



HUMAN RESOURCES DEPARTMENT

POSITION DESCRIPTION

TITLE:	Licensed Irrigator	LAST UPDATED:	04/08/2014
DEPARTMENT:	Public Works	JOB CLASS:	
REPORTS TO:	Senior Irrigation Inspector	FLSA DESIGNATION:	Non-exempt

Summary: Under general supervision of the Senior Irrigation Specialist Inspector, the Licensed Irrigator evaluates and inspects irrigation systems for Frisco water customers and implements other water conservation programs.

The intent of this position description is to provide a representative summary of the major duties and responsibilities performed by incumbent(s) in this position. Incumbent(s) may not be required to perform all duties in this description and incumbent(s) may be required to perform position-related tasks other than those specifically listed in this description.

Essential Job Functions:

- Conducts routine inspections of standard irrigation and sprinkler systems to detect problems to improve operation of irrigation systems for potable water customers.
- Programs standard automatic controller systems to maintain water efficiency of irrigation and sprinkler systems.
- Analyzes and evaluates evapotranspiration (ET) rates and weather data for the use of smart (ET) controllers.
- Programs smart (ET) controllers for water customers during initial irrigation inspections.
- Modifies smart (ET) controller programming based on site-specific conditions.
- Designs and installs sprinkler systems for the City.
- Conducts outdoor water system inspections for city water customers.
- Coordinates work orders, equipment and supplies necessary to complete project or work assignments for water conservation.
- Oversees operations of irrigation system for Public Works facility.
- Maintains records and database of irrigation system check-ups, and documents work activities and rainfall amounts.
- Determines water usage based on soil and plant types.
- Maintains inventory and orders parts, supplies, materials and equipment as necessary.
- Conducts check-ups of water usage for city irrigation systems to monitor compliance with city and state water conservation and irrigation regulations and ordinances.

Other Important Duties:

- Provides technical assistance and guidance to homeowners, developers, contractors, vendors, and other water customers on the codes, ordinances, plants and soil issues.
- Travels to work sites and to attend meetings, conferences and training.
- Performs other related duties as assigned.
- Regular and consistent attendance for the assigned work hours is essential.

Required Knowledge and Skills:

- Knowledge of water conservation techniques and practices.
- Knowledge of hydraulics concepts and irrigation techniques and designs.
- Knowledge of computers and related equipment, hardware and software to program computerized controllers for irrigation systems.
- Knowledge of City policies and procedures.

Required Knowledge and Skills (continued):

- Skill in the use, operation and maintenance of heavy equipment, power tools, testing equipment and standard plumbing tools utilized in the installation, repair and maintenance of irrigation systems.
- Skill in effective verbal and written communications.
- Skill in operating standard irrigation systems.
- Skill in the fundamentals of evapotranspiration.
- Skill in the installation, programming, and operation of weather-based and soil moisture-based controllers.
- Skill in resolving customer complaints and concerns.

Preferred Education, Experience, and Certifications:

- High School Diploma or G.E.D., and two (2) years of irrigation system installation, repair, or design experience of which one (1) year must include programming and evaluation of smart (ET) controllers; **or** equivalent combination of education and experience.
- May be required to attend 40 hours of instruction in design concepts, hydraulics, and controller programming for irrigation systems.
- May be required to obtain at least eight (8) hours of C.E.U. training for smart (ET) controllers.
- Must possess and maintain a current Texas Irrigation License.
- Must pass a pre-employment drug screen, criminal background check, MVR check and physical agility assessment.
- Must possess valid Texas Drivers License.

Environmental Factors and Conditions/Physical Requirements:

- Work is performed in office and field environments.
- May be subject to repetitive motion such as typing, data entry, vision to monitor, plan design and review.
- May be subject to exposure to heavy equipment, extreme weather conditions, dust, mud, and moving traffic when inspecting, installing, monitoring repairing or maintaining irrigation systems.
- May be subject to digging, bending, reaching, kneeling, carrying or lifting when installing irrigation systems.
- Must be able to lift up to 50 pounds.

Equipment and Tools Utilized:

- Equipment utilized includes personal computer, copier, calculator, fax machine, other standard office equipment, cellular telephone, hand and power tools, and department vehicles.

Approved By:

Signed by Joyce Warren, Water Resources Manager
Joyce Warren, Water Resources Manager

04/10/2014
Date



Shannon Allyn, HR Generalist

04/10/2014
Date