



City of Ames WPC Plant Student Operator

SALARY	See Position Description	LOCATION	50010, IA
JOB TYPE	Less than 20 hours/week	JOB NUMBER	25-WPCSO-01
DEPARTMENT	Water & Pollution Control	OPENING DATE	08/18/2025
CLOSING DATE	9/5/2025 12:00 PM Central	FLSA	Non-Exempt
BARGAINING UNIT	MERIT	RESIDENCY REQUIREMENT?	No

Centrally located in the heart of Iowa, Ames is a vibrant, progressive community with more than 66,000 residents providing an excellent quality of life. Home to Iowa State University, Ames offers year-round recreation opportunities, diverse cultural offerings, a stable economy, safe neighborhoods, and a high-achieving school district.

General Information

<https://www.youtube.com/embed/97rsAGfo1eQ?&wmode=opaque&rel=0>

The City of Ames Water and Pollution Control Department has an exciting opportunity for WPC Plant Student Operators to provide support to the WPC Division!

Under close supervision, performs work involving primary responsibility for the operation of the Water and Pollution Control plant, and pumping stations to treat the domestic and industrial wastewater needs for the Ames community, Iowa State University and the City of Kelley.

The WPC Student Operator will typically work 16-19 hours every week throughout the calendar year. After the training period, the WPC Plant Student Operator will work independently on their assigned shifts.

This position works primarily two weekends on and two weekends off, at which time you will work 2-3 days during the week for two weeks which may include holidays. Typical weekend shifts include 2pm-10pm and 10pm-6am, and may vary due to shifts needing to be filled. Please note that weekend hours may be subject to change.

This position provides an excellent opportunity for practical experience in engineering, chemistry, and environmental science fields. Due to the amount of training provided to the WPC Plant Student Operators, we request all applicants be committed to employment with the WPC Plant for a minimum of 12 months.

Compensation Steps

No License:

Starting Rate of Pay: \$21.17/hour

12 Months of Service: \$22.22/hour

24 Months of Service: \$23.34/hour

With Grade I Wastewater Operator License:

Starting Rate of Pay: \$22.22/hour

12 Months of Service: \$23.34/hour

24 Months of Service: \$24.50/hour

In order to be considered for this position, all applicants must submit their online application by the deadline listed on this posting. Your application includes complete responses to the supplemental questions. Please keep in mind that submission of a resume in lieu of work history on your application or answering the supplemental questions is not sufficient.

Applications submitted for this position by the application deadline may be considered for other openings in this classification for up to 1 year.

This position is an ongoing, part-time, less than 20 hours per week position that is not benefit or paid leave eligible.

Examples of Essential Job Functions

Performs increasingly difficult and skilled work as training and education progresses. Conducts laboratory tests and equipment checks to monitor overall treatment process. Operates a wide variety of pumps, motors, chemical feed equipment, and other related equipment used in wastewater treatment; collects samples and tests for wastewater parameters as assigned; adjusts chemical feed and other equipment to meet prescribed water quality limits; adjusts pumping and plant treatment rates accordingly to maintain adequate wastewater treatment; enters process data into computer system; maintains plant operating records by making calculations and completing operating logs; creates reports; observes mechanical equipment to ensure proper operating condition and performance; attends or provides training as required; provides customer service as required; consults with and receives approval from supervisor(s) before making process changes such as plant start-up and shutdown, mode changes. The WPC Plant Student Operator performs maintenance duties during assigned maintenance shifts; performs extra computer tasks, sampling and laboratory duties in connection with special plant or research projects; drives maintenance vehicles on occasion. Performs related work as required.

Each employee is expected to continually strive to bring shared values to life through our Excellence Through People organizational culture. ETP values include: committing to continuous improvement; inspiring creativity and innovation; being customer driven; making data-driven decisions; championing employee involvement; striving for excellence; having fiscal stewardship; acting with honesty and integrity; exhibiting leadership; choosing a positive attitude; respect and dignity for one another; promoting safety and wellness; and cultivating teamwork. For leaders, this includes creating a work culture that brings these values to life. For all employees, this includes maintaining a Total City Perspective. The purpose of ETP is to deliver exceptional services to the public at the best price, and for employees to experience an enjoyable and stimulating work environment.

Qualifications

Education and Experience:

Required: Current college student.

Preferred: Student enrolled in a program related to the field of water environmental treatment, wastewater treatment,

engineering, environmental science, or chemistry; **OR** two years of experience with mechanical equipment; **OR** an equivalent combination of education and experience.

Licenses and Certificates: Valid driver's license required.

Knowledge, Skills, and Abilities Necessary to Perform Essential Functions:

Extensive training will be provided; knowledge of computer systems; knowledge of the principles of hydraulics, chemistry, and electricity; ability to read and interpret data; ability to make mathematical computations; ability to work alone on an operating shift and take responsibility for previously outlined procedures; ability to follow standard operating procedures; ability to act quickly and calmly in emergency situations on an individual basis; ability to establish and maintain effective working relationships with citizens, supervisors, co-workers and other City employees.

