

**DELAWARE NATIONAL GUARD  
STATE POSITION VACANCY ANNOUNCEMENT**

**\*UPDATED DEADLINE\***

**ADMINISTRATIVE DATA:**

<b>Position Title:</b>	<b>Announcement Number:</b>	<b>Opening Date:</b>	<b>Application Deadline:</b>
Fuel Distribution Systems Mechanic	PVA # 11-24	17-Oct-23	16-Nov-23
<b>Position Description #:</b>	<b>Position Number:</b>	<b>Pay Scale &amp; Grade:</b>	<b>Salary Range:</b>
S86271-01	11531	WG-10	\$30.71 - \$35.85 hourly
<b>Appointment Type:</b>	<b>Military Requirement:</b>	<b>Department:</b>	<b>Occupational Series:</b>
Permanent	Non-Dual Status	Air	4255
<b>Supervisory/Managerial Status:</b>	<b>Work Schedule:</b>	<b>Travel Required:</b>	<b>Relocation Authority:</b>
No - Neither	Full-Time	Not Required	No
<b>State Personnel Branch Contact Information:</b>		<b>Work Location:</b>	
Email: ng.de.dearnng.list.hro-state@army.mil Phone: 302-326-7477		166th Civil Engineer Squadron New Castle, DE 19720	

**AREA OF CONSIDERATION:**

- AREA I** - All presently employed permanent Title 20 Non-Dual Status employees of the Delaware National Guard.
- AREA II** - All presently employed permanent Title 20 Dual Status employees of the Delaware National Guard.
- AREA III** - All current military members of the Delaware National Guard (Army or Air) eligible for Title 20 employment.
- AREA IV** - All other presently employed permanent employees of the Delaware National Guard eligible for Title 20 employment.
- AREA V** - All personnel eligible for Title 20 employment in the Delaware National Guard.

**SELECTIVE PLACEMENT FACTORS:**

**APPLICATION PROCEDURES:** All interested applicants for this position must submit a completed DNG State Employment Application, Resume, Copy of front and back of valid Driver's License (or State Issued ID), & supporting/miscellaneous documents as required in the individual PVA. Application packets should include written or documented proof of education, training, and work experience deemed necessary to adequately respond to general and specialized experience. Professional licenses or education transcripts necessary to validate qualifications should be submitted as required in the PVA. Do not include photo copies of awards, letters of commendation, enlisted or officer performance reports, performance appraisals, and personal photos unless specifically requested in the PVA.  
**Application packet must be forwarded to Joint Force Headquarters, ATTN: NGDE-HRO-SP via email to: ng.de.dearnng.list.hro-state@army.mil as one package, NOT LATER THAN 5:30:00 p.m. on the business day of the Application Deadline of the position.** Applications received AFTER the application deadline WILL NOT BE CONSIDERED.

**MINIMUM QUALIFICATION REQUIREMENTS:** Each applicant must show how they meet the General and Specialized Experience and other requirements listed below; otherwise, the applicant may lose consideration for this job.

**EVALUATION METHOD:** All applicants will be evaluated against the mandatory qualifications identified on this announcement IAW the NGB Qualifications Standard and/or the OPM Qualifications Standards as appropriate. Evaluation is based on the information provided by the applicant to determine if the individual possesses the minimum qualifications necessary to perform the duties and responsibilities of the position.

**EQUAL OPPORTUNITY:** The Delaware National Guard is an Equal Opportunity Employer. All qualified applicants will receive consideration without regard to political, religious, or labor organization affiliation or non-affiliation, marital status, race, color, sex, national origin, age, non-disqualifying physical challenges (applicable only to competitive appointments) or any other factor not job related.

**CONDITIONS OF EMPLOYMENT**

- Selectee will be required to participate in Direct Deposit/Electronic Funds Transfer as a condition of employment.
- No commitment will be made to any nominee prior to a review of qualifications by this office.
- A pre-placement physical/examination MAY BE required for employment. (see position description)
- Must be able to obtain and maintain a SECRET Security Clearance
- Applicants must be legally authorized to work in the United States. DNG participates in E-Verify.

**Phillip M. Croall**  
Delaware National Guard  
Director, Human Resources

**DISTRIBUTION:**  
1 – Requesting Official  
1 – DNG Website

## SUMMARY OF DUTIES AND RESPONSIBILITIES

The complete position description is on file in the HRO (State Personnel Branch) and available for review upon request

