

**NEBRASKA NATIONAL GUARD  
HUMAN RESOURCES OFFICE  
2433 NW 24<sup>TH</sup> STREET  
LINCOLN, NEBRASKA 68524**

***ACTIVE GUARD RESERVE VACANCY ANNOUNCEMENT***

**Announcement Number:** AGR-AF-26-016

**Closing Date:** 15 April 2026

**Position Title:** Bio-Environmental Engineering

**Location:** 155<sup>th</sup> MDG, Lincoln, NE

**Military Grade Range:** Minimum SSgt/E5 - Maximum MSgt/E-7

**Military Requirements:** Designated AFSC for this position is 4B071. PULHES: 333323; Lift Requirements: 80lbs.; ASVAB: G=49. Must be able to obtain and maintain a SECRET security clearance. This AFSC is NOT open to non-US Citizens. Applicants will review the qualifications for the award of this AFSC in the AFECD. Failure to review these qualifications may result in the applicant not being eligible for the position.

**Area of Consideration:** All members of the Nebraska Air National Guard, or those eligible to become members, in the grades of E5 through E7 with a minimum AFSC of 4B051

**Specialty Summary:**

This position is located in the Medical Group at the Nebraska Air National Guard Wing. The purpose of this position is to provide a professional Industrial Hygienist to plan, schedule, execute, manage, and administer the installation-wide Industrial Hygiene/Bioenvironmental Engineering Program (IH/BEE), which includes occupational health/industrial hygiene, radiation safety, and environmental monitoring to maintain and promote the health and well-being of military and technician personnel.

**Duties and Responsibilities:**

- (1) As an Industrial Hygienist, ensures statutory and regulatory compliance with applicable Occupational Safety and Health Administration (OSHA) and Air Force (AF) Occupational Safety and health directives and other Federal, State, and AF regulations. Acts as the technical expert and advisor to Wing leadership on all issues pertaining to the above directives. Serves as an expert advisor concerning OSHA, the Environmental Protection Agency (EPA), Nuclear Regulatory Designs/develops training aids and materials that provide specific guidance and direction for the area of assignment.
- (23) Serves as advisor to state occupational safety and health councils, member/advisor on management boards and committees concerning industrial health and BE issues. Prepares the annual BE program budget and ensures it is submitted to NBG functional manager for approval.
- (24) Develops, writes, schedules, and implements the training plans for subordinate employee(s). Monitors progression and ensures requirements of the USAF, federal, and state agencies are met in a timely manner. Responsible for the management of personnel actions under the control of the

senior employee. Such actions include counseling, promotions, awards, etc.

(25) Plans and organizes the work of subordinates. Assigns work and provides guidelines on methodology and scope or required performance. Initiates personnel actions, adjusts informal complaints, and recommends disciplinary action as required.

(26) Manages BE specific equipment calibration and accountability. Coordinates calibration through Installation PMEL representative or NGB. Complete annual inventories within unit, Wing, and NGB directives and complete reporting as required.

(27) Performs other duties as assigned. This may include but is not limited to, Unit Emergency Preparedness Coordinator, Unit Security Manager, Unit Safety Representative, Vehicle Manager, and Unit Equipment Manager.

Commission (NRC), and US Air Force on installation health matters such as, (a) health hazard identification, evaluation and abatement; (b) workplace surveillance, (c) medical-legal documentation, (d) ionizing and non-ionizing radiation, (e) Optically Stimulated Luminescence (OSL) (f) drinking water, (g) hazardous wastes, (h) Agency for Toxic Substances and Disease Registry (ATSDR) activities, environmental assessment, (i) environmental sampling, and (j) other environmental monitoring. Serves as an installation expert regarding Nuclear, Biological, and Chemical readiness issues.

(2) Researches industrial operations and develops, implements, and executes surveillance strategies, inspections and evaluations of operational facilities and various activities to detect and mitigate health hazards. Completes workplace evaluations using the Industrial Hygiene Routine Assessment Methodology (IH RAM) on installation work centers in accordance with Department of the AF Instruction (DAFI) 48-145, Occupational and Environmental Health Program. Executes appropriate methods and techniques of surveys. Performs base wide no-notice, spot, and special inspections of operational facilities and worksites when statistical analyses and conditions dictate need, when new equipment is to be installed, and/or when hazardous conditions exist. Identifies potential physical, biological, and chemical health hazards in the workplace; evaluates exposure to workers, and prescribes corrective measures which may include changing work processes/procedures, adding/modifying engineering controls, making chemical substitutions, or using personal protective equipment.

