

MIAMI-DADE COUNTY PUBLIC SCHOOLS

JOB DESCRIPTION

CLASS TITLE: Sprinkler Mechanic

JOB CODE: 6154

DEPARTMENT: Facilities Operations, Maintenance PAY GRADE: 25 (B4) DATE:09/27/05

BASIC OBJECTIVES

This is skilled maintenance work in the installation, repair, and maintenance of pumps, irrigation systems and equipment.

JOB TASKS/RESPONSIBILITIES

1. Surveys job sites and lays out irrigation systems based upon dimensions and the terrain of the area to be irrigated; updates blueprints as necessary.
2. Determines piping and pump requirements consistent with system output demands and requirements of equipment and materials.
3. Prepares cost estimates of new or enhanced irrigation system.
4. Troubleshoots sprinkler pump motors, controls, pressure tanks and associated piping valves and fittings.
5. Installs and maintains automatic hydraulically and electrically controlled systems.; maintains manual quick coupling systems; sets timers for automatic systems.
6. Removes and replaces sprinkler pumps up to 40 h.p. as needed for repair.
7. Installs and maintains sprinkler system field piping fittings and automatic and manual sprinkler heads on galvanized and PVC piping systems.
8. Follows general instructions, standard practices and procedures and all established driving, operating, and safety rules and regulations to operate equipment.
9. Performs other related work of a comparable or lower skill level as required.

PHYSICAL REQUIREMENTS

This is heavy work which requires the following physical activities: bending, stooping, kneeling, crouching, twisting, reaching, sitting, standing, walking, pushing, pulling, lifting, finger dexterity, grasping, feeling, repetitive motions, talking, hearing and visual acuity. The worker is exposed to heat, noise, hazards, atmospheric conditions, and oils. The work is performed outdoors.

MINIMUM QUALIFICATION REQUIREMENTS

1. High school graduation or an equivalent recognized certificate.
2. Two (2) years experience in the repair and installation of pumps, irrigation systems and components or related training and experience.
3. Knowledge of hydraulic and electrical control systems.
4. Knowledge of plumbing techniques involved with capital PVC and galvanized piping systems.
5. Knowledge of repair technique utilized in the repair and overhaul of irrigation pumps and motor controls.
6. Possession of a valid Florida Class E driver's license.
7. Satisfactory completion of a physical examination prior to hire date.

Prior revision date(s): 05/25/88, 02/11/94, 11/03/95, 03/09/99, 03/02/01