Physical and Environmental Characteristics

Examples of Equipment Essential to the Job: Computers, software, and peripheral equipment, SCADA equipment, calculator, intercom, two-way radio, variety of printed materials, lab equipment, scale, cleaning chemicals, chemical feed equipment, emergency equipment, switches, pipes and valves; electrical equipment; safety equipment including masks, and gloves; maintenance vehicles.

Required Physical Activities: Climbing, balancing, kneeling, stooping, crawling, crouching, reaching, standing, walking, pushing, pulling, lifting, finger dexterity, grasping, feeling, talking, hearing, and repetitive motions.

General Physical Characteristics: The work involves sitting 40 percent of the time, standing (but not walking) five percent of the time; standing and walking 55 percent of the time. Requires exertion of up to 50 pounds of force occasionally, to move objects.

Vision Requirements: The minimum standard for use with those whose work deals largely with preparing and analyzing data and figures, accounting, computer terminal, extensive reading, operation of machines (including inspection), and use of measurement devices.

Environmental Conditions: The work is performed inside and/or outside and includes being exposed to mechanical and electrical hazards, chemical hazards, atmospheric conditions that affect the respiratory system or skin, oils, and working in isolation.

Supplemental Information

Selection Process:

The selection process consists of an evaluation of education, experience, and supplemental questions, a panel interview, and completion of a criminal background check, which includes a sex offender registry check and motor vehicle record check. All candidates will be notified by email of their application status.

NOTE: Preference may be given to applicants possessing qualifications above the minimum.

E-Verify Process:

The City of Ames participates in E-Verify and will provide the Social Security Administration (SSA) and, if necessary, the Department of Homeland Security (DHS), with information from each applicant's Form I-9 to

confirm work authorization. All candidates who are offered a position with the City of Ames must complete Section 1 of Form I-9 along with the required proof of their right to work in the United States and proof of their identity on their first day of employment. Please be prepared to provide required documents on your first day of employment. For additional information regarding acceptable documents for this purpose, please contact Human Resources at 515-239-5199 or go to the US Citizenship and Immigration Services web page at: <http://www.uscis.gov>.

NOTE: Applicants with disabilities may submit requests for ADA testing or interview accommodations to the Human Resources Department prior to the test or interview.

The City of Ames is an Equal Opportunity/Affirmative Action employer. All qualified applicants will receive consideration for employment without regard to race, color, creed, age, religion, sex, sexual orientation, gender identity, genetic information, ancestry, national origin, marital status, disability, or protected veteran status and will not be discriminated against. Inquiries can be directed to the Human Resources Department at 515-239-5199.

Employer

City of Ames

Address

515 Clark Ave

Ames, Iowa, 50010

Phone

515-239-5199

Website

<http://www.cityofames.org/jobs>

WPC Plant Student Operator Supplemental Questionnaire

*QUESTION 1

This position works primarily two weekends on and two weekends off, at which time you will work 2-3 days during the week for two weeks which may include holidays. Typical weekend shifts include 2pm-10pm and 10pm-6am, and may vary due to shifts needing to be filled. Please note that weekend hours may be subject to change.

Are you available to work this schedule of weekends which may include holidays?

- ☐ Yes
☐ No

*QUESTION 2

This position provides an excellent opportunity for practical experience in engineering, chemistry, and environmental science fields. Due to the amount of training provided to the WPC Plant Student Operators, we request all applicants be committed to employment with the WPC Plant for a minimum of 12 months.

Is this acceptable to you?

- ☐ Yes
☐ No

***QUESTION 3**

Will you have a valid driver's license at the time of hire?

- ☐ Yes
- ☐ No

***QUESTION 4**

The WPC or Wastewater Plant is located outside of city limits, about 2 miles East of I35 and about 4-5 miles south of Hwy 30. Due to this location, candidates would need to have reliable transportation to get to and from the plant for this position.

Would you have reliable transportation if awarded this position?

- ☐ Yes
- ☐ No

***QUESTION 5**

Are you currently enrolled in a program related to the field of water environmental treatment, wastewater treatment, engineering, environmental science, or chemistry?

- ☐ Yes
- ☐ No

***QUESTION 6**

What is your declared major and anticipated graduation date?

***QUESTION 7**

Please list any environmental, chemistry, or engineering-related organizations/groups you are part of (e.g., Water Environmental Tech Club, Water Quality Club, Engineers Without Borders, etc.)

***QUESTION 8**

Do you have two years of experience with mechanical equipment?

- ☐ Yes
- ☐ No

***QUESTION 9**

Please describe your experience with mechanical equipment. Please include length of time.

QUESTION 10

Please describe if you have an equivalent combination of education and experience in relation to the qualifications.

***QUESTION 11**

What interests you about this position?

***QUESTION 12**

Describe a time when you have been given a large amount of responsibility. Describe the situation, the responsibility given and the tasks you implemented to complete the assignment.

* Required Question