(3) As necessary, invokes authority to cease any operation due to potentially life threatening conditions. In the case of serious or acute conditions, chronic illnesses, etc., performs follow-up interviews and provides professional guidance to the affected or involved employee(s), physician(s), hospital/clinic, and supervisor(s) to prevent future similar situations. Documents findings using complex inter-relational data basing systems.

(4) Determines and assigns Risk Assessment Code (RAC) to health hazards. Establishes RAC based on potential of significant health risks in relation to occupational health related exposure. Maintains a deficiency log. Prepares, reviews for comments/clarification, and submits AF Form 457, USAF Hazard Report, to the safety office. Reviews AF Form 457 from unit for comment and clarification and forwards to safety office. Prepares and issues AF Form 1118, Notice of Hazard, to shop supervisor and ensures its posting. Assists shop supervisor in completing AF Form 3, AF Hazard Abatement Plan. Monitors the abatement of occupational health hazards to ensure corrective action has been initiated. Maintains record of occupational health-related RAC 4/5 hazards until appropriate corrective action is completed.

(5) Reviews plans for new and existing facility construction projects. Ensures applicable regulations, to include OSHA and EPA criteria are incorporated and notes where deficiencies are, recommending appropriate changes to facilities that would assure integration of occupational and environmental health and industrial hygiene controls to prevent adverse health and environmental impacts.

(6) In coordination with Aerospace and Operational Medicine Enterprise, plan, manage, and execute the installation Environmental Health (EH) program. Coordinates and teams with stakeholders and mission partners as applicable, such as the Civil Engineering Environmental Management Office. This includes all things Lead, Asbestos, Radon, Mold, IAQ, Water, Air, and all other EH hazards that pose a health risk to the personnel assigned and negative impacts to the environment.

(7) Develops, implements, and manages the Federal Hazard Communication Standard as mandated by OSHA. Interprets Safety Data Sheets (SDS) for employees, management and other health professionals. Provides education concerning SDS as requested by workplace supervisors. Interfaces with manufactures of hazardous materials in order to obtain the most current health hazard information available for chemicals located at each installation. Analyzes information used in preparing hazardous materials inventories and operating instructions. Provides expert technical assistance to employees for proper completion of hazardous chemical labeling and recommends processes to assure handling, storage, and disposal of toxic and other hazardous waste in accordance with applicable Federal, State, and local regulatory directives.

(8) Authorizes, reviews, and validates new hazardous material requested through the Enterprise Environmental, Safety & Occupational Health Management Information System (EESOH-MIS). Identifies low level less hazardous substitutes through expert chemical and process knowledge. Reviews and approves issues related to hazardous material, including control requirements. Researches technical orders (T.O's.) for possible substitutes, i.e. environmentally friendly products. Acts as the technical health expert and advisor to Wing leadership on issues pertaining to the Hazardous Materials Management Plan (HMMP) and other pertinent issues.

(9) Serves as the Installation Radiation Safety Officer and Installation Laser Safety Officer. Expert in all things ionizing and non ionizing radiation. Develops and implements local directives for the installation radiation program. Interprets OSL reports as they apply to the base program, ensures instructions comply with applicable directives, and develops and monitors local emergency cleanup procedures for accidental releases. Routinely surveys workplaces for compliance, providing corrective measures when non-compliance situations arise. Investigates potential radiation overexposures by conducting interviews with potentially exposed personnel, witnesses, and management/supervisory personnel and by calculating probe burnout conditions, permissible exposure limit distances, and incident exposure levels. Recreates exposure levels, and measures exposure levels at re-creation, formulating determination of exposures from available hard data and mathematical re-creations. Provides reports of findings with recommended preventative/corrective measures to the installation commander and other state and federal agencies Serves as the competent authority on radioactive material on base, controlling management of these materials from receipt to disposal. Performs leak tests of incoming and outgoing materials, takes swipe samples of radioactive waste, analyzing and documenting results. Writes guidance to users of radioactive materials to ensure related documentation is complete and properly prepared. Approves transfer and shipment of radioactive materials.

(10) Serves as the Bioenvironmental representative on the Confined Space Program Team, that ensures installation compliance with OSHA confined space standards. Evaluates the areas to determine hazards; develops and writes guidance on local controls and procedures for personnel entry into confined spaces. Reviews and approves entry permits, and provides training as needed to include the proper calibration and use of air monitoring equipment.

