

United States Department of Agriculture

RESEARCH, EDUCATION, AND ECONOMICS AGRICULTURAL RESEARCH SERVICE www.ars.usda.gov

"Solving Problems for the Growing World"

VACANCY ANNOUNCEMENT

Announcement Number: ARS-D4E-0391A

Demo

Position Title/Series/Grade:

Air Conditioning Equipment Mechanic

WG-5306-11

Promotion Potential: WG-11

Employment Type: Full-time - Temporary

Grade and Salary Range:

WG-11 \$21.55 - \$25.17 Per Hour

Location of Position:

Facilities Management and Operations Division

Operations and Maintenance Section

Beltsville, MD

Who Can Apply:

All U.S. Citizens

Opening Date: September 27, 2004

Closing Date: Open Until Filled (First Cut-Off Date

will be October 12, 2004 with subsequent cutoff dates

every two weeks)

For copies of vacancy announcements and/or application materials, please call (301) 504-1482. For additional information regarding employment opportunities, please visit http://www.afm.ars.usda.gov/hrd/jobs/apply.htm.

Contact Information

Human Resources Specialist:

Susan Mooring (301) 504-1360

DC Relay Service: (202) 855-1234 (TDD)

Send Applications to:

USDA, Agricultural Research Service

Human Resources Division

Attn: Susan Mooring

5601 Sunnyside Avenue, Stop 5104

Beltsville, MD 20705-5104

Fax: (301) 504-1535

E-mail: scirecruit@ars.usda.gov

Applications must be postmarked, e-mailed or faxed by the closing date of the announcement. Applications received in Government envelopes will not be considered.

Please take advantage of the Application Package Checklist at the end of this announcement to ensure your application is complete.

**ANNOUNCEMENT IS AMENDED TO CHANGE THE ANNOUNCEMENT TYPE AND TO REMOVE THE TWO POSITIONS AVAILABLE STATEMENT

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Applications will also be accepted from USDA Surplus and Federal Displaced Employees in the commuting area.

Major Duties:

The incumbent will perform tasks related to refrigeration and air conditioning systems designed to support research programs. The incumbent plans and lays out work, calculates heat loads, humidity and refrigeration requirements, prepares sketches, circuit diagrams and interprets blueprints and specifications. Other duties will include installing, modifying, repairing and maintaining equipment associated with special purpose areas requiring environmental control to include plant growth chambers/rooms, animal rooms, insect rooms, fruit and vegetable storage rooms. Installs, modifies, repairs and maintains a variety of specialized laboratory equipment such as freeze dryers, refrigerated centrifuges, reverse cycle heat pumps and cascade systems, working closely with scientific personnel to produce the specific environmental conditions required to support research programs. Installs, modifies, repairs and maintains climatic controls and systems on special laboratory facilities, including such requirements as dust controls, negative or positive pressurized areas, constant temperature and humidity areas. Installs, services and maintains control systems using electric, electronic, solid state pneumatic controls. Installs, maintains, adjusts, repairs, dismantles and overhauls large, complex refrigeration air conditioning systems (commercial, industrial and special types), heavy duty compressors, condensers, evaporators, receivers and purgers, etc.

Basic Requirements

Applicants must have experience and/or training sufficient scope and quality to perform the duties required. Applicants will re rated in accordance with their knowledge and skill in the job elements listed below.

- 1. Ability to do the work of an Air Conditioning Equipment Mechanic without more than normal supervision (**SCREEN OUT**).
- 2. Knowledge of equipment assembly, installation, repair, etc.
- 3. Technical practices (theoretical, precise, artistic)
- 4. Ability to interpret instructions, specifications, etc., (includes blueprint reading).
- 5. Ability to use and maintain tools and equipment.
- 6. Troubleshooting.

SUPPLEMENTAL QUESTIONNAIRE: Applicants will be required to complete a supplemental questionnaire. The questionnaire **is attached**. Applicants who fail to complete and return the questionnaire will **NOT** receive further consideration for this position.

PHYSICAL REQUIREMENTS: Considerable physical effort is used when working on parts or systems that are in hard to reach places. Employees must bend, stoop, kneel and work in tiring and uncomfortable positions. Must frequently carry and set up parts and equipment that weigh 30 to 50 pounds.

