



Upper Occoquan Service Authority

Human Resources Department

14631 Compton Road • Centreville, VA 20121

Tel. | (703) 830-2200 • Fax | (703) 266-0682 • Email | good.jobs@uosa.org

PROCESS CONTROL ENGINEER

Engineering & Technology Division

Process Control Engineer III | Grade 34 | \$77,685.23 - \$129,588.06

Process Control Engineer II | Grade 36 | \$85,812.83 - \$143,145.84

Process Control Engineer I | Grade 37.5 | \$90,190.14-\$154,237.16

Open Until Filled

*****This Engineering role can be filled at III/II/I Engineer level. Please see minimum qualifications list below for each level.*****

The Upper Occoquan Service Authority is seeking a quality Engineer to join the Process Engineering group in our Engineering & Technology Division. The successful applicant will join a dedicated team of Process and Automation Engineers supporting the operation, maintenance, automation, expansion, and rehabilitation of our facilities. Applicants should have a keen interest and/or experience in industrial unit processes (especially wastewater), process automation, process optimization, process design, and facility commissioning. Previous hands-on experience with Distributed Control Systems (DCS), Programmable Logic Controllers (PLC), Human Machine Interfaces (HMI) or Supervisory Control and Data Acquisition systems (SCADA) is highly desirable. This role requires the candidate to have a broad knowledge of various Engineering disciplines (Chemical, Biological, Mechanical, Electrical, Civil, and Computer). The candidate should demonstrate in the application process the experience and/or ability to navigate this broad spectrum.

Applicants should be able to have good working relationships with technical peers, management, trade staff, and operation staff. Being able to work well with all disciplines is key to the role.

This position has upward mobility through a Career Ladder.

RESPONSIBILITIES

The **Process Control Engineer I** requirements range from project management, wastewater process engineering, programming and maintenance of DCS/PLC/HMI/SCADA hardware and software, managing environmental regulation programs, and secure computer networking and database administration. The incumbent is expected to lead other engineers, scientists, programmers, and technicians and works with minimal supervision.

The **Process Control Engineer II** will support the Plant unit processes (physical, chemical, and biological) as well as the wastewater Delivery System processes. The incumbent will support system design, system commissioning, system automation, system optimization, and system maintenance. The Process Control Engineer II will routinely work with DCS, PLC, HMI, and SCADA systems. Additional tasks may include project management, technical analysis, cost analysis, or other related work as required.

The **Process Control Engineer III** performs a wide variety of complex process engineering, scientific, programming and cost analysis work related to facility expansions; the design, operation, and maintenance of UOSA's microbiological, chemical and physical unit processes and delivery systems; DCS hardware and software; PLC hardware and software; HMI hardware and software, and SCADA hardware and software. Does other related engineering, technical analysis, and management work as required. Works with minimal supervision.



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REQUIREMENTS

- **Process Control Engineer I:**

- A minimum of seven years of progressively responsible process engineering experience in an engineering field is required.
- Graduation from a four-year college or university of recognized standing with a Bachelor of Science Degree in Chemical or Mechanical Engineering; or any equivalent combination of education, experience, and training that provides the required knowledge, skills, and abilities.
- A Master's Degree in Chemical, Mechanical, or Environmental Engineering is highly desired.

- **Process Control Engineer II:**

- A minimum of five years of progressively responsible program management and/or supervisory experience in the engineering field is required.
- Graduation from a four-year college or university of recognized standing with a Bachelor of Science Degree in Chemical or Mechanical Engineering; or any equivalent combination of education, experience, and training which provides the required knowledge, skills, and abilities.
- A related Master's Degree or other higher graduate level education is desirable.

- **Process Control Engineer III:**

- Zero to five years work experience in an engineering discipline is required.
- Graduation from a four-year college or university of recognized standing with a Bachelor of Science Degree in Chemical or Mechanical Engineering; or any combination of education, training, and experience which provides the required knowledge, skills, and abilities.
- A related Master's Degree or other higher graduate level education is desirable.

In addition, all levels cited above must possess the following:

- Must possess knowledge of design, construction, and operation of water and wastewater treatment and conveyance facilities.
- Requires the ability to independently manage project workloads and coordinate activities of outside contractors and UOSA personnel. Good technical writing and verbal communication skills are required.
- Must be experienced in researching problems and troubleshooting systems, evaluating and implementing engineering solutions, and defining program tasks needed to reach goals and objectives.
- Working knowledge and experience in principles of modern microprocessor-based instrumentation, conventional panel controls, Distributed Control Systems, SCADA, Programmable Logic Controllers and Human Machine Interfaces is preferred.
- Must be able to meet physical requirements of position to include walking, bending, stooping, lifting and carrying 50 pounds. Must be able to participate in applicable work-safety programs.
- Possession of a vehicle operator's license valid in the Commonwealth of Virginia is required.

The vacancy notice does not imply that these are the only duties, including essential duties, to be performed in the position. Please request a full job description from the HR Department via email at good.jobs@uosa.org.

All employment offers are contingent upon the successful completion of a pre-employment drug and alcohol screening, physical exam, and background check paid for by UOSA.

In order to be fully considered for the position, all applicants must submit a complete online application, an updated resume, salary requirements via the UOSA website: Uosa.org/Careers > [Candidate Profile](#).

Once logged into your profile, click on **Find Jobs** in the upper left-hand corner of the screen, followed by **Search for Jobs**. Review the vacancy and apply.

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