(11) Researches, formulates, and implements workplace air sampling strategy; performs air sampling surveys and evaluates results. Evaluates existing controls and determines and prescribes corrective measures to management such as implementation of administrative or engineering controls and/or use of personal protective equipment. Briefs installation leadership and management committees on survey results that have a potential positive/adverse impact, and provides expert technical advice on plans and correction.

(12) Conducts noise surveys before commencement of new operations or work processes, when notified that operations/processes have changes, or on a periodic basis. Researches needs and conducts sound/decibel tests in facilities or other areas where potential overexposures to noise may exist. Analyzes and implements appropriate engineering and/or administrative/procedural controls. Recommends personal protective equipment where excessive noise cannot be controlled through

other means. Provide engineering control recommendations to reduce exposure to hazardous noise below exposure limits and or document when engineering controls are not feasible. Ensures proper documentation of surveillance is provided to other agencies (i.e. Public Health) to help meet physical exam requirements and communicated to the OEHWG.

(14) Directs the Installation Respiratory Protection Program (RPP) in accordance with DAFI 48-137, Respiratory Protection Program, based on air sampling results and expert professional judgment. Ensures respiratory protection device chosen will provide proper protection against hazard identified. Controls issue of respiratory protective devices in coordination with installation base supply. Authorizes issue of respiratory protection for specific industrial processes and ensures respirator users are quantitatively fit tested. Specific training of the RP program is a requirement to be included when personnel are fit tested annually.

(15) Manages the base drinking water surveillance program, ensuring full compliance with all aspects of the EPA Safe Drinking Water Act (SDWA). Determines requirements, develops sampling strategies, and coordinates exchange of data with the consumers, Civil Engineering, local potable water providers and state regulators.

(16) Conducts the base water vulnerability assessment and provides force health protection analyses to wing management. The water vulnerability assessment includes formal written assessment of the potential risks associated. Notifies base populace and state regulators when applicable and provides advice regarding follow-up health/safety actions that should/must be taken.

(17) Coordinates and performs internal and external Environmental, Safety and Occupational Health audits. Provides information and data concerning base facilities/programs and acts as escort for auditors during external audits, and includes medico-legal documentation into medical records. Reviews and validates findings and recommends corrective actions to the Environmental Protection Committee. Conducts and provides data and status of corrective actions for internal audits.

(18) As a member of the Environmental Differential Pay (EDP) review Committee, evaluates proposed EDP situations for degree of health risk and functions as the technical expert on availability and soundness of protective equipment or clothing. Periodically reevaluates existing EDP situations for continued validity. Advises the State Human Resource Officer and Position Classification Specialist of any required additions/deletions/amendments to the state EDP plan.

(19) Updates and reviews base disaster/contingency/response plans and Toxic Industrial Chemical/ Toxic Industrial Material Threat Assessments. Participates in planning and implementation of the Full Spectrum Threat Response (FSTR) cell, for control of real world and exercise incidents. Provides input to the base security vulnerability assessment plan.

(20) Responds to actual disasters or exercises. Principal expert and advisor to on-scene commander on chemical, biological, and nuclear materials and recommends personal protection equipment requirements. Functions on scene, in the Emergency or Recovery Operations Center, in Threat Working Groups, and/or works alongside with other Local and State partners when requested.

(21) Manages the base Quantitative Fit Test (QNFT) program. Identifies, tests, and trains base personnel requiring the issue of chemical warfare gas masks. Validates individuals on the proper wear of the gas mask, Recommends corrective measures when adequate fit can not be achieved.

(22) Maintains regulations, standards and manuals; writes supplemental guidance to ANG and AF directives; prepares correspondence and a variety of reports relative to the local IH/BEE program. Develops and writes management plans containing program goals, objectives and priorities.

## Specialty Qualifications:

3.1. Knowledge. Knowledge is mandatory of basic and applied mathematics, basic chemistry, physics and computer usage, occupational & environmental health (i.e., industrial hygiene, drinking water surveillance, and radiological health), medical administration, and bioenvironmental engineering aspects of medical readiness.

3.2. Education. For entry into this specialty, completion of Algebra I, chemistry, biology, and English composition courses in high school are mandatory. Completion of high school courses in Algebra II and physics are desirable.

3.3. Training. The following are mandatory for award of the AFSCs indicated:

3.3.1. For award of AFSC 4B031, completion of the basic bioenvironmental engineering apprentice course (B3ABY4B031 0A1A; PDSCode GO4).

