

ILLINOIS DEPARTMENT OF CENTRAL MANAGEMENT SERVICES  
CLASS SPECIFICATION

BLASTING SUPERVISOR

POSITION CODE: 04730  
Effective: 12-1-2012

DISTINGUISHING FEATURES OF WORK:

Under administrative direction functions as working supervisor of field operations for the statewide program complying with the Surface Coal Mining Land Conservation and Reclamation Act, the Surface Mined Land Conservation and Reclamation Act and the Illinois Explosives Act; oversees permitting, inspection, and enforcement of surface mine blasting, explosive storage and handling, and non-coal mine reclamation' assists with budget matters.

ILLUSTRATIVE EXAMPLES OF WORK:

1. As a working supervisor, assigns and reviews work; provides guidance and training to assigned staff; counsels staff regarding work performance; reassigns staff to meet day-to-day operating needs; establishes annual goals and objectives; approves time off; prepares and signs performance evaluations.
2. Implements and enforces compliance with statewide programs including mine blasting, explosive handling and storage, and statewide non-coal surface mine reclamation. Assist in establishing and implementing Division operational procedures and policies
3. Monitors permitting activity to ensure compliance with statutory rules and regulations.
4. Advises the regulated community, elected officials and concerned citizens on matters concerning state regulatory policies and procedures. Monitor citizen's complaints to ensure timely response.
5. Supports Division's technical expert in the administration of blasting and explosives training and certification programs and with complex field studies to determine compliance with mandatory requirements.
6. Assists Division Manager in all budget matters; gathers information regarding costs of assigned programs and staff reimbursements.
7. Installs, operates and maintains seismograph and related computer equipment; interprets readings and prepares vibration projections.

## BLASTING SUPERVISOR (Continued)

8. Formulates technical specifications and, as the department's liaison, advises mine operators and consulting engineers regarding specific blasting problems. Develops, implements and evaluates training programs on blasting operations and general safety for the mining industry. Attend training seminars and professional conferences in order to keep job related certification/licenses current.
9. Serves as coordinator and participating member of the Illinois Seismic Mine Rescue Team.
10. Serves as liaison between the Department, the Office of State Fire Marshal and the Bureau of Alcohol, Tobacco, Firearms and Explosives concerning explosive licensing and storage.
11. Performs other duties as required or assigned which are reasonably within the scope of the duties enumerated above.

### Education and Experience

Requires knowledge, skill and mental development equivalent to completion of two years of college and four years progressively responsible experience within the mining or explosives industry or a mining explosives regulatory authority.

Requires possession of a current, valid Illinois Blaster's License or Blaster's Certificate.

Requires possession of a valid, appropriate driver's license or an ability to travel.

### Knowledges, Skills and Abilities

Requires thorough knowledge of the Surface Mined Land Conservation and Reclamation and the Illinois Explosives Act.

Requires thorough knowledge of the rules and regulations promulgated by the State Mining Board regulating explosives.

Requires thorough knowledge of all other applicable federal, state, and local laws and regulations pertaining to blasting, pre-blasting, noise and vibration, projection, and monitoring.

Requires thorough knowledge of mined land reclamation practices.

Requires thorough knowledge of proper recordkeeping and reporting procedures.

Requires thorough knowledge of explosives theory, including explosive products, functioning of explosives, initiation systems, delay systems, priming techniques, and the hazards of explosives.

Requires thorough knowledge of classroom presentation, teaching methods and techniques.

Requires thorough knowledge of the instruments utilized to record and interpret blast tremors.

Requires thorough knowledge of explosives handling and storage, blasting operations, and blast monitoring techniques used in the mining industry.

Requires thorough knowledge of seismograph and equipment and its use.

Requires ability to complete explosives and blasting safety course.

Requires ability to complete blasting design course.

BLASTING SUPERVISOR (Continued)

Requires ability to enforce the provisions of the rules and regulations promulgated by the State Mining Board as they pertain to mining blasting, explosives storage and aggregate reclamation.

Requires ability to enforce all other applicable state and local laws and regulations pertaining to blasting, pre-blasting, noise and vibration, projection, and monitoring.

Requires ability to coordinate, evaluate, monitor, and check the performance of pre-blasting surveys.

Requires ability to check and verify all blasting public notices and documentation, seismograph blasting records, and certification and training of explosive uses.

Requires ability to investigate, recognize, and procure pertinent information and data.

Requires ability to recognize deficiencies and operations and coordinate corrective measures.

Requires ability to collect and assemble pertinent detailed information in law violation instances.

Requires ability to discuss blasting problems and procedures with mine operators, blasting consultants, and blasting engineers.

Requires ability to prepare complete records and comprehensive inspection or investigative reports.

Requires ability to communicate effectively both orally and in writing.

Requires ability to establish and maintain satisfactory extensive relationships with mine operators and the general public.