

Job Posting Preview

06-Jul-2022

Steam Plant Operating Engineer

Campus Services

58668BR

Job Summary

- Oversees the operation of the control room and directs the work of other Utility Plant Operating Engineers and/or Utility Plant Auxiliary Operators.
- Operates and performs routine maintenance of equipment associated with plant operations and the production of utilities (e.g. steam, chilled water and electrical generating equipment).
- Operates boilers, steam turbine generators, diesel/natural gas generators, chillers, electrical switchgear and substations as well as associated auxiliary equipment.
- Maintains logs, prepares equipment for operations or shutdown condition, monitors instrument readings and performs related duties as assigned.

Position Description

- Under the supervision of the Utility Plant Operations Supervisor, is responsible for the safe and proper operation, monitoring, and control of all equipment associated with plant operations and the production of utilities.
- Monitors instrumentation for proper operating conditions, determines nature and cause of trouble and performs necessary corrective action to protect personnel, equipment, and system integrity, and to maintain optimum efficiency and safety.
- Participates in emergency response training and drills.
- Prepares logs and other operating records including data collection via the plant computer/control systems and computerized asset/maintenance management system and prepares and changes charts.
- Where applicable, synchronizes generators with the distribution system and performs electrical switching operations.
- Reviews plant and equipment status with personnel on shift and via control/computerized systems to monitor load conditions, status, etc.
- Observes various instruments, records readings, evaluates readings, and takes appropriate action when required.
- Required to perform duties of Utility Plant Auxiliary Operators on an as-needed basis.
- For short periods of time, may assume responsibilities of Operations Supervisor in his/her absence and when directed.

- Oversees the operation of the control room and directs the work of other Utility Plant Operating Engineers and/or Utility Plant Auxiliary Operators.
- Communicates regularly with the Utility Plant Operations Supervisor, uses judgment, and acts to safely maintain or restore utility production.
- Participates in the starting, control, operation, shutdown, and inspection of boilers, steam turbine generators, diesel/natural gas generators, chillers, electrical switchgear, substations, and all other equipment associated with plant operations and the production of utilities.
- Performs routine operating maintenance, including cleaning of equipment and plant work areas.
- Participates in emergency response activities; may be assigned work of equal or lower skill level, including maintenance work; and must participate in mandatory training and other programs as required.
- Must observe and comply with all codes and perform work in accordance with recognized industry standards; University policies, procedures, and standards; and local, state, and federal laws/requirements.
- Performs other related duties as required.

Basic Qualifications

- High School diploma or equivalent, with a minimum of four years' prior work experience in the operation of modern high-pressure boilers, turbines and auxiliary equipment required.
- Requires valid Commonwealth of Massachusetts's Second Class Engineer's License.
- Must have, or successfully obtain within 6 months of hiring, EPA CFC certification (universal).

Additional Qualifications and Skills

- Must be safety conscious, have a fair degree of mechanical ability, and have in-depth working knowledge of the power plant cycle.
- Must possess a high degree of professionalism and the ability to work well independently and effectively with others.
- Must be detail oriented and have a good safety record, and the ability to take and follow directions intelligently.
- Must be able to handle multiple tasks and prioritize work effectively.
- An ongoing willingness to acquire new skills and utilize technology to streamline processes and problem solve is essential.

Technology Skills Required:

- Familiarity with database, spreadsheet, email, and word processing software is helpful.

- Required to interface with/utilize control systems and computerized asset/maintenance management systems.

Driver Designation:

- Valid State driver's license required. Driving history must meet University Operations Services standards.

Special Requirements:

- Required to work a rotating shift.
- May be required to work overtime relief, off-shift, emergency coverage (nights, weekend, etc.) and /or other schedules, as needed.
- Commonwealth of Massachusetts's Grade I or higher Industrial Wastewater Treatment Operator's license desirable.
- May be required to operate cranes, forklifts (and/or similar machinery), or lifting devices.