Working Conditions and Other Considerations:

The work is performed inside and outside. Incumbent is subject to burns, electrical shocks, cuts and bruises and sudden changes in temperature from hot to cold. Is exposed to the possibility of toxic effects on eyes, skin, and respiratory system when working with refrigerant gases.

As a condition of employment, the incumbent must be available for on-call duty outside normal duty hours. Employee may be required to work weekends, holidays or after hours when necessary.

Employee may be required to report for duty during emergencies, critical periods, or during times when the Government is closed due to inclement weather.

The incumbent must possess and maintain a universal (Types I, II, and III) CFC certification for recovery and recycling of refrigerants for all phases/levels.

Must possess and matain a valid State issued motor vehicle operators license (Driver's License).

This position is part of a work function currently undergoing a competitive sourcing study. At the end of the study, a decision will be made as to whether the function will continue to be performed by federal employees or will be contracted out.

SUPPLEMENTAL QUESTIONNAIRE Air Conditioning Equipment Mechanic WG-5306-11

ELEMENT 1

Ability to do the work of an Air Conditioning Mechanic without more than normal supervision (SCREEN OUT)

(SCREEN OUT)	
Describe your experience working with large air condition heating, cooling, humidifying, dehumidifying, cleaning, functions that made up the system.	oning systems that consist of a variety of functions, such as filtering and/or circulating air. Include the model and the
Describe your level of independence planning and laying	out major work assignments
Describe your level of independence planning and laying	out major work assignments.
Indicate below, your experience installing and repairing a for various structures. <i>Be sure to check all that apply.</i>	nir conditioning systems with specific requirements and/or
 Warehouse Ships Hospitals Apartment complex Large office buildings Submarines 	Communication Centers Electronic Data Processing Center Operating Rooms Laboratories Link Training Rooms Other (specify)
Indicate your experience working with systems using a va	ariety of air conditioning methods. Check all that apply
Mechanical CompressionAbsorptionAir Cycle	Vapor CompressionSteam Jet Cycle

ELEMENT 2-E

Knowledge of Equipment Assembly, Installation, Repair, etc.

List the different types of equipment, assemblies, or components on which you have worked. Use the "type of experience" codes below that best describes your level of experience with each type of equipment listed. *Use all codes that apply*

1-Assembled 2-Disassembled 3-Installed 4-Tested

5-Calibrated 6-Adjusted 7-Maintained 8-Repaired

9-Overhauled 10-Troubleshooting 11-Modified

Equipment Mft./Model Size/Capacity Type of Experience

ELEMENT 25-E Technical Practices (theoretical, precise, artistic)

Describe an experience when you were required to use judgment and creativity to complete an assignmen		
Use the codes below that best describes your k	knowledge of the following principles and theories.	
1-Some knowledge/require assistance	2-Expert Knowledge	
3-Experience training others	4-No knowledge	
Refrigeration Cycle Refrigerant tables Pressure-temperature characteristics	Heat transfer lawsCalculate air flow	
Using the same codes as above, describes you	r knowledge of the following:	
Compressors	Refrigerant Controls	
Gear Reciprocating Centrifugal Rotary pump Other (Specify)	Low & high pressure side floats Automatic thermostatic expansion valves Capillary Challes turned	
Rotary pump Other (Specify)	Choke types Other (specify)	
Motor Controls Hermetically sealed motors Pressure controls Thermestatic motor		
Thermostatic motor Full defrosting controls Semi-automatic controls Relays Other (Specify)		

ELEMENT 75-B Ability to interpret instructions, specifications, etc. (Includes blueprints and schematics)

