

## ENVIRONMENTAL SERVICES INSPECTOR

**POSITION SUMMARY:** Performs skilled work in the inspection and monitoring of residential, industrial and commercial users of the drinking water distribution system, the Clean Water Plant collection system, and biosolids application sites, and performs the work in accordance with local, State, and Federal regulations. This position maintains accurate residential, industrial and commercial sampling, cross connection compliance and backflow device testing records and biosolids compliance records. This position conducts residential, industrial and commercial inspections and site visits and generates accurate reports on the results of such visits. This position is responsible for conducting inspections of biosolids application sites, potential biosolids application sites, and all areas where biosolids are stabilized, stored, and transported and is responsible for generating accurate reports on the results of site visits. This position interprets laboratory analyses of water, wastewater and biosolids samples for a variety of parameters.

**SUPERVISION RECEIVED:** Work is performed under the general supervision of the Environmental Services Supervisor and/or the Utility Plant Superintendent or their designees.

**SUPERVISION EXERCISED:** May supervise Environmental Services Specialists, Biosolids Operations Coordinator, and part-time or seasonal employees, or an employee in a lower classification.

**ESSENTIAL JOB FUNCTIONS:** *An employee in this position may be called upon to do any or all of the following essential functions. These examples do not include all of the duties which the employee may be expected to perform. To perform this job successfully, an individual must be able to perform each essential function satisfactorily.*

1. Conducts sewer use compliance inspections and water use/cross connection inspections at various industries, restaurants or other domestic and non-domestic users of the sewer and water.
2. Conducts compliance inspections at biosolids application, stabilization and transportation sites.
3. Confers with industries and restaurants concerning industrial/commercial sewer use.
4. Confers with landowners, farmers, regulators, contractors, and other plant personnel concerning biosolids.
5. Investigates abnormal slug discharges of wastewater or stormwater and takes appropriate action to document and correct as necessary.
6. Responds to and mitigates spills of biosolids.
7. Keeps records of sampling schedules, monitoring locations, and other pertinent parameters of a biosolids or IPP nature.
8. Reads construction blueprints of fire-protection systems, water supply plumbing, sanitary sewer and industrial user processes.
9. Investigates complaints of water quality, water supply cross connection, biosolids or others of an IPP nature and takes appropriate action to correct as necessary.

10. Possesses knowledge of local ordinances and Federal and State regulations concerning drinking water, plumbing codes, backflow prevention rules, industrial pretreatment and biosolids.
11. Tests physical and/or chemical parameters of water, wastewater, soil, or biosolids in the field.
12. Performs special analyses of or experiments with samples of water, industrial wastewater or biosolids.
13. Maintains and cleans tools, equipment, and vehicles.
14. Performs minor repairs or service to pressure recorders, sampling devices and/or related equipment.
15. Operates various types of equipment including computers. Uses computer software, performs data entry, and generates reports.
16. Reviews City Ordinance and Federal and State Law governing use of the sanitary sewer.
17. Keeps abreast of new developments in the fields of cross connection prevention, industrial pretreatment and biosolids.
18. Performs other duties related as required.

**KNOWLEDGE, SKILLS AND ABILITIES:** *The requirements listed below are representative of the knowledge, skills, abilities and minimum qualifications necessary to perform the essential functions of the position. A qualified individual with a disability must be able to perform the essential functions of the position with or without reasonable accommodation.*

- An Associate's Degree in biological, chemical or environmental sciences or related field and a minimum of ten years experience in industrial monitoring, water and wastewater analysis, industrial wastewater treatment, and biosolids land application, an equivalent combination of education, training and experience may substitute for the degree requirement. Coursework in chemistry and bacteriology is preferred.
- Possession of Michigan Class D Wastewater Operator's license and a Michigan S-4 Water Distribution Certification. Progression through the subsequent classes of C, B, and A and S-3, S-2 and S-1 is considered highly desirable.
- Experience in performing cross connection inspections, operational evaluations of backflow preventers, backflow preventer testing, and possession of a certificate of completion from one of the following:
  - Michigan Board of Plumbing & MPMCA Cross Connection Control Course
  - USC Cross Connection Control Specialist Course
  - TREEO Cross Connection Control Program Manager Course
- Ability to work independently outdoors for extended periods of time in various weather conditions. Possesses self supervising attributes.
- Demonstrates skill in the use of computers and software programs including Microsoft

Office and possesses the ability to learn other programs as required.

- Demonstrates a high degree of mechanical aptitude.
- Demonstrates extensive knowledge of the principles and practices of the chemical and bacteriological testing of water, soil, and sludge.
- Demonstrates ability to perform technical work with precision and accuracy.
- Possesses a thorough working knowledge of Chapter 86, Articles II and III, of the Code of the City of Wyoming, and the ability to clearly interpret and implement those provisions of the City Code.
- Ability to follow established procedures, work well with others, and to communicate clearly and effectively in both written and verbal situations.
- Ability to maintain accurate records of tests and prepares reports, charts and statistical analyses and to create and present reports to varied audiences.
- Demonstrates knowledge of the water distribution system and wastewater collection system and operations.
- Demonstrates knowledge of biosolids land application programs.
- Demonstrates proficiency in the operation, maintenance, and repair of water and biosolids sampling equipment, pH recorders, water pressure recorders and related equipment.
- Possession of a valid Michigan motor vehicle operator's permit.

**PHYSICAL DEMANDS AND WORK ENVIRONMENT:** *The physical demands and work environment characteristics described here are representative of those an employee encounters while performing the essential functions of the job. A qualified individual with a disability must be able to perform the essential functions of the position with or without reasonable accommodation.*

While performing the duties of this job, the employee is regularly required to talk or hear. While performing the duties of this job, the employee is regularly required to communicate with others and view and produce written documents. The employee frequently is required to sit; use hands to finger, handle, or feel; and reach with hands and arms. The employee must frequently lift and move and lift items of up to 80 pounds, including manhole covers. Bending and stooping are also frequent requirements.

While performing the duties of this job, the employee regularly works in the field and occasionally in a business office setting. The noise level in the work environment ranges from noisy in the field to quiet in the office. While working in the field, circumstances may occur that are very strenuous and may involve working with hazardous materials and require the donning of appropriate protective gear. The employee may be exposed to uncontrollable environments and circumstances, which may include working in confined spaces, at various heights and in all types of weather conditions. The employee is required to drive in inclement weather.