

ILLINOIS DEPARTMENT OF CENTRAL MANAGEMENT SERVICES
CLASS SPECIFICATION

BLASTING SPECIALIST

POSITION CODE: 04725
Effective: 12-1-2012

DISTINGUISHING FEATURES OF WORK:

Under direction, on a regional basis, ensures compliance with state law and regulations pertaining to land reclamation and explosives blasting requirements; reviews blasting applications and plans submitted by private industry; reviews variance requests; may issue citations for violations.

ILLUSTRATIVE EXAMPLES OF WORK:

1. Reviews and/or conducts pre-blast surveys and follow-up blasting and mine reclamation inspections on-site and prepares comprehensive and technical reports pursuant to applicable laws.
2. Approves or denies variance requests for conditions which deviate from standard blasting procedures.
3. Reviews and verifies all public notices and documentation of the blasting schedule, blasting area, time of blast, and blasting signals to assure compliance with appropriate regulations; coordinates public hearings and resolves complaints.
4. Reports any violation of laws, rules, and regulations relating to explosives; meets with appropriate division personnel to determine suitable course of action in enforcement cases; meets on issues of with community, state and federal government employees; works with Attorney General's Office and division staff in prosecuting enforcement cases, negotiating settlements, and following up on adjudicatory orders.
5. Assists in the planning, development, implementation and maintenance of effective training and certification programs. Conducts explosive training programs; evaluates mining industry certification and training programs for persons working with or supervising blasting operations; evaluates qualifications of instructors conducting industry training sessions; attends conferences to acquire continuing education in order to maintain a current Blaster's license or certificate.
6. Installs, operates and maintains seismograph and related computer equipment; interprets readings; prepares vibration projections.
7. Makes recommendations on the development of new legislation and regulatory proposals relating to explosives and blasting.

BLASTING SPECIALIST (Continued)

8. Prepares necessary correspondence and special reports.
9. Serves as a member of the Illinois Seismic Mine Rescue Team.
10. 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.

Requires two years of progressively responsible experience within the mining or explosives industry, or a mining or 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 extensive knowledge of explosives handling and storage, blasting operations, and blast monitoring techniques used in the mining industry.

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

Requires extensive knowledge of the rules pertaining to blasting under the Surface Coal Mining Land Conservation and Reclamation Act.

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

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

Requires working knowledge of seismograph equipment and its use.

Requires working knowledge of mined land reclamation practices.

Requires working knowledge of proper recordkeeping and reporting procedures.

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

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

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

Requires ability to complete explosives and blasting safety course.

Requires ability to complete blasting design course.

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

BLASTING SPECIALIST (Continued)

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 working relationships with mine operators and the general public.