**Class Summary**

The responsibilities of this classification include supervising multiple engineering work units and managing multiple engineering programs in Wastewater Operations. Responsibilities include providing centralized leadership and guidance to the standardized application of Wastewater Treatment Division’s (WTD) engineering standards and expectations across engineering groups within Operations. Incumbents ensure compliance across the plant with Reliability Engineering, Plant Engineering, and System Engineering activities including the alignment of SCADA technologies and reliability processes within Wastewater Operations.

**Distinguishing Characteristics**

This is a single level classification. This classification is distinguished from the Engineer IV in that the incumbent in the Engineer IV classification is responsible for providing technical oversight, quality control, and certification of plans and documents for a specific discipline in a section or work unit.

This classification is distinguished from the Wastewater Engineer Supervisor in that the incumbent in the Wastewater Engineer Supervisor classification is responsible for managing a large Engineering work group providing Electrical, I&C, Civil, and Mechanical or combination of these disciplines, design services for projects that create or modify wastewater facilities using assigned engineering and CAD staff.

This classification is distinguished from the Wastewater Plant Manager – Assistant in that the incumbent in the Wastewater Plant Manager – Assistant classification is responsible for assisting the Wastewater Plant Manager in the daily operation of a regional wastewater treatment and conveyance system.

**Examples of Duties**

1. Perform the full scope of supervisory responsibilities for the assigned system-wide engineering program. Staff may include a number of subordinate teams or organizational units which may require training, regular feedback, and flexible resource scheduling.
2. Lead the technical systems engineering experts on multiple projects across the system ensuring unified alignment with established standards. Provide technical expertise in the evaluation and analysis of complex (multi-dimensional), sensitive, and political issues. Provide lead oversight and quality control for system engineering discipline.
3. Perform complex work involving wastewater treatment and collections systems including; commissioning, project management, program design, economic analysis, and the preparation review and approval of design and contracts documents.
4. Participate with project design teams to promote “Reliability, Plant or Systems Design” concepts in coordination with Maintenance Supervisors. Coordinate with capital stakeholders and make recommendations for equipment, processes, and software/hardware options.
5. Serve as liaison to Strategic Asset Management Program (SAMP). Coordinate with SAMP, produce analyses necessary to determine cost-effective timing of capital refurbishment and replacement on assigned projects.
6. Design, develop, enhance, implement, support, and maintain complex technology systems.
7. Supervise and direct the preparation of design and contracts, contract negotiations, and change orders. Interpret contract requirements and monitor compliance.
8. Support the maintenance or configuration control for SCADA and signal and communication systems; maintain version control, and document all program modifications.
9. Record and document maintenance and diagnostic data.
10. Perform other duties as assigned.

**Knowledge/Skills**

Knowledge of the principles and practices of cost effective maintenance strategies, such as RCM management techniques and principles, systems operations, and one or more of the following: commissioning wastewater (or other similar industrial) process equipment; or conducting project alternative analysis using “full life-cycle” or “business case” economic cost evaluations for capital projects, including asset replacement decision justifications

Knowledge of design, project management, installation, field engineering, and maintenance of electrical equipment and technology and building components as normally acquired through related experience in wastewater, power, process or related industrial field

Knowledge of SCADA technologies

Knowledge of technical tests and evaluations

Knowledge of configuration management practices

Demonstrated proficiency with diagnostics

Skill in assessing and evaluating situations, to ensure that the treatment plants are in regulatory compliance

Skill in negotiation, conflict-resolution, problem-solving, and team-building

Skill in managing a number of projects or programs

Ability to evaluate alternative design and maintenance strategy proposals

Ability to prepare and deliver formal and informal presentations to technical and non-technical audiences

Ability to effectively engage in and sustain relationships with people from diverse cultures and socio-economic backgrounds

Ability to work independently and as a team member

Demonstrated proficiency with business applications, such as Microsoft Office suite

**Education and Experience Requirements**

Bachelor of Science in Engineering

Or any combination of education and experience that clearly demonstrates the ability to perform the job duties of the position

**Licensing, Certification and Other Requirements**

Washington State Driver’s License or out of state equivalent

Some licenses, certifications and other requirements determined to be necessary to meet the business needs of the employing unit may be required

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| **FLSA Designation** | Exempt (Professional) |
| **Service Status** | Career Service |
| **EEO Code** | 2 |
| **Levels within same series** | None |
| **Class History** | 07/2019 - Created |