Dust collector discharge shroud reduces dust exposure to drill operators at surface coal mines. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, Technology News 447.

U.S. Bureau of Mines [1995]. Improving the performance of longwall gob gas ventholes. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, Technology News 448.

U.S. Bureau of Mines [1995]. LAYOUT: a bump hazard assessment model. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, Technology News 452.

U.S. Bureau of Mines [1996]. Navigation and control of continuous mining systems for coal mining. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, Technology News 453.

NIOSH [1997]. Technology News 455: Roof hazard alert modules. Pittsburgh, PA: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health.

NIOSH [1997]. Technology News 456: A fault detection neural network for dc trolley system protection. Pittsburgh, PA: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health.

NIOSH [1997]. Technology News 457: Online access of mining health and safety research via the Common Information Service System (CISS). Pittsburgh, PA: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health.

NIOSH [1997]. Technology News 458: Development of a research facility to improve mine hoisting and ore pass safety. Spokane, WA: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health.

NIOSH [1997]. Technology News 459: Ergonomic seat reduces shock for low-seam shuttle car operators. Pittsburgh, PA: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health.

NIOSH [1997]. Technology News 460: Prototype borehole miner selectively extracts gold from permafrost. Spokane, WA: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health.

NIOSH [1997]. Technology News 461: Coal dust explosibility meter. Pittsburgh, PA: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health.

NIOSH [1997]. Technology News 462: Ground penetrating radar for highwall guidance. Pittsburgh, PA: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health.

NIOSH [1997]. Technology News 463: Machine-mounted continuous respirable dust monitor. Pittsburgh, PA: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health.

NIOSH [1997]. Technology News 464: Analysis of retreat mining pillar stability (ARMPS): version 4.0 for Windows. Pittsburgh, PA: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health.

NIOSH [1997]. Technology News 465: Method for predicting methane emissions on extended longwall faces. Pittsburgh, PA: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health.

NIOSH [1997]. Technology News 466: Use of seismic tomography to identify geologic hazards in underground mines. Spokane, WA: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health.

NIOSH [1997]. Technology News 467: Wood crib performance model. Pittsburgh, PA: U.S. Department of Health and Human Services, Public Health Service, Centers for

Disease Control and Prevention, National Institute for Occupational Safety and Health.

NIOSH [1997]. Technology News 468: Tests for Doppler radar technology for haulage truck backup alarms. Spokane, WA: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health.

NIOSH [1998]. Technology News 471: Innovative hazard recognition training for underground limestone miners. Pittsburgh, PA: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health.

NIOSH [1998]. Technology News 472: Ventilation of a 40-foot, two-pass, extended cut. Pittsburgh, PA: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health.

NIOSH [1998]. Technology News 473: The explosion hazard from hydrogen gas generation inside sealed frames. Pittsburgh, PA: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health.

NIOSH [1998]. Technology News 474: A passive means to detect hot trolley insulators. Pittsburgh, PA: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health.

NIOSH [1998]. Technology News 475: Roof monitoring safety system for underground stone mines. Pittsburgh, PA: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health.

Special Publications

Maleki H, Wopat PF, Repsher RC, Tuchman RJ, eds. [1995]. Proceedings: Mechanics and Mitigation of Violent Failure in Coal and Hard-Rock Mines. Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, Special Publication 01-95. May be ordered from the National Technical Information Service (NTIS), 5285 Port Royal Rd., Springfield, VA 22161; phone (703) 487-4650; fax (703) 321-8547. Please specify the following NTIS stock number when ordering: PB95-211967.

U.S. Bureau of Mines [1995]. Lake Lynn Laboratory (brochure). Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, Special Publication 08-95. Free copy

available from Beth L. Gilmore, NIOSH Pittsburgh Research Center, phone (412) 892-6554, e-mail: bcg5@cdc.gov

U.S. Bureau of Mines [1995]. *This Is Mining...* Pittsburgh, PA: U.S. Department of the Interior, Bureau of Mines, Special Publication 07-95. Free copy available from Rose Ann Crotsley, NIOSH Pittsburgh Research Center, phone (412) 892-6609, e-mail: rkc6@cdc.gov

Dissertations

Iannacchione AT [1997]. Shear strength of saturated clays with floating rock particles [Dissertation]. Pittsburgh, PA: University of Pittsburgh, School of Engineering.

