



# Engineer 2

## Job Description

### TITLE

Engineer 2

### SUPERVISOR

Engineering Supervisor

### POSITIONS SUPERVISED

None

### SALARY RANGE

Range 29

### EMPLOYEE STATUS

Overtime eligible; Full-time; Regular; Salaried

### CREATION/REVISION DATE

January 22, 2024

### PURPOSE OF POSITION

An Engineer 2 with ORCAA provides engineering capabilities that are needed to implement programs required of clean air agencies under the Washington Clean Air Act. The core programs among these include the New Source Review (NSR) preconstruction permit, Registration, and Title V Air Operating Permit (AOP) programs. Although the primary purpose of the Engineer 2 position is to implement these three core programs for ORCAA, work supporting other programs, rule-development and program development may also be required of the position. An Engineer 2 is expected to take initiative and operate independently, under limited direction and supervision. An Engineer 2 may also be required to provide training or guidance to employees with lesser experience, but in a non-supervisory role. The objective of the position is to provide reliable, high quality engineering work products that can be quickly reviewed and approved by ORCAA's Engineering Supervisor and Compliance Manager.

### ESSENTIAL FUNCTIONS/RESPONSIBILITIES/DUTIES

- Evaluates air quality implications of a wide variety of air industrial and commercial facilities that emit air pollution including calculating air pollutant emissions rates and determining whether there is an increase in emissions, determining ambient air quality impacts and whether a facility may cause or contribute to violation of a National Ambient Air Quality Standard (NAAQS), determining compliance with applicable air-related rules and regulations, and evaluating the feasibility and effectiveness of air pollution control technology.

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- Reviews AOP and NSR preconstruction permit applications including working with project proponents in advance of submitting an application, summarizing findings in a written staff report, drafting the air permit, initiating public notice and outreach, presenting staff findings at public hearings, responding to public concerns and comments, and testifying as an “expert witness” for the agency in conjunction with permit appeals and other legal proceedings.
- Conducts inspections and observes source testing; interacts with source representatives regarding compliance; provides recommendations regarding steps necessary for compliance; gathers required data and information; issues Notices of Violation for alleged infractions, as appropriate; completes and submits reports; inputs data into agency database.
- Assists in the agency’s annual inventory of air pollutant emissions from stationary sources.
- Assists in developing new air regulatory programs to address air impacts or concerns such as air impacts from new, emerging source categories.
- Assists in rule writing in conjunction with maintaining ORCAA’s rules or to address new air programs required by state and/or federal clean air laws.

### QUALIFICATIONS

#### Required Education:

Bachelor’s degree from an accredited college or university in engineering or closely related field

#### Experience

Five years of experience in permitting in air quality or another environmental field  
Dispersion modeling experience using AERSCREEN or AERMOD

#### Knowledge and Skills

- Demonstrated talent for effective written and verbal communication of complex concepts
- Knowledge and ability to apply general Chemistry and Physics
- General knowledge of combustion reactions and how it relates to air emissions
- General knowledge of gaseous dispersion principles and how variables such as wind speed, temperature and terrain affect ambient air concentrations
- Ability or aptitude to critically evaluate air emissions consequences of mechanical and combustion equipment
- Ability to organize and manage multiple priorities.

#### Licenses/Certifications

Valid Washington state driver's license

Certification as Professional Engineer in Washington State is preferred

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### WORKING CONDITIONS AND PHYSICAL DEMANDS

- Most of the work required of an Engineer 2 involves reading regulations and other materials and composing written products from a PC or laptop. Work is performed at ORCAA's office. However, working from a home office for certain types of work or projects may be approved by the Engineer Supervisor, consistent with ORCAA's work at home policy.
- Frequent meetings, collaborations, and other interactions with ORCAA staff members, members of other agencies such as EPA and the Washington State Department of Ecology, the public, and project proponents are required and are common. These may be in person, by phone, or conducted virtually.
- Occasional on-site inspections of the facilities ORCAA regulates are required. These facilities may include mechanical, chemical, manufacturing, combustion and other industrial equipment requiring special safety precautions and protective equipment.
- Ability to move within an industrial environment is required and may involve climbing stairways, climbing ladders, stooping, ducking, and avoiding hazards while performing an inspection.
- Travel may be involved and may include up to 5 hours of driving within Washington. Infrequent overnight stays while conducting field inspections, participating in trainings, or while attending conferences may also be required.

*This job description is a summary rather than a detailed list of the duties performed. Olympic Region Clean Air Agency provides reasonable accommodations to assist qualified individuals to perform the essential functions their job requires.*