



Office of Human Resources  
DIA Stationary Engineer - CJ2734  
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### General Statement of Duties

Performs full performance journey level work operating, maintaining and repairing large scale boiler systems and chillers (15,000 tons cooling/ 180 Mbtu/h heating) and auxiliary equipment for the 24/7/365 DIA Central Utility Plant and satellite plants.

### Distinguishing Characteristics

This class is distinguished from the HVAC Mechanic class that performs full performance skilled trades level work in the maintenance, repair, and installation of a variety of HVAC equipment requiring journey level certification. It is also distinguished from the Building Engineer class that performs full performance level work in the daily operation, maintenance, and repairs for a City facility's plumbing, electrical, HVAC and other building systems.

### Essential Duties

Operates, maintains and repairs large scale boiler systems and chillers (15,000 tons cooling/ 180 Mbtu/h heating) and auxiliary equipment for the DIA Central Utility Plant and two satellite plants.

Utilizes computers and associated software to operate system controls.

Performs minor troubleshooting, repairs and maintenance on system equipment.

Uses and maintains tools and equipment common to the trade.

Answers calls regarding temperature fluctuations, leaks, smells, noise, etc. and follows up when problem is resolved.

Works with contractors on major repairs or installations as required.

Maintains records and prepares reports; and estimates materials, labor, and equipment costs.

Performs general plant maintenance and repair.

Observes all common safety practices.

Works all shifts including nights, weekends and holidays.

Supports snow removal duties.

By position, may be required to be on-call to address emergent needs.

Performs other related duties as assigned.

Any one position may not include all of the duties listed. However, the allocation of positions will be determined by the amount of time spent in performing the essential duties listed above.

### Competencies

Customer Service - Works with customers to assess needs, provides assistance, resolves problems, and satisfy expectations, knows products and services, and is committed to providing quality products and services.

Oral Communication - Expresses information to individuals or groups effectively; taking into account the audience and nature of the information; makes clear and convincing oral presentations; listens to others, attends to nonverbal cues and responds appropriately.

Reading – Understands and interprets written material, including technical materials, rules, regulations, instructions, reports, charts, graphs, or tables; applies what is learned from written material to specific situations.

Technical Competence – Uses knowledge that is acquired through formal training or extensive on-the-job experience to perform one’s job; works with, understands, and evaluates technical information related to the job; advises others on technical issues.

Technical Problem Solving – Troubleshoots, diagnoses, analyzes, and identifies systems malfunctions to determine the source and cause of the problem.

Written Communication – Composes, reviews, edits, and issues written materials for diverse audiences and communicates purpose in a succinct and organized manner that is appropriate for context, time, and place.

### **Knowledge & Skills**

Knowledge of engineering concepts, principles, and practices, and of equipment, tools, mechanical devices, and their uses to produce motion, light, power, technology, and other applications.

Knowledge of principles and methods for operating industrial equipment.

Knowledge of materials, methods, and the appropriate tools to construct objects, structures, and buildings.

Knowledge of machines and tools, including their designs, installation, uses, repair, and maintenance.

Knowledge of developing, producing, understanding, and using plans, blueprints, models, and maps, including the use of tools and instruments to produce precision technical drawings.

### **Level of Supervision Exercised**

None

### **Education Requirement**

Graduation from high school or the possession of a GED, HiSET or TASC Certificate.

### **Experience Requirement**

Four (4) years of experience operating stationary engineering systems or four (4) years of experience operating chiller and boiler plant systems.

### **Education & Experience Equivalency**

Additional appropriate education may be substituted for the minimum experience requirements.

### **Licensure & Certification**

By position, requires a valid Driver's License at the time of application.

By position, requires a valid Commercial Driver's License (CDL "B") with appropriate endorsements by the end of probation.

City & County of Denver Stationary Engineer Certification by the end of probationary period.

Environmental Protection Agency (EPA) CFC Universal Technician Certificate by completion of probationary period.

Licenses and certifications must be kept current as a condition of employment.

### **Working Environment**

Subject to burns and cuts.

Wet: frequent contact with water or other liquid.

Potential exposure to extreme temperature changes.

Potential exposure to hazardous conditions where there is danger to life, body, or health.

Potential exposure to hazards from electro/mechanical/power equipment.

Potential exposure to noise sufficient enough to cause distraction or possible hearing loss.

Subject to injury from moving parts of equipment.

Subject to pressure for multiple calls, inquiries, and interruptions.

Subject to varying and unprecedented situations.

### **Level of Physical Demand**

3-Medium (20-50 lbs.)

### **Physical Demands**

(Physical Demands are a general guide and specific positions will vary based on working conditions, locations, and agency/department needs.):

Balancing: Maintaining equilibrium.

Carrying: Transporting or moving an object.

Climbing: Ascending or descending an object or ladder.

Color vision: Ability to distinguish and identify different colors.

Crawling: Moving about in a low or crouched position.

Crouching: Positioning body downward and forward.

Depth Perception: Ability to judge distances and space relationships.

Feeling: Perceiving attributes of objects by means of skin receptors, communication, or otherwise.

Field of Vision: Ability to sharply detect or perceive objects peripherally.

Fingering: Picking and pinching, through use of fingers or otherwise.

Handling: Seizing, holding, grasping, through use of hands, fingers, or other means.

Hearing: Perceiving and comprehending the nature and direction of sounds.

Kneeling: Assuming a lowered position.

Lifting: Moving objects weighing no more than 50 pounds from one level to another.

Pulling: Exerting force upon an object so that it is moving to the person.

Pushing: Exerting force upon an object so that it moves away from the person.

Reaching: Extending the hands and arms or other device in any direction.

Repetitive motions: Making frequent or continuous movements.

Sitting: Remaining in a stationary position.

Standing: Remaining in a stationary position.

Stooping: Positioning oneself low to the ground.

Talking: Communicating ideas or exchanging information.

Vision Far Acuity: Ability to perceive or detect objects clearly at 20 feet or more.

Vision Near Acuity: Ability to perceive or detect objects at 20 inches or less.

Walking: Ability to move or traverse from one location to another.

**Background Check Requirement**

Criminal Check  
Employment Verification  
By position, Motor Vehicle Record

**Assessment Requirement**

None

**Probation Period**

Six (6) months.

**Class Detail**

**Pay Grade: NE-14**  
**FLSA Code: N**  
**Established Date: 9/21/2018**  
**Established By: LS**  
**Revised Date:**  
**Revised By:**  
**Class History:**