

MECHANICAL ENGINEER III

(Milwaukee Water Works)

THE PURPOSE

The Mechanical Engineer III performs the Mechanical Engineering functions associated with the design and maintenance of all Milwaukee Water Works Facilities.

THE ESSENTIAL FUNCTIONS

- ◆ Prepare drawings for mechanical projects through the use of AUTOCADD, Microstation or manually, if required.
- ◆ Review mechanical plans and specifications prepared by consultants.
- ◆ Prepare design plans, specifications and manage construction for proposed new mechanical facilities as well as for expanding and maintaining existing water plant and pumping facilities.
- ◆ Perform detailed design work in the fields of mechanical and general engineering.
- ◆ Prepare specifications for capital improvement and maintenance projects and for the purchase of materials or equipment.
- ◆ Prepare necessary cost estimates, correspondence and engineering reports.
- ◆ Supervise the field inspection of plant construction projects including coordinating and scheduling the work of contractors on the projects.
- ◆ Prepare contract payments and progress reports for the construction projects.
- ◆ Review shop drawings and prepare correspondence.
- ◆ Maintain liaison with plant operating and maintenance staff and activities; provide technical information and assist in training maintenance and trade personnel on related issues.
- ◆ Review the installation and initial operation of all major mechanical projects throughout Milwaukee Water Works.
- ◆ Make recommendations relative to changes in guide specifications, existing methods and procedures related to mechanical activities.
- ◆ Provide technical information and assist in training maintenance and trade personnel on related issues.

REQUIREMENTS:

1. Bachelor's degree in Mechanical Engineering from an accredited college or university.
2. Three years of professional engineering experience in mechanical design and/or construction.
3. Possession of valid Driver's License at time of application.
4. Residency within the city of Milwaukee required within six months of appointment.
5. Registration or eligibility for registration within one year of appointment as a Professional Engineer within the State of Wisconsin.

KNOWLEDGE, SKILLS AND ABILITIES:

- ◆ Knowledge of computer operating systems.
- ◆ Ability to communicate effectively with public, contractors, tradespeople, regulatory and governing agencies.
- ◆ Ability to work independently with minimal supervision.
- ◆ Strong analytical and problem solving skills.

THE 2006 SALARY RANGE (628) IS: \$60,953 to \$72,670 annually.