- Inspects and tests fuel receiving, storage, and distribution facilities and performs preventive maintenance on fuel systems and components. Inspects fuel tanks and vents for proper ventilation. Checks interior and exterior of tanks for corrosion, leakage, contamination, and sludge and correct operation of roof sumps, roof seals, liquid level gauges, product recovery systems, etc., and inspects gauging equipment for calibration. Performs corrosion control on exposed piping. Performs ground resistance tests and pressure checks system to identify leaks. Checks pumps for unusual noise, vibration, and proper operation. Performs hydrostatic tests on hoses. Tests and calibrates fuel flow meters, and checks manual and diaphragm valves for proper operation. Conducts diagnostic checks on sensors, alarm components, and emergency shutoffs. Inspects tank cleaning equipment such as portable pumps, respirators, air lines, harnesses, hoses, and compressors. Inspects entire fuel distribution system and components to detect possible explosive and toxic hazards and system deficiencies. Conducts follow-up inspections of contractor and in-house repairs. Maintains records of inspections, maintenance, and repairs, as required.
- Performs all phases of liquid fuel system and component maintenance including preventive maintenance, troubleshooting, repair, and modification. Removes installs, repairs, and troubleshoots component parts of fuel systems to correct malfunctions of turbine, centrifugal, and rotary pumps, manually operated plug/ball valves, hydraulically operated diaphragm-type valves, pilot control systems, tank gauges and vents, filter separators, fuel flow meters, hydrant outlets, differential pressure gauges, and truck loading and fill connections. Performs modification of systems in accordance with applicable manuals, technical publications, and manufacturer's specifications. Lubricates valves and pumps; replaces gaskets and seals; corrects pumping equipment misalignment; cleans strainers and filters; services filter separators; and checks meters for correct delivery and calibration.
- Troubleshoots, overhauls, removes, and replaces high/low level controls, liquid level gauges, automatic fueling/defueling valves, pressure regulating valves, water drain valves, excess flow valves, pressure/vacuum vents, and roof seals and sumps. Cleans and purges equipment. Disassembles units and examines component parts for evidence of scratches, wear, cracks, pits, or breaks. Troubleshoots, repairs, and tests equipment installed in vehicle gas stations and truck loading fill stands. Performs liquid calibration of fuel storage tanks and flow meters. Measures, cuts, threads, joins, and fits piping as required to perform system modification or to repair/replace system components.
- Troubleshoots and repairs problems in the electrical components of liquid fuel distribution systems. Performs electrical inspection of electro-mechanical components. Uses multi-meter to check system continuity and identify minor system problems.
- Coordinates, oversees, and documents contract repair and maintenance work on fuels storage, distribution systems and support infrastructure.
- Performs full range of plumbing tasks including estimating material requirements, i.e., pipe, fittings, and fixtures in the sizes, types, or lengths needed; locating and marking spots for openings through which pipes are to pass or in which equipment will be installed; threading and pipe bending operations; determining and marking guide lines; placing and connecting air, natural or manufactured gas, sewage, and water fixtures and facilities such as water and wastewater treatment plants, hydrants, water mains, water closets, lavatories, showers, sinks, etc.; clearing difficult stoppages in drainpipe; performing assembling of pipe sections and hanging or laying of assemblies into position; testing joints and piping for leaks; laying and joining concrete, clay or iron pipe in ditches; installing and repairing valves; inspecting and testing piping after completing repairs, alterations, or additions; periodically checking piping, fittings and fixtures for defective parts or connections; and disassembling and repairing damaged sections.

## SIGNIFICANT INFORMATION PERTAINING TO THIS POSITION

This position is located in the Civil Engineer Squadron, Mission Support Group, Air National Guard Wing. The primary purpose of this position is to maintain, inspect, install, replace and modify liquid fuel storage and fuel distribution systems and their electrical components for Real Property Installed Equipment (RPIE) for Civil Engineer (CE) functions on the installation or any assigned Geographical Separated Units (GSUs).

## QUALIFICATION REQUIREMENTS:

### GENERAL EXPERIENCE:

Experience or training demonstrating knowledge of hydraulics, fluids, gases and mechanics as applied to fuel systems and components repair techniques. Experience using tools and equipment associated with the trade and reading and interpreting directions.

### SPECIALIZED EXPERIENCE:

Experience or training operating, maintaining, repairing, troubleshooting and overhauling fuel systems and components. Experience or training initiating and controlling the movement and storage of fuel supplies by operating high pressure systems with a series of terminals connected by cross-country pipelines or multi-fuel storage and distribution facilities connected by a network of internal pipelines.

**SUBSTITUTION OF EDUCATION FOR SPECIALIZED EXPERIENCE:** N/A

**QUALITY OF EXPERIENCE:** Length of time is not of itself qualifying. Applicant's experience will be evaluated on the basis of duties performed rather than strictly on the rank of the individual. The applicant's record of experience, training, and education must show possession of the knowledge, skills and abilities needed to fully perform the duties of the position.

## PROBATIONARY PERIOD

Employees will normally serve a one year probationary period. The probationary period is the initial one year intended to ensure the employee is capable of performing the duties of the job and to determine whether they have the qualities needed for continued employment. (TPR 300 para 1-7)