

## CLARK COUNTY SCHOOL DISTRICT

**CLASS TITLE: CHIEF REFRIGERATION ENGINEER**

**Class Code: 5320**

**Grade: 59**

**CLASS DEFINITION AND SUMMARY:**

Under general supervision, this position is responsible for the daily operation, preventative maintenance, and repair of all refrigeration systems in and around the CCSD Cold Storage Facility including the Ammonia Refrigeration Plant and ancillary equipment.

**ESSENTIAL TASKS OF THE POSITION:** (Illustrate, not inclusive)

Supervise and direct the activities of the Food Service maintenance staff in the Central Kitchen and Warehouse with respect to the proper operation and care of refrigeration systems.

Plan, supervise, and direct the execution of all refrigeration maintenance activities in and around the CCSD Cold Storage Freezers, Refrigerators, Warehouse, Central Kitchen and Administrative offices. Troubleshoot, repair, maintain, install, and operate refrigeration systems, process heating, compressed air systems, and other assigned warehouse maintenance requirements in accordance with all national and state codes and standards.

Troubleshoot, repair, maintain, rebuild, install and replace valves on compressors, pumps, evaporators and condensers.

Monitor and operate computer software programs to control functioning of refrigeration equipment.

Interpret, train, and apply all guidelines and instructions set forth by Process Safety Management (PSM), Risk Management Plan (RMP), and the Chemical Accident Prevention Programs (CAPP).

Must be HAZMAT competent.

Implement, and sustain an effective preventative maintenance program for the engine room and associate components as prescribed by the PSM.

Assist Plant manager in the ongoing development and adjustment of the PSM Preventative maintenance program by making recommendations for changes that will improve the effectiveness of the program.

Assist Plant Manager with the creation, development and/or improvement of Standard Operating Procedures for Ammonia plant and Central Kitchen equipment.

Responsible for operating, maintaining, and repairing equipment such as rooftop air conditioning units, blast chillers, tumble chillers, ice builders, walk-in refrigerators/freezers, cook-chill steam kettles and all other chilled equipment used in cooking.

Perform inspections of refrigeration systems, food processing equipment, ammonia detection systems, fire protection systems, compressed air systems, engine room and other facility components related to refrigeration systems at intervals prescribed by the PSM or Plant Management.

Document all inspections and provide records to management to ensure maximum operating efficiency in order to conform to all required district, state, and federal health and safety rules.

Responsible for training all food service maintenance employees (i.e., Food Service Equipment Technicians, Food Service Maintenance Supervisor, STA's) with the proper operation and use of refrigeration systems.

May assist Plant Manager in selecting and/or supervising contractors and approving contractor payments.

May Assist Plant Manager, Accounting Coordinator, and Food Service Administrator to develop yearly budget for Food Service building refrigeration operations and maintenance.

Provide communication with Plant Manager, district personnel (Facilities and Maintenance leaders) regarding the plant's refrigeration activities (i.e., visual check of major components associated with the ammonia refrigeration system and major repair or replacement of components.

Uses computerized record keeping system to maintain a service log on all refrigeration equipment repaired.

Provides input for the evaluation of assigned staff.

May perform first aid and/or CPR/AED, when necessary.

Conforms to safety standards as prescribed.

Performs other tasks related to the position as assigned.

**DISTINGUISHING CHARACTERISTICS:**

Involves work in the refrigeration trades to repair and/or maintain facility in accordance with Maintenance Department guidelines and PSM.

**KNOWLEDGE, SKILLS AND ABILITIES:**

Knowledge of refrigeration, mechanical, electrical, and plumbing systems.

Knowledge of ammonia refrigeration equipment, pumps and compressed air systems.

Knowledge of computer maintenance control systems; reading and use of process flow diagrams, piping and instrumentation diagrams and "as built" drawings.

Knowledge of ammonia refrigeration equipment, pumps and compressed air systems.

Knowledge of first aid, CPR/AED, and universal precautions.

Excellent oral and written communications skills.

Ability to recognize, understand and interpret local, state and national codes: such as, UBC, UMC, UPC, NEC and EPA.

Ability to exercise judgment as to when to act independently and when to refer situations to an administrator.

Ability to interpret and apply technical instructions and operating procedures.

Ability to read and interpret written and/or oral instructions.

Ability to perform mathematical computations and analysis.

Ability to operate, maintain and keep inventory of hand and power tools, equipment such as, meters, gauges and personal protective equipment.

Ability to use a computer as an analytical tool.

Ability to meet predetermined deadlines.

Ability to perform strenuous, physical work.

Ability to safely move and relocate heavy objects.

Ability to read and interpret blueprints, schematics, specifications, and plans.

