

MINERAL OPERATIONS SPECIALIST

KIND OF WORK

Highly difficult technical mining engineering work.

NATURE AND PURPOSE

An employee in this class is responsible for utilizing para-professional engineering knowledge and skills to ensure compliance with state mineral leases by mining companies. Assignments are in terms of objectives and the employee has considerable freedom to act within stipulated guidelines. Periodic verbal and written reports are made to the supervising engineer to discuss problems, progress, and accomplishments.

EXAMPLES OF WORK (A position may not include all the work examples given, nor does the list include all that may be assigned.)

Conducts regular field inspections of mine sites to ensure adherence to conditions of state leases.

Monitors mineral lease line crossings during and after regular scheduled working hours to ensure proper accounting and disposition of ore materials.

Computes and verifies tonnages of ore materials by lease so the state will receive an equitable accounting for royalty payments.

Conducts inspections of track scales to ensure the scale is free of foreign matter.

Performs inspections, tests, and calibrations on all applicable weighing equipment, determining accuracy and adjustment required so that scales are maintained in an accurate weighing condition.

Checks all phases of the mining plant operator's computer-based grading, scheduling, and tonnage accounting system to ensure accuracy, reliability, and relevancy of data input and output.

Determines allocation of materials developed during the mining operation including requiring the necessary tests to evaluate grade and quality of materials and location of stock pile deposits so the state's mineral resources are properly managed.

Participates as state party chief on joint property line and subdivision surveys so that accurate control is developed in the pit areas.

Performs related work as required.

KNOWLEDGE, SKILLS AND ABILITIES REQUIRED

Knowledge of:

Extensive knowledge of ores and technical mining engineering practices.

Knowledge of geology as it relates to minerals within a project area.

Knowledge of mining lease terms and requirements.

Knowledge of the function and adjustments of ore weighing equipment.

Skill in:

Skill in highly difficult technical mining engineering design and field survey.

Skill in the use of engineering field, office and laboratory instruments.

Ability to:

Ability to communicate effectively verbally and in writing.

Est.: 6/81
Rev.:

T.C.: 8/90
Former Title(s): Mineral
Operations
Technician