



Career Service Authority

Power Shovel Operator

Page 1 of 5

GENERAL STATEMENT OF CLASS DUTIES

Operates large, complex specialized industrial equipment in accordance with the nature of the work and the efficiency of operations in construction, earthmoving, maintenance, and/or repair and performs light to heavy physical labor.

DISTINGUISHING CHARACTERISTICS

This class is the fourth level of four classes in the equipment operations series. This class operates vehicles at the Power Shovel Operator level that is described on CSA's Equipment List.

The General Statement of Duties for the other levels of equipment is listed below:
For descriptions and level of individual pieces of equipment, please see CSA's Official Equipment List.

Equipment Operator

Operates light to medium sized equipment in the performance of a variety of construction, maintenance and other work in combination with assigned vehicle's operation or mode of function and performs light to heavy physical labor.

Equipment Operator Specialist

Operates medium sized, specialized equipment in the performance of a variety of construction, maintenance, and other work including the use of attachments designed to perform specialized tasks in combination with the vehicle's operation or mode of function and performs light to heavy physical labor.

Heavy Equipment Operator

Operates large, heavy industrial equipment and/or semi-tractor trailer equipment which requires a substantial degree of monitoring and/or coordination of the working attachments used in construction, earthmoving, and/or hauling heavy equipment and ground and waste materials and performs light to heavy physical labor.

Power Shovel Operator

Additionally, the Power Shovel Operator is distinguished from the Crew Supervisor that supervises a crew involved in the repair and maintenance of city streets, sewers, golf courses, parks, airport facilities, traffic devices, and other City facilities/infrastructure/equipment. The Power Shovel Operator is also distinguished from the Operations Supervisor that performs supervisory duties over non-supervisory and/or working supervisory employees involved in the operation, construction, maintenance, and/or repair of City facilities, infrastructure, parks, and urban forests or in the collection and disposal of solid waste.

Guidelines, Difficulty and Decision Making Level:

Guidelines are generally in the form of stated objectives only with issues and factors largely undefined requiring the employee to exercise creativity and ingenuity in devising criteria, techniques, strategy, and methodologies for approaching assigned functions or projects.

Duties performed involve concepts, theories, and concrete factors to be evaluated and weighed requiring a high degree of analytical ability, independent judgment, and decision-making.

Work assignment is generally unstructured and employee is responsible for organizing complex, varied, and simultaneous coordination of several functions, programs, or projects in various stages of completion.

Level of Supervision Received and Quality Review:

Under general supervision, the employee receives assignments and is expected to carry them through to completion with substantial independence. Work is reviewed for adherence to instructions, accuracy, completeness, and conformance to standard practice or precedent. Recurring work clearly covered by guidelines may or may not be reviewed.

Interpersonal Communications and Purpose:

Contacts with the public or employees where explanatory or interpretive information is exchanged, defended, and gathered and discretion and judgment are required within the parameters of the job function.

Level of Supervision Exercised:

By position, performs lead work.

ESSENTIAL DUTIES

Operates large, complex specialized industrial equipment while controlling both the speed and direction of the vehicle and operations of the working attachments and adjusts level and angle of attachments in accordance with the nature of the work while regularly performing skilled work in construction, earthmoving, and/or other work related duties

Identifies equipment needs for each assigned project and ensures the safe and efficient operation of equipment and a variety of work related tools.

Inspects vehicle for loose parts, damaged or worn tires, proper air pressure in tires, and other items affecting its safe operation and completes a pre/post trip inspection as defined by federal guidelines.

Observes on-board instruments while operating equipment and takes routine corrective action if malfunctions are indicated.

Performs manual labor in construction, maintenance, and/or other work related duties when not driving equipment to or operating it at the work site.

Assists in preventative maintenance of equipment by washing and servicing vehicles with water, oil, and fuel, performs basic maintenance, and makes minor running repairs.

Keeps trip records and logs, reports defects in the vehicles operations, accidents, traffic violations, or damage to the vehicle.

Responds to public inquiries in a courteous manner and provides information within the area of assignment.

By position, participates in snow removal duties.

By position, provides training to less experienced employees.

Performs other related duties as assigned.

Any one position may not include all of the duties listed. However, the allocation of positions will be determined by the amount of time spent in performing the essential duties listed above.

MINIMUM QUALIFICATIONS

Competencies, Knowledge, & Skills:

Building and Construction – Knowledge of materials, methods, and the appropriate tools to construct objects, structures, and buildings.

Road Work and Pavement – Knowledge of materials, methods, and appropriate tools to construct, maintain, or repair road surfaces including sidewalks, parking lots, runways, etc.

Industrial Equipment Operation – Knowledge of principles and methods for operating industrial equipment.