Emergency Status Designation:

- Critical Operations Personnel

Certificates and Licenses

1. Commonwealth of Massachusetts's Second Class Engineer's License
2. Valid State driver's license required.
3. EPA CFC certification (universal)

Physical Requirements

- Must be physically fit and mentally alert at all times.
- Must be able to perform all duties in a utility/industrial plant environment that includes exposure to loud noises, chemicals, temperature extremes, inclement weather conditions, airborne particles, vibration, hazardous materials, stairs, ladders, confined spaces, etc.; requires stooping, bending, climbing, reaching, lifting, and carrying; working from ladders, scaffolds, high-lifts, and in confined spaces; and lifting and carrying objects weighing up to 65 pounds.
- Required to wear personal protective equipment and clothing where appropriate; may be required to wear a respirator (negative pressure or equivalent) and other respiratory protection equipment up to the level of Self-Contained Breathing Apparatus (SCBA).
- At no time is facial hair permitted.
- Required to participate in Hearing Conservation and medical surveillance programs.

Working Conditions

Harvard continues to place the highest priority on the health, safety, and wellbeing of its faculty, staff, and students, as well as the wider community. Information and details can be found via Harvard's Coronavirus Workplace Policies website:

<https://hr.harvard.edu/corona-virus-workplace-policies>

COVID-19 Vaccination Requirement:

The University requires all Harvard community members to be fully vaccinated against COVID-19 and remain up to date with COVID-19 vaccine boosters, as detailed in [Harvard's Vaccine & Booster Requirements](#). Individuals may claim exemption from the vaccine requirement for medical or religious reasons. More information regarding the University's COVID vaccination requirement, exemptions, and verification of vaccination status may be found on the University's "COVID-19 Vaccine Information" webpage: <http://www.harvard.edu/coronavirus/covid-19-vaccine-information/>

Additional Information

About Campus Services

Campus Services is a multi-department organization within Harvard's Central Administration providing a wide range of non-academic services to the University community. We employ more than 1,600 employees, 66% of which are front-line service and trades workers. Our workforce is also quite diverse, with employees representing 20+ countries.

We service the university by supporting Campus Operations, supporting international students and programs, bringing the Harvard Community together and our Campus Services shared services.

Learn more about Campus Services at: www.campuservices.harvard.edu

Total Rewards:

Harvard's Total Rewards Program is designed to attract, retain, and reward the performance of talented employees. Comprehensive benefits, generous paid time-off, access to education and professional development, and vibrant campus with abundant cultural and recreational opportunities create a competitive and compelling total rewards package. As a Harvard staff member, you enjoy many perks that come with working for one of the top employers in Massachusetts. To learn more about Harvard's Total Rewards program visit our page: <https://hr.harvard.edu/totalrewards>

Accessibility:

Harvard University welcomes individuals with disabilities to apply for positions and participate in its programs and activities. If you would like to request accommodations or have questions about the physical access provided, please contact our University Disability Resources Department at: <https://accessibility.harvard.edu/>

Job Function

Facilities

Location

USA - MA - Cambridge

Job Code

273002 Steam Plant Operating Engineer

Sub-Unit

Energy & Facilities

Department

103690

Time Status

Full-time

Salary Grade

000

Union

42 - Int Un Oper Engineers Loc 877

Hourly Rate From

\$49.22

Hourly Rate To

\$49.22

Pre-Employment Screening

Criminal, Drug Testing, Employment, Identity, License/Cert.

Schedule

Sunday - Thursday

6:00 am - 2:00 pm

Days Off: Friday & Saturday**Commitment to Equity, Diversity, Inclusion, and Belonging**

Harvard University Central Administration's commitment to Diversity, Inclusion, and Belonging is rooted in our belief in drawing on the widest possible pool of talent to unify excellence and diversity. Our community strives to uphold these beliefs by honoring the rights, differences, and dignity of others and embracing individuals from varied backgrounds, cultures, races, identities, life experiences, perspectives, beliefs, and values. We aim to foster a campus culture where everyone can thrive, a key to which is ensuring that each of us experiences a profound sense of inclusion and belonging. For more information, visit our page:

<https://hr.harvard.edu/diversity-inclusion-belonging>

EEO Statement

We are an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status, gender identity, sexual orientation, pregnancy and pregnancy-related conditions, or any other characteristic protected by law.

Close preview