

Attachment 1 –

Authorizing Authority- Federal Mine Safety and Health Act of 1977, Sections 203, “Medical Examinations” and 501, "Research"

## MEDICAL EXAMINATIONS

SEC. 203. (a) The operator of a coal mine shall cooperate with the Secretary of Health, Education, and Welfare in making available to each miner working in a coal mine the opportunity to have a chest roentgenogram within eighteen months after the date of enactment of this Act, a second chest roentgenogram within three years thereafter, and subsequent chest roentgenograms at such intervals thereafter of not to exceed five years as the Secretary of Health, Education, and Welfare prescribes. Each worker who begins work in a coal mine for the first time shall be given, as soon as possible after commencement of his employment, and again three years later if he is still engaged in coal mining, a chest roentgenogram; and in the event the second such chest roentgenogram shows evidence of the development of pneumoconiosis the worker shall be given, two years later if he is still engaged in coal mining, an additional chest roentgenogram. All chest roentgenograms shall be given in accordance with specifications prescribed by the Secretary of Health, Education, and Welfare and shall be supplemented by such other tests as the Secretary of Health, Education, and Welfare deems necessary. The films shall be read and classified in a manner to be prescribed by the Secretary of Health, Education, and Welfare and the results of each reading on each such person and of such tests shall be submitted to the Secretary and to the Secretary of Health, Education, and Welfare, and, at the request of the miner, to his physician. The Secretary shall also submit such results to such miner and advise him of his rights under this Act related thereto. Such specifications, readings, classifications, and tests shall, to the greatest degree possible, be uniform for all coal mines and miners in such mines.

(b)(1) On and after the operative date of this title, any miner who, in the judgment of the Secretary of Health, Education, and Welfare based upon such reading or other medical examinations, shows evidence of the development of pneumoconiosis shall be afforded the option of transferring from his position to another position in any area of the mine, for such period or periods as may be necessary to prevent further development of such disease, where the concentration of respirable dust in the mine atmosphere is not more than 2.0 milligrams of dust per cubic meter of air.

(2) Effective three years after the date of enactment of this Act, any miner who, in the judgment of the Secretary of Health, Education, and Welfare based upon such reading or other medical examinations, shows evidence of the development of pneumoconiosis shall be afforded the option of transferring from his position to another position in any area of the mine, for such period or periods as may be necessary to prevent further development of such disease, where the concentration of respirable dust in the mine atmosphere is not more than 1.0 milligrams of dust per cubic meter of air, or if such level is not attainable in such mine, to a position in such mine where the concentration of respirable dust is the lowest attainable below 2.0 milligrams per cubic meter of air.

(3) Any miner so transferred shall receive compensation for such work at not less than the regular rate of pay received by him immediately prior to his transfer.

(c) No payment may be required of any miner in connection with any examination or test given him pursuant to this title. Where such examinations or tests cannot be given, due to the lack of adequate medical or other necessary facilities or personnel, in the locality where the miner resides, arrangements shall be made to have them conducted, in accordance with the provisions of this title, in such locality by the Secretary of Health, Education, and Welfare, or by an appropriate person, agency, or institution, public or private, under an agreement or arrangement between the Secretary of Health, Education, and Welfare and such person, agency, or institution. The operator of the mine shall reimburse the Secretary of Health, Education, and Welfare, or such person, agency, or institution, as the case may be, for the cost of conducting each examination or test made, in accordance with this title, and shall pay whatever other costs are necessary to enable the miner to take such examinations or tests.

(d) If the death of any active miner occurs in any coal mine, or if the death of any active or inactive miner occurs in any other place, the Secretary of Health, Education, and Welfare is authorized to provide for an autopsy to be performed on such miner, with the consent of his surviving widow or, if he

has no such widow, then with the consent of his surviving next of kin. The results of such autopsy shall be submitted to the Secretary of Health, Education, and Welfare and, with the consent of such survivor, to the miner's physician or other interested person. Such autopsy shall be paid for by the Secretary of Health, Education, and Welfare.