Vehicle Maintenance – Knowledge of motor vehicle engines, parts, and systems including their designs, uses, repair, and maintenance.

Mechanical – Knowledge of machines and tools including their designs, installation, uses, repair, and maintenance.

Reading - Learns from written material by determining the main idea or essential message and recognizes correct English grammar, punctuation, and spelling.

Writing - Uses correct English grammar, punctuation, and spelling to communicate thoughts, ideas, information, and messages in writing.

Mathematical Reasoning – Solves practical problems by choosing appropriately from a variety of mathematical and statistical techniques.

Oral Communication - Expresses ideas and facts to individuals or groups effectively, makes clear and convincing oral presentations, listens to others, and facilitates an open exchange of ideas.

Teamwork – Encourages and facilitates cooperation, pride, trust, and group identity, fosters commitment and team spirit, and works with others to achieve goals.

Diversity – Is sensitive to cultural diversity, race, gender, and other individual differences in the workforce.

Customer Service - Works and communicates with clients and customers to satisfy their expectations and is committed to quality services.

Leadership – Influences, motivates, and challenges others; adapts leadership style to a variety of situations.

Knowledge of safety hazards and necessary safety precautions sufficient to be able to establish safe work environment for self and others.

Physical Demands (Physical Demands are a general guide and specific positions will vary based on working conditions, locations, and agency/department needs):

Eye/Hand/Foot Coordination: performing work through using two or more.

Repetitive Motions: making frequent movements with a part of the body.

Feeling: perceiving attributes of objects by means of skin receptors.

Lifting: raising or lowering an object of more than 50 pounds from one level to another.

Standing: remaining on one's feet in an upright position.

Sitting: remaining in the normal seated position.

Climbing: ascending or descending objects usually with hands/feet.

Walking: moving about on foot.

Carrying: transporting an object usually by hand, arm, or shoulder.

Pushing: exerting force upon an object so that the object is away.

Pulling: exerting force on an object so that it is moving to the person.

Balancing: maintaining body equilibrium to prevent falling over.

Stooping: bending the body by bending spine at the waist.

Kneeling: bending legs to come to rest on one or both knees.

Crouching: bending body downward and forward by bending legs.

Crawling: moving about on hands and knees or hands and feet.

Reaching: extending the hand(s) and arm(s) in any direction.

Handling: seizing, holding, grasping, or otherwise working with hands.

Fingering: picking, pinching, or otherwise working with fingers.

Talking: expressing or exchanging ideas by means of spoken words.

Hearing: perceiving the nature of sounds by the ear.

Far Acuity: ability to see clearly at 20 feet or more.

Near Acuity: ability to see clearly at 20 inches or less.

Depth Perception: ability to judge distance and space relationships.

Field of Vision: ability to see peripherally.

Accommodation: ability to adjust vision to bring objects into focus.

Color Vision: ability to distinguish and identify different colors.

Agility: bends, stretches, twists, or reaches out with the body, arms, or legs.

Stamina: exerts oneself physically over long periods of time without tiring (which may include performing repetitive tasks such as hammering or lifting objects).

Physical Strength: exerts maximum muscle force to lift, push, pull, or carry objects and performs moderately laboring work.

Working Environment:

Exposure to: hazards from elector/mechanical/power equipment.

Exposure to: temperature changes and variations in temperature from hot to cold.

Exposure to: contact with water or other liquids.

Subject to: long irregular hours.

Subject to: many interruptions.

Subject to: injury from moving parts of equipment

Subject to: hazards from flammable and explosive gases.

Subject to: works in precarious or high locations (ladders, scaffolding etc.).

Education Requirement:

Graduation from high school or possession of a GED Certificate.

Experience Requirement:

Two years of experience operating equipment at the Equipment Operator Specialist level, Heavy Equipment Operator level, or Heavy Equipment Service Technician level assigned to a piece of Power Shovel Operator equipment.

OR

One year of experience operating equipment at the Power Shovel Operator level

OR

700 hours of Power Shovel Operator differential.

Licensure and/or Certification:

Requires a Class-B Commercial Driver's License with appropriate endorsements.

By position, requires a Class-A Commercial Driver's License with appropriate endorsements.

Requires Air Brake (L) endorsement.

License(s) must be kept current as a condition of employment.

CLASS DETAIL

FLSA CODE: Non-Exempt

ESTABLISHED DATE: 9/16/1995

REVISED DATE: 06/19/2011

REVISED BY: Patricia Anderson

CLASS HISTORY
7/2009 - This class was revised, updated, and placed into the new class specification format.
5/2010 – The Physical Demands and Working Environment sections were updated.
6/2011 - Class specification was rewritten and updated as part of the Labor Study.