Check the response that describes y	our work situations.					
Under close supervision, fo	llows specific instructions.					
Follows work orders and wand methods used.	ork from sketches or basic blueprints which are complete in terms of materials					
Interprets complex instructi	ons, sketches, blueprints, diagrams, and/or building codes.					
Use judgment and experien	Use judgment and experience to adapt specifications.Responds to frequent, new or changed instructions or specifications.					
Responds to frequent, new						
Provides guidance and instr	Provides guidance and instructions to others on the full range of specifications.					
Choose the number that best descride your work and put that number	bes your experience with the following types of instructions you have followed to in the appropriate blank(s).					
1. Have not used	2. Used with assistance from others					
3. Used independently	4. Provided instructions to others					
Blueprints Manufacturers' specs Work Orders Drawings with different trace	Building Codes Building Plans Technical Manuals Wiring Diagrams Drawings Engineering Drawings de symbols					
ELEMENT 81 Ability to use and maintain tools	and equipment					
Choose the code that best describes	s your ability to use the tools listed below.					
1. Have not used	2. Used with assistance from others					
3. Used independently	4. Provided instructions to others					
 Manometer Thermocouples Micrometer Manifold Assembly Meggar Hydrometer Flaring Tool Pipe Threader 	Anamoter Hermatic Test Equipment Psychrometer Torque Wrench Depth Gauge Vernier Calipers Air Velocity Meter Voltmeter Ohmmeter Pressure Gauge Leak Detector Bender Swedging Tool Oxyacetylene Torch Pipe Cutter Drill Press Hand Drill					

ELEMENT 95 Troubleshooting

Check the types of experience you have had in resolving problems.	
Locate and resolve simple problems or malfunctions through sound or appearance. Locate problems or malfunctions through detailed inspection, advanced circuit testing or diagnostics, using testing instruments, resolve problems and malfunctions with the help of other journeymen. Locate problems or malfunctions through detailed inspection, advanced circuit testing or diagnostics, using testing instruments, resolve problems and malfunctions independently, Locate and diagnose difficult problems or malfunctions requiring specialized knowledge. Provide consultation to other workers in resolving difficult problems or malfunctions.	and
I possess a valid Motor Vehicle Operator's License (Driver's License).	
Yes No	
I possess a valid Universal (Type I, II, and III) technician certification for refrigerant transition and reco	very
Yes No	
I certify that all of the preceding statements on this SUPPLEMENTAL QUESTIONNAIRE are correct a true to the best of my knowledge.	nd
Signature & Date	

Other Important Information

Benefits Package:

A Benefits Package is not authorized for this position. Additional information about Federal benefits can be obtained at www.usajobs.opm.gov/ei61.htm.

Veteran's Preference:

For further details, call the U.S. Office of Personnel Management (OPM) at 478-757-3000 or TDD 478-744-2299. Select General Information on the Federal Employment Policies and Procedures, and then Veterans Preference and Special Appointing Authorities for Veterans. Visit their VetGuide website at http://www.opm.gov/veterans/html/vetguide.asp.

Relocation Expenses:

Payment of relocation expenses will be determined in accordance with P&P 412.5, Recruitment and Retention Incentives and Other Special Pay, Sections 6 and 7, as amended by Bulletin 03-402, which may be found at: http://www.afm.ars.usda.gov/hrd/staffing_recruit/reloweb.htm.

Financial Disclosure Requirement:

Federal employees are subject to prohibitions against officially dealing with outside organizations in which they have a financial interest. You may be required to submit a financial disclosure report if hired for this position.

False statements:

If you make a false statement in any part of your application, you may not be hired; may be fired after beginning work; or may be fined or jailed.

Optional Form 306, (Declaration for Federal Employment):

If you are selected for this position, you will be required to complete this form before an offer may be made.

USDA Surplus/Federal Displaced Employees:

USDA Surplus/Federal displaced employees must submit documentary evidence of eligibility. Well qualified surplus and displaced employees within the local commuting area will receive selection priority as provided by OPM regulations. Well-qualified means the applicant meets the basic qualification and eligibility requirements and all selective placement factors; is rated above minimally qualified against the KSAs or quality criteria; and is able to satisfactorily perform the duties of the position upon entry. Applicants must submit the following:

- 1) a copy of your RIF Separation Notice or Certification of Expected Separation or other documentation indicating that you are a surplus employee;
- 2) evidence of full performance level of current position;
- 3) a copy of your most recent performance appraisal; and
- 4) a copy of your most recent SF-50, Notification of Personnel Action, to verify reassignment eligibility.

Selective Service System:

Males over age 18 who were born after December 31, 1959, must have registered with the Selective Service System (or have an exemption) to be eligible for Federal employment.