3.4. Experience. The following experience is mandatory for award of the AFSC indicated:

3.4.1. AFSC 4B051. Qualification in and possession of AFSC 4B031. Experience conducting bioenvironmental engineering evaluations and surveys.

3.4.2. AFSC 4B071. Qualification in and possession of AFSC 4B051. Perform and supervise health risk and vulnerability assessments, occupational & environmental health site assessments, and medical readiness requirements to include the preparation of all related correspondence, reports, and charts.

3.4.3. Attend and successfully complete the Occupational Health Measurements course (B3AZY4B071 0A1B).

3.4.4. AFSC 4B091. Qualification in and possession of AFSC 4B071. Experience managing occupational & environmental health risk assessments, surveillance, and medical readiness programs. Experience managing the overall administrative operations of the bioenvironmental engineering flight to include manpower and planning, programming, budgeting, and execution requirements.

3.5. Other. The following are mandatory as indicated:

3.5.1. See attachment 4 (part II of the Air Force Enlisted Classification Directory) for additional entry requirements.

3.5.2. For entry, award, and retention of this specialty:

3.5.2.1. No record of acrophobia or claustrophobia.

3.5.2.2. Ability to speak distinctly.

3.5.2.3. Must possess a valid state driver's license to operate government motor vehicles in accordance with Air Force Instruction 24-301, *Vehicle Operations*.

3.5.2.4. Normal color vision and depth perception as defined in Air Force Instruction 48-123, *Medical Examinations and Standards*.

3.5.2.5. Must maintain local network access IAWAFI 17-130, *Cybersecurity Program Management* and AFMAN 17-1301, *Computer Security*.

3.5.2.6. Ability to wear a 40-pound air pack while carrying 40 pounds of equipment in a totally encapsulating chemical protective suit.

3.5.2.7. Medically qualified in accordance with Air Force Instruction 48-137, *Respiratory Protection Program*.

3.5.2.8. For AFRC, minimum entry AFSC is 4B051.

## Application Instructions

Please read the application instructions as there have been changes to the application and process for applying.

### !!!-IMPORTANT NOTICE-!!!

Applications will be screened after the job closing date, not prior unless requested.

Please review your application for accuracy before you submit to HRO.

Nothing will be added to the application after 1600 hours on the closing date.

Application packets sent to [courtney.ybarra@us.af.mil](mailto:courtney.ybarra@us.af.mil) with a subject line of "Job Application AGR-AF-\_-\_(list job announcement number)".

Electronic applicants will be submitted as ONE flowing attachment.

Applications submitted in multiple attachments or adobe portfolios will not be accepted.

Applications submitted in binders or document protectors will not be accepted.

Applications or attachments which are unreachable or cannot be opened will not be accepted or considered.

- Candidates may apply by submitting a completed Application for Active Guard/Reserve (AGR) Position, NGB Form 34-1. Reference ANGI 36-101 Para 4.2 the following documents must be submitted. Packets without the appropriate documents or written explanation will not be processed for interviews. Applicants will use the following checklist to ensure proper documentation is submitted.

Yes  No    Application NGB Form 34-1, **dated 20131111**. This form can be downloaded from the Nebraska National Guard Opportunities webpage. **Previous versions will not be accepted.** \_\_\_\_\_(Initials)

Yes  No    Current RIP or SURF report **within 12 months of closing date.** \_\_\_\_\_(Initials)

Yes  No    Last 3 Evals (EPB/OPB) – If not current, provide statement addressing missing reports. \_\_\_\_\_(Initials)  
Does not apply to traditional enlisted Airman or if you have not acquired 3 evaluations

Yes  No    Current Point Credit Summary **within 12 months of closing date.** \_\_\_\_\_(Initials)  
Applies to Reserve Component/ANG Only

Yes  No    Current Flying History **within 12 months of closing date.** (if applicable)  
\_\_\_\_\_ (Initials)

Yes  No    Current AF422 or DD2992 **within 12 months of closing date.** \_\_\_\_\_(Initials)  
If forms are not current – contact medical for updated forms

Yes  No    Current Fitness Assessment **within 12 months of closing date.** \_\_\_\_\_(Initials)  
Member must provide current documentation showing they meet the **fitness standard score of 75 or higher**

*The HRO is not responsible for any malfunctions when using electronic means to transmit job applications. Applicants may request to verify receipt of their application through e-mail or telephonically.*

***The Nebraska National Guard is an equal opportunity employer; we do not discriminate on the basis of race, sex, religion, national origin or ethnicity.***