



**MONTGOMERY COUNTY**  
Department of Human Resources  
451 West Third Street, 9th Floor  
Dayton, OH 45422

<http://www.mcohio.org>

**INVITES APPLICATIONS FOR THE POSITION OF:  
CONTROL SYSTEMS (SCADA) MANAGER; PCN 13000560**

*An Equal Opportunity Employer*

**SALARY**

\$30.55 - \$37.54 Hourly

**OPENING DATE:** 12/22/17

**CLOSING DATE:** 01/12/18 11:59 PM

**CLASS CONCEPT:**

Advanced level technical position under general direction of the department Managers/Assistant Directors requiring thorough knowledge of process control automation and information technology to design and manage Supervisory Control and Data Acquisition (SCADA) systems which support water and wastewater system operations. Participates in SCADA project planning and implementation, cost estimates and design and review of plans, specifications and construction inspection of control systems. Performs the material and substantial duties of the classification more than 50% of the time. May supervise assigned staff.

**JOB DUTIES**

Manages the functionality, maintenance, and enhancements of the Supervisory Control and Data Acquisition (SCADA) system (e.g., control processors, servers, human machine interface devices, backup power systems, fiber, wireless networks) to ensure uninterrupted water and sewer services. Provides technical expertise and guidance for formulation of the strategic automation, controls, alarming and data archiving needs to support regulatory compliance and effective operation of water and sewer systems. Reviews, evaluates and provides input on designs, plans and specifications. Creates and maintains policies, standard operating procedures and standard specifications for the SCADA system. Establishes operational guidelines and controls including privacy, security, editing, validating and restart / recovery controls. Provides technical support for SCADA system upgrades and capital projects to support operations and maintenance of the water and sewer systems. Administers system access and passwords. Maintains accurate data, schematics and supporting documentation regarding configurations of various systems. Prepares budget projections for equipment, hardware, software, training, tools and supplies. Works closely with operations and maintenance staff on a daily basis to respond to urgent water and sewer needs. Provides oversight and direction for employees working with the control/SCADA system(s).

Works to meet department needs for process data collection, computations, display, archiving, report generation, data quality, consistency and accuracy. Designs, installs, programs, tests, configures, documents, and maintains custom and specialized types of software and hardware including local area networks, telecommunication systems, PLCs, utility database management systems and industrial control systems as needed to maintain SCADA system integrity. Creates and maintains servers, data storage equipment, network equipment, firewalls, operating systems and various utility programs. Performs troubleshooting (office and field), analyzes and solves day to day equipment problems for networks, hardware, and software. Responsible for managing upgrades, yearly maintenance tasks and long term planning for SCADA system. Develops and modifies HMI / SCADA systems, including 2D and 3D graphics creation, tag

database generation, and report development. Works closely with the Information Technology Department to ensure effective functionality of process control networks, applications and databases. Coordinates with outside vendors and internal Information Technology Department as needed.

(Performs Related Duties As Required)

### **MINIMUM CLASS REQUIREMENTS**

Must have bachelor degree in information technology, engineering, computer science, or related science and 5 years of relevant experience, preferably with a water / sewer utility OR associate degree in information technology, engineering, computer science, or related science and 7 years of relevant experience, preferably with a water / sewer utility. Preferred Certified Automation Professional / ISA. Must have current valid driver's license with acceptable driving record.

### **TRAINING & DEVELOPMENT**

Obtain OEPA Class 1 Wastewater Treatment license within 3 years. Obtain OEPA Class 1 Water Distribution license within 5 years. Maintain all required licensures and certifications.

APPLICATIONS MAY BE OBTAINED AND FILED ONLINE AT:

<http://www.mcoho.org>

OR

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Job #02988  
CONTROL SYSTEMS (SCADA) MANAGER; PCN 13000560

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### **CONTROL SYSTEMS (SCADA) MANAGER; PCN 13000560 Supplemental Questionnaire**

- \* 1. Do you have a valid driver's license with an acceptable driving record?  
 Yes    No
  
- \* 2. Do you have a degree in Information Technology, Engineering, Computer Science or related science?  
 None  
 Yes, Associates Degree  
 Yes, Bachelor's Degree
  
- \* 3. How many years of experience do you have in water/sewer utility or control systems management?  
 None  
 Less than 1 year  
 More than 1 year but less than 3 years  
 More than 3 years but less than 5 years  
 More than 5 years but less than 7 years  
 7 years or more
  
- \* 4. Are you a Certified Automation Professional/ISA?  
 Yes    No

\* Required Question