

**MICHIGAN CIVIL SERVICE COMMISSION  
JOB SPECIFICATION**

**ENVIRONMENTAL ENGINEER LICENSED**

**JOB DESCRIPTION**

Employees in this job function as professional state licensed environmental engineers, completing or overseeing a variety of assignments requiring licensure that provide for a clean and healthy environment through the protection and improvement of land and water resources, occupational health and air quality.

There is one classification in this job.

**Position Code Title – Environmental Engineer Licensed-A**

**Environmental Engineer Licensed 12**

This is the advanced level. The employee may function as a lead worker or senior worker. At this level, employees are responsible for overseeing the work assignments of other professionals or have regular assignments which have been recognized by Civil Service as having significantly greater complexity than those assigned at the experienced level.

**JOB DUTIES**

**NOTE:** The job duties listed are typical examples of the work performed by positions in this job classification. Not all duties assigned to every position are included, nor is it expected that all positions will be assigned every duty.

Reviews, as a licensed engineer, designs, plans and specifications for approval of the construction of industrial and municipal water and wastewater treatment plants, and dams.

Performs extensive evaluations and investigations of the most complex water and soil pollution problems in the state.

Performs on-site engineering inspections involving complex processes and pollution control facilities.

Consults with design engineers concerning environmental aspects of design plans.

Conducts surveys and studies of environmental engineering and compliance issues.

Reviews and evaluates applications submitted for issuance and re-issuance of existing surface water discharge permits.

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Reviews and evaluate plans and specifications submitted for issuance of potable water treatment plants, water system improvements and water main construction permits.

Evaluates air use permit applications to determine compliance with state and federal laws.

Assists in the development of ambient air pollution control strategies to reduce air pollution, and conducts engineering evaluations of pollution sources and control systems.

Trains engineering and non-engineering staff.

Investigates and resolves pollution incidents and citizens' complaints.

Participates in or conducts public meetings and hearings involving industrial and municipal officials and public concerns.

Conducts follow-up studies on pollution events, monitors clean-up programs, and makes recommendations involving chemical, biological and other limnological effects of pollutants.

Maintains records and prepares reports and correspondence related to the work.

Performs related work as assigned.

### **Additional Job Duties**

#### **Environmental Engineer Licensed 12 (Lead Worker)**

Oversees the work of professional staff by making and reviewing work assignments, establishing priorities, coordinating activities, and resolving related work problems.

#### **Environmental Engineer Licensed 12 (Senior Worker)**

Performs on a regular basis professional licensed environmental engineer assignments, which are recognized by Civil Service as more complex than those assigned at the experienced level.

### **JOB QUALIFICATIONS**

#### **Knowledge, Skills, and Abilities**

Thorough knowledge of the principles and practices of environmental engineering.

Thorough knowledge of the scientific principles relative to environmental engineering.

Thorough knowledge of the equipment, testing and investigative methods and laboratory procedures related to the specific field of environmental engineering.

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Thorough knowledge of state, federal and local laws related to the work.

Thorough knowledge of engineering office practices.

Ability to perform technical environmental engineering studies and prepare technical reports and articles.

Ability to legally carry the embossed or printed seal of a licensed professional engineer.

Ability to maintain records, and prepare reports and correspondence related to the work.

Ability to communicate effectively with others.

Ability to maintain favorable public relations.

### **Additional Knowledge, Skills, and Abilities**

#### **Environmental Engineer Licensed 12 (Lead Worker)**

Ability to organize and coordinate the work of others.

Ability to set priorities and assign work to other professionals.

### **Working Conditions**

None.

### **Physical Requirements**

None.

### **Education**

Possession of a bachelor's degree in engineering.

### **Experience**

Three years of professional environmental engineering experience in the protection and improvement of land and water resources, occupational health or air quality equivalent to an Environmental Engineer, including one year equivalent to an Environmental Engineer P11.

### **Special Requirements, Licenses, and Certifications**

Possession of a registered professional engineer license as required by the State of Michigan.

**NOTE:** Equivalent combinations of education and experience that provide the required knowledge, skills, and abilities will be evaluated on an individual basis.

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**JOB CODE, POSITION TITLES AND CODES, AND COMPENSATION INFORMATION**

**Job Code**

ENVENGLIC

**Job Code Description**

Environmental Engineer Licensed

**Position Title**

Environmental Engineer Licensed-A

**Position Code**

EVILICA

**Pay Schedule**

H21-028

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