## TITLE V--ADMINISTRATION RESEARCH

SEC. 501. (a) The Secretary of the Interior and the Secretary of Health, Education, and Welfare, as appropriate, shall conduct such studies, research, experiments, and demonstrations as may be appropriate--

- (1) to improve working conditions and practices in coal or other mines, and to prevent accidents and occupational diseases originating in the coal or other mining industry;
  - (2) to develop new or improved methods of recovering persons in coal or other mines after an accident;
  - (3) to develop new or improved means and methods of communication from the surface to the underground area of a coal or other mine;
  - (4) to develop new or improved means and methods of reducing concentrations of respirable dust in the mine atmosphere of active workings of the coal or other mine;
  - (5) to develop epidemiological information to (A) identify and define positive factors involved in occupational diseases of miners, (B) provide information on the incidence and prevalence of pneumoconiosis and other respiratory ailments of miners, and (C) improve mandatory health standards;
  - (6) to develop techniques for the prevention and control of occupational diseases of miners, including tests for hypersusceptibility and early detection;
  - (7) to evaluate the effect on bodily impairment and occupational disability of miners afflicted with an occupational disease;
  - (8) to prepare and publish from time to time, reports on all significant aspects of occupational diseases of miners as well as on the medical aspects of injuries, other than diseases, which are revealed by the research carried on pursuant to this subsection;
  - (9) to study the relationship between coal or other mine environments and occupational diseases of miners;
  - (10) to develop new and improved underground equipment and other sources of power for such equipment which will provide greater safety;
  - (11) to determine, upon the written request by any operator or authorized representative of miners, specifying with reasonable particularity the grounds upon which such request is made, whether any substance normally found in a coal or other mine has potentially toxic effects in the concentrations normally found in the coal or other mine or whether any physical agents or equipment found or used in a coal or other mine has potentially hazardous effects, and shall submit such determinations to both the operators and miners as soon as possible; and
  - (12) for such other purposes as they deem necessary to carry out the purposes of this Act.
- (b) Activities under this section in the field of coal or other mine health shall be carried out by the Secretary of Health, Education, and Welfare through the National Institute for Occupational Safety and Health established under the Occupational Safety and Health Act of 1970, and activities under this section in the field of coal or other mine safety shall be carried out by the Secretary of the Interior in coordination with the Secretary.
- (c) In carrying out the provisions for research, demonstrations, experiments, studies, training, and education under this section and sections 301(b) and 502(a) of this Act, the Secretary of the Interior and the Secretary of Health, Education, and Welfare in coordination with the Secretary may enter into contracts with, and make grants to, public and private agencies and organizations and individuals. No research, demonstrations, or experiments shall be carried out, contracted for, sponsored, cosponsored, or

authorized under authority of this Act, unless all information, uses, products, processes, patents, and other developments resulting from such research, demonstrations, or experiments will (with such exception and limitation, if any, as the Secretary of the Interior or the Secretary of Health, Education, and Welfare in coordination with the Secretary may find to be necessary in the public interest) be available to the general public.

(d) The Secretary of Health, Education, and Welfare shall also conduct studies and research into matters involving the protection of life and the prevention of diseases in connection with persons, who although not miners, work with, or around the products of, coal or other mines in areas outside of such mines and under conditions which may adversely affect the health and well-being of such persons.

(e) There is authorized to be appropriated to the Secretary of the Interior such sums as may be necessary to carry out his responsibilities under this section and section 301(b) of this Act at an annual rate of not to exceed \$20,000,000 for the fiscal year ending June 30, 1970, \$25,000,000 for the fiscal year ending June 30, 1971, and \$60,000,000 for the fiscal year ending June 30, 1972, and for each succeeding fiscal year thereafter. There is authorized to be appropriated annually to the Secretary of Health, Education, and Welfare such sums as may be necessary to carry out his responsibilities under this Act. Such sums shall remain available until expended.

(f) The Secretary is authorized to grant on a mine-by-mine basis an exception to any mandatory health or safety standard under this Act for the purpose of permitting, under such terms and conditions as he may prescribe, accredited educational institutions the opportunity for experimenting with new and improved techniques and equipment to improve the health and safety of miners. No such exception shall be granted unless the Secretary finds that the granting of the exception will not adversely affect the health and safety of miners and publishes his findings.

(g) The Secretary of Health, Education, and Welfare is authorized to make grants to any public or private agency, institution, or organization, and operators or individuals for research and experiments to develop effective respiratory equipment.