

**FLORIDA AIR NATIONAL GUARD**  
**\*\*\* OFFICER VACANCY ANNOUNCEMENT \*\*\***

**ANNOUNCEMENT NUMBER:** DSG 21-02

**CLOSING DATE:** 31 MAY 2021

**TITLE:** Bioenvironmental Engineer Officer (AFSC: 43E3A)  
(OPEN Nationwide to Air National Guard Members, Commissioning Opportunity)

**MAXIMUM AUTHORIZED GRADE:** (O-5)

**UNIT:** 125<sup>th</sup> Medical Group

**DUTY STATUS:** This is a Drill Status Guard (DSG) position, NOT full-time employment. Applicants are expected to meet all Unit Training Assemblies and Annual Training requirements annually.

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***Specialty Summary:***

Applies engineering and scientific principles in anticipating, recognizing, and evaluating occupational and environmental health (OEH) hazards, also called OEH threats. Designs and recommends risk control measures and other courses of action that enable Risk Management decisions, and in some cases Patient Care strategies, to ensure Force Health Protection. Constituent OPM Occupational Series: 0690 (Industrial Hygiene), 0801 (General Engineering), 0819 (Environmental Engineering), 1306 (Health Physics), and 1310 (Physics). Related DoD Occupational Groups: 260803, 260815, 260823, and 260825.

***Duties and Responsibilities:***

2.1. Executes and supervises bioenvironmental engineering (BE) programs. Applies knowledge of engineering and the sciences to assist commanders in meeting mission objectives at home station and deployed settings. Performs and documents health risk assessments for chemical, biological, radiological, nuclear (CBRN), and physical hazards, which may compromise Force Health Protection. Advises commanders on impact of unacceptable risk to mission and provides viable courses of action to reduce and eliminate risk. Identifies and assesses effectiveness of OEH controls. Participates in installation contingency response activities, including exercises. Determines the appropriateness of personnel protective equipment and individual protective equipment. May participate in development of policy. Directs and supervises technicians conducting base BE activities. Maintains liaison with local, state, and federal agencies on matters involving OEH standards.

2.2. Develops measures to control radiological hazards, including those encountered in unrestricted areas to ensure permissible limits of radiation exposure are not exceeded. Augments medical health physics activities. Enables radiological monitoring, measurement, and control for the Nuclear Enterprise. Serves as Radiation Safety Officer where required.

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***Specialty Qualifications:***

The following is mandatory for award of the 43E3A Air Force Specialty Code:

- ***Knowledge:*** For AFSCs 43EXA/B/D/G/M, knowledge of all bioenvironmental engineering principles for force health protection spanning all operational environments.
- ***Education:*** For award of AFSC 43E3B/D/G, meet requirements of and possession of AFSC 43E3A and complete the education and/or certification requirements in respective specialty shredouts.
- ***Training:*** For award of AFSC 43E3A, completion of upgrade training IAW current BE Career Field Education Training Plan (CFETP), completion of the BE Officer Advanced Course, B3OAY43E3X 0A1A, and possession of AFSC 43E2A.
- ***Experience:*** For award of AFSC 43E3A, completion of 12 months performing the work typical of a base BE flight or element. Duties prior to attending BE Officer Course can be included in the 12 months of experience based on the discretion of the senior 43E that oversaw assigned duties. The mandatory Active Duty timeline for award of AFSC

43E3A is 48 months time in service (TIS). Failure to accomplish award of 43E3A by 48 months TIS requires waiver approval by the 43E Associate Chief.

- **Other:** The following qualifications are mandatory for entry into these AFSCs. No record of acrophobia or claustrophobia. Ability to clearly speak and communicate in the English language. A valid state driver's license and ability to operate government motor vehicles in accordance with AFI 24-301, Vehicle Operations. Normal color vision and depth perception as defined in AFI 48-123, Medical Examinations and Standards. Must maintain local network access IAW AFI 17-130, Cybersecurity Program Management and AFMAN 17-1301, Computer Security.(COMPUSEC) and 33-152, User responsibilities and Guidance for Information Systems. Ability to wear a 40-pound air pack while carrying 40 pounds of equipment in a totally encapsulating chemical protective suit. Successful medical clearance for enrollment and active participation in the Respiratory Protection Program, IAW AFI 48- 137, Respiratory Protection Program.

**NOTE:** Possess a baccalaureate degree, or higher, from an engineering or industrial hygiene degree program accredited by the Accreditation Board for Engineering and Technology (ABET); or a Master of Science (MS) in radiation health physics; or a Bachelor of Science (BS) degree in chemistry or physics; or an engineering or radiation science program approved by the 43E Associate Chief; or, for graduates of a United States Service Academy, possess a Bachelor of Science (BS) degree in engineering, biology, chemistry, or physics. For all enlisted AFSCs, possess an ABET accredited MS degree from the Air Force Institute of Technology (AFIT) under the Enlisted-to-AFIT (E2A) program as approved by the 43E Associate Chief; or for AFSC 4B071 (Bioenvironmental Engineering Craftsmen), possess a BS, or higher, in the degrees explained in the first paragraph of A-shred (above); or, a BS or MS in a closely related degree with coursework preapproved by the 43E Associate Chief. Coursework must include at least 40 semester hours of math and science. Recommended coursework must demonstrate a strong technical basis and should include selected coursework from the following: Physics (calculus-based), Chemistry, Calculus, Statistics, Analytic Geometry, Elementary Linear Algebra, Differential Equations, Classical/Engineering Mechanics, Statics, