

HEAVY EQUIPMENT OPERATOR

GENERAL DESCRIPTION:

Under the general supervision of the Solid Waste Forman and the limited supervision of the Solid Waste Superintendent, operates all refuse collection and transport equipment, including the knuckleboom crane and the dumping trailers.

ESSENTIAL FUNCTIONS:

- Operates the knuckleboom crane in the removal of large, heavy, or incompressible items of refuse such as dead trees and stumps.
- Operates all trucks employed in the collection and transport of garbage, metal, leaves and clippings, bulk or light refuse.
- Operates the hydraulically operated dumping trailers in hauling bulk refuse to local landfills.
- Operates the hydraulically operated scow type dumping trucks in hauling bulk items.
- Operates any other heavy or special equipment such as tractors, backhoe, chain saws, etc.
- Supervises all collectors assigned to his/her garbage, solid waste, metal, leaf, or knuckleboom crane truck; trains and supervises crew members in the operation of traffic control systems, trailer operations, packer equipment use, and safety practices under the direction/review of the Assistant Route Foreman.
- Completes daily maintenance and inspection checklist of each piece of equipment assigned such as checking for leaks, wear, adequate pressure, cleanliness, and fluid levels; performs wash down when required.
- Attends all scheduled safety programs.

EQUIPMENT, WORKING CONDITIONS, HAZARDS, PHYSICAL STRENGTH REQUIREMENTS AND PHYSICAL DEMANDS ASSOCIATED WITH WORKER ESSENTIAL FUNCTIONS:

EQUIPMENT:

Machinery/equipment used to perform Heavy Equipment Operator functions, i.e., knuckleboom crane, backhoe, scow type dumping trucks, garbage, solid waste, metal, and leaf trucks, dumping trailers, packer, weight tickets, instruction manuals, work orders, loading charts, hard-hat, steel toe shoes, safety glasses, protective clothing, steam jenny, chain saw, forks, shovels, spades, rakes, brooms, radio transmitter and receiver.

WORKING CONDITIONS:

Working inside vehicle; protection from weather. Subject to temperature changes- variations in temperature which accompany heat. Subject to noise and vibration- noise/vibration, either constant or intermittent. Subject to atmospheric conditions- one or more of the following conditions may affect the respiratory system or the skin: FUMES, ODORS, DUSTS, MISTS, GASES, or POOR VENTILATION.

HAZARDS:

Conditions or situations in which there is risk of danger to life, health, or bodily injury. Includes a variety to physical hazards and conditions, such as performing tasks in inclement weather, proximity to moving mechanical parts, electrical shock, gas line explosion, working in areas where ground is unstable, traffic, exposure to insects, and snakes.

PHYSICAL STRENGTH REQUIREMENTS:

Medium work: exerting up to 50 pounds of force occasionally, and/or up to 20 pounds of force frequently, and/or up to 10 pounds of force constantly to move objects.

PHYSICAL DEMANDS:

Seeing, near and far acuity, depth perception, field of vision, accommodation, color vision. Climbing, balancing, stooping, reaching, handling, fingering, feeling, talking, hearing.

MARGINAL FUNCTIONS:

Performs other duties as required.

KNOWLEDGE, SKILLS, AND ABILITIES:

Knowledge of the operational limitations of the knuckleboom, its size and weight limitations, and all safety measures to be taken to insure its safe and efficient operation.

Knowledge of the geography of the District.

Knowledge of the operational limitations and capacities of each piece of equipment operated in refuse collection.

Knowledge of the special hazards associated with the three dimensional use of the knuckleboom and its trailers.

Knowledge of the hazards associated with the operation of equipment used in the collection of garbage, metal, leaves, small limbs, or bulk items.

Knowledge of the South Carolina and federal traffic laws and regulations governing the operation of all vehicles involved in refuse collection.

Knowledge of the US Occupational Safety and Health Administration (OSHA) rules and regulations governing solid waste collection practices.

Ability to perform manual work requiring excellent physical condition and to exert up to 50 pounds of force throughout the work day in a variety of weather conditions.
Ability to understand, issue, and follow both oral and written instructions.
Ability to deal tactfully with the public and with colleagues.

EDUCATION, TRAINING, AND EXPERIENCE:

Completion of the tenth grade, with five (5) years experience in the operation and maintenance of heavy trucks and equipment, or the equivalent in education and experience necessary to fulfill position requirements.
Possession of a valid South Carolina Class A or Class B CDL.
Completion of a locally scheduled series of safety lectures on the dangers of electrical shock and natural gas fires.
Must physically demonstrate the ability to safely operate the knuckleboom crane.

(Note: The listing of essential functions in this class specification is representative, not exhaustive. It is not necessarily a detailed description of all work responsibilities, and it does not give exclusive title to every function described.)

James Island Public Service District
Charleston, South Carolina

March 1998
Revised July 2002