Reasonable Accommodation:

Reasonable accommodation is provided to applicants with disabilities. If you need a reasonable accommodation for any part of the application and hiring process, or have questions regarding reasonable accommodation and/or accessibility for any part of the application and hiring process, please contact the Disability Program Manager on 202-720-6161 or through the DC Relay Service on 202-855-1234 (TDD). The decision to grant reasonable accommodation is made on a case-by-case basis.

Civil Rights Policy Statement:

The U.S. Department of Agriculture (USDA) is an equal opportunity employer and provider. Discrimination is prohibited in all USDA programs and activities on the basis of race, color, national origin, gender, religion, age, disability, political beliefs, sexual orientation, and marital or family status. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's Target Center on 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 1400 Independence Avenue, SW, Washington, D.C. 20250-9410 or call 202-720-5964 (voice and TDD).

Application Package Checklist

If application packages do not contain all of the requested information, you may lose consideration for the job. To help you ensure your application fully outlines your qualifications and eligibility for this position, please submit the following documentation.

	Optional Form 612 (Optional Application for Federal Employment), SF-171 (Application for Federal Employment), Resume, Curriculum Vitae, or other document outlining your qualifications (Go to http://www.opm.gov/forms/html/of.asp and scroll down to obtain the OF-612).
The	following information is required of all applicants:
	Announcement number, title, and grade(s) of the position
	Full name, mailing address (including zip code) and day and evening phone numbers (with area code)
	Social security number
	Statement that you are a U.S. citizen (if not using the OF-612 or SF-171)
	Copy of DD Form 214 (Certificate of Release or Discharge from Active Duty) (if claiming veterans preference) (Visit http://www.opm.gov/veterans/html/vetguide.asp for additional information).
	SF-15 (Application for 10-point Veteran's Preference) plus the support documentation required by this form (if claiming 10-point veterans preference) (Go to the web site at http://www.opm.gov/forms/html/sf.asp to obtain form.)
	Paid and non-paid work experience related to the position. For each period of work experience include: Job titleSeries/grade (if Federal employment)Duties and accomplishmentsEmployer's name and addressSupervisor's name and contact informationStarting and ending dates of employment (at least month & year)Number of hours worked per weekSalaryIndicate if we may contact current supervisor/employer
	Other job related information, such as training courses (title & year); skills (e.g., other languages, computer software/hardware, tools, etc.) Certificates/licenses (current) Honors, awards, and special accomplishments Supplemental questionnaire if applicable (usually for Federal Wage System positions - WG, WL, WS)
	Copy of college transcripts (if qualifying all or in part on the basis of education for this position) (If you have non-conventional education, e.g., foreign study, continuing education units, life experience, etc., go to the web site at http://www.opm.gov/qualifications/SEC-II/s2-e4.htm#e4a and look under the heading "Other Education" for information governing acceptability of this type of education.)

Copy of SF-50 (Notification of Personnel Action) to verify possession of competitive civil service status (if you are a current or previous federal employee)
Copy of most recent performance appraisal (if you are a current federal employee)
Second copy of application package (if the position is open to candidates outside the federal government AND if you are a current federal employee or a candidate with reinstatement eligibility and wish to be considered under both merit promotion and competitive examining procedures).
Support documentation for eligibility for special hiring authorities, such as disability, Peace Corps service, etc. (If you have questions about whether you are eligible for a particular hiring authority, please call the servicing HR specialist or visit the web site at http://www.usajobs.opm.gov/a2.htm and scroll down to the subject heading, "Category".)
Support documentation if you are a USDA surplus or federal displaced employee (See pertinent section under "Other Important Information" below.)
Self-certification of typing speed (if required as a basic qualification for the position)
While not required, a separate response to the required knowledge, skills, and abilities (KSAs listed under Specialized Experience) and Selective Placement Factor(s), if present, for this position may better highlight your specific qualifications for this position. (For an explanation of KSAs, go to the web site at http://www.ars.usda.gov/careers/whatksa.html).

If this is your first time applying for a federal job, or if you wish to view more detailed information about various aspects of applying for federal jobs, go to http://www.opm.gov/forms/html/of.asp and scroll down to access the Office of Personnel Management (OPM) Optional Form 510.