

**Course Objectives/Course Outline**  
**Spokane Community College**

---

---

**Course Title:** Water and Wastewater Regulations  
**Prefix and Course Number:** Water 211

---

**Course Learning Outcomes:**

**By the end of this course, a student should be able to:**

- Understand the development and updates to the Clean Water Act
- Understand the Safe Drinking Water Act and applications to water systems
- Be familiar with Washington and Idaho surface water quality standards
- Understand Total Maximum Daily Load (TMDL) load and waste load allocations
- Be familiar with various water quality sample collection procedures
- Understand National Pollutant Discharge Elimination System (NPDES) permits
- Be familiar with discharge monitoring report requirements and submittal
- Develop skills of technical description through verbal and written communication
- Safety

**Course Outline:**

- I. Federal Regulations
  - A. Clean Water Act
  - B. Safe Drinking Water Act
- II. State Regulations
  - A. Classes of water systems
  - B. Classification of wastewater treatment plants
  - C. Monitoring and reporting
- III. Water Quality Standards
  - A. Washington and Idaho water quality standards
  - B. Tribal water quality standards
- IV. Groundwater Rule