Bauer ER [1998]. The impact of extended depth-of-cut mining on coal mine ground control and worker safety [Dissertation]. University Park, PA: The Pennsylvania State University, Department of Mining Engineering.

Heasley KA [1998]. Numerical modeling of coal mines with a laminated displacement-discontinuity code [Dissertation]. Golden, CO: Colorado School of Mines, Department of Mining and Earth Systems Engineering.

Mallett LG [1998]. Groups in emergency situations: behavior and interaction during escapes from mine fires [Dissertation]. Lexington, KY: University of Kentucky, Department of Sociology.

Mining Health and Safety Update

U.S. Department of Energy [1996]. Mining health and safety update, *March issue* (focus on ground control).

U.S. Department of Energy [1996]. Mining health and safety update, *August issue* (focus on human factors).

NIOSH [1997]. Mining health and safety update, Vol. 2, No. 1 (focus on human factors, fires and explosions, life support, equipment safety).

NIOSH [1997]. Mining health and safety update, Vol. 2, No. 2 (focus on haulage, disaster prevention, ground control).

NIOSH [1998]. Mining health and safety update. Vol. 3, No. 1. Pittsburgh, PA: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health. (This issue's focus is on training and work design).

Flyers

NIOSH [1998]. Common Information Service System (CISS) (flyer). Pittsburgh, PA: U.S. Department of Health and

Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 98-127.

NIOSH [1998]. The Experimental Mine and the Safety Research Coal Mine (flyer). Pittsburgh, PA: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health.

NIOSH [1998]. Mining Surveillance Statistics and Research Support Activity (flyer). Pittsburgh, PA: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 98-130.

NIOSH [1998]. National Institute for Occupational Safety and Health, Pittsburgh Research Laboratory (flyer). Pittsburgh, PA: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health.

Hazard Identification (Hazard ID)

NIOSH [1997]. Hazard Identification 1: Exposure to silica dust on continuous mining operations using flooded-bed scrubbers. Pittsburgh, PA: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health.

Outside Papers

(This category includes articles and papers published in peer-reviewed/referee journals, conference proceedings, etc.)

Ambrose DH [1995]. Comparing mining techniques and equipment using computer graphics simulation. In: Ozdemir L, Hanna K, eds. Proceedings of the Third International Symposium on Mine Mechanization and Automation. Vol. 1. Golden, CO: Colorado School of Mines, pp. 6-1 to 6-12.

Ambrose DH [1996]. Solid modeling simulations used as an alternative method to study safety issues in mine elevator/hoist systems. In: Proceedings of MINESIM '96 -First International Symposium on Mine Simulation. Athens, Greece: CD-ROM, 13 pp.

Ambrose DH [1997]. Mining equipment safety analysis using computer modeling research tools [Abstract]. In: Abstracts - National Occupational Injury Research Symposium '97. Morgantown, WV: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, p. 45.

- Anderson D [1996]. Computers in geology, geometry, planning, training, communications: mine mapping, modeling, and visualization systems. *Engineering and Mining J* 197(7) 34-35.
- Barczak TM, Gearhart DF [1995]. Renewed interest in prop supports as a replacement for wood cribs. In: Peng SS, ed. *Proceedings of the 14th International Conference on Ground Control in Mining*. Morgantown, WV: West Virginia University, pp. 149-158.
- Barczak TM, Wilson JW [1995]. Practical solutions to offset the deficiencies and price of mine timber. In: Daemen JJK, Schultz RA, eds. *Proceedings of the 35th U.S. Symposium on Rock Mechanics*. Lake Tahoe, NV.
- Barczak TM, Gearhart DF [1996]. Shield evaluation and performance testing at the USBM's strategic structures testing laboratory. In: *Proceedings of Longwall USA*. Pittsburgh, PA: pp. 189-205.
- Barczak TM, Molinda GM [1996]. Innovative secondary support technologies for western mines. In: Ozdemir L, Hanna K, Haramy KY, Peng S, eds. *Proceedings of the 15th International Conference on Ground Control in Mining*. Golden, CO: Colorado School of Mines.
- Barczak TM, Zelanko JC, Molinda GM [1996]. Innovative secondary support systems for gate roads. In: *Proceedings of Longwall USA*. Pittsburgh, PA: pp. 21-43.
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