Ability to work flexible hours or shifts.

Ability to work in confined areas.

Ability to withstand heights and perform work safely.

Ability to work cooperatively with employees, contractors/vendors and students.

Ability to recognize and report hazards and apply safe work methods.

**QUALIFICATIONS:**

**TRAINING AND EXPERIENCE:**

High school graduation or other equivalent (i.e., GED, college, technical, or trade school transcript, foreign equivalency, etc.).

Two (2) years technical training in HVAC/Refrigeration; plus, Five (5) years experience in Refrigerant Blends, CFC's HCFC's and Ammonia Refrigeration Systems; or,

Four (4) year technical training in Ammonia Refrigeration Systems; plus, Two (2) years experience in (hands-on) Ammonia Blends, CFC's, HCFC's and Refrigeration Systems.

**LICENSES AND CERTIFICATES:**

Industrial Refrigeration Certification for ammonia refrigeration system.

Valid, Class C Nevada Driver's License. Must be maintained for the duration of the assignment.

Copy of current driving history issued by the Department of Motor Vehicles at time of application or Qualified Selection Pool (Q.S.P.) placement **and** at time of interview prior to final selection.

Certification as a Universal Refrigerant Handler in accordance with EPA Federal Regulation 40, CFR 82.

Must be maintained for the duration of the assignment.

Current Southern Nevada Food-handler Health Card at time of application or Qualified Selection Pool (Q.S.P.) placement **and** at time of interview prior to final selection. Must be maintain for the duration of the assignment.

Current First Aid certificate. Must be maintained for the duration of the assignment. (If certification is not in possession at time of application, it must be obtained within one (1) month of hire date.)

Current Cardio-Pulmonary Resuscitation (CPR)/Automatic External Defibrillator (AED) certificate from an American Heart Association and/or American Red Cross approved course. This approval must be specifically stated on the certificate. Certification must be maintained for the duration of the assignment. (If certification is not in possession at time of application, it must be obtained within two (2) months of hire date.)

**PREFERRED QUALIFICATIONS:**

1. Member of IIAR (International Institute of Ammonia Refrigeration).
2. A.A.S. degree in Industrial Maintenance Technology.
3. Management experience and good communication skills.

**DOCUMENTS REQUIRED AT TIME OF APPLICATION:**

1. High school graduation or other equivalent (i.e., GED, college, technical, or trade school transcript, foreign equivalency, etc.).
2. College transcript, if applicable.
3. Industrial Refrigeration Certification for ammonia refrigeration system.
4. Valid Class C Nevada Driver's License.
5. Universal Refrigerant Handler Certification.
6. Copy of current driving history issued by the Department of Motor Vehicles.
7. Current Southern Nevada Food-handler Health Card, if applicable.
8. Current Cardio-Pulmonary Resuscitation (CPR)/ Automatic External Defibrillator (AED) certificate, if applicable.
9. Specific documented evidence of training and experience to satisfy qualifications.

**EXAMPLES OF ASSIGNED WORK AREAS:**

Clark County School District schools and district facilities.

**Strength:** Medium/Heavy – exert force of 50-100 lbs, frequently, 25-50 lbs, occasionally, or up to 10-20 lbs, constantly. May involve significant stand/walk/push/pull/carry.

**Physical Demands:** Frequent stooping, kneeling, crouching, reaching, handling, repetitive fine motor activities, feeling, hearing, climbing, and balancing. Vision: Frequent near and far acuity, depth perception, focal length change and color vision.

**Environmental Conditions:** Varies from a climate controlled office setting to work outdoors with temperatures ranging from mild/moderate to extreme cold/heat. Exposure to noise intensity levels ranging from moderate to loud and occasional to frequent time periods, and frequent electrical shock hazards.

**EXAMPLES OF EQUIPMENT/SUPPLIES USED TO PERFORM TASKS:**

Various computers and software applications, district-issued/personal vehicle, computerized maintenance control systems, use of hand tools, power tools, ruler, calculator, Volt-Ohm Ammeter (multi-meter), thermometer, pressure gauge, psychrometer, linear displacement meter, micrometer, emergency and personal protective equipment, telephones, fax machines, copiers, two-way radios, hydraulic lift-gates, fork lifts, pallet jacks (electric), scissor lifts, hand trucks, ladders, etc.

Clark County School District is an Equal Opportunity Employer. In compliance with the Americans with Disabilities Act, Clark County School District will provide reasonable accommodations to qualified individuals with disabilities.

Individuals with a disability who require reasonable accommodation(s) during any step of the screening process or who have questions about qualifications should notify a representative in Support Staff Personnel. Notification may be made in person, in writing, or by calling: (702) 799-5334 (V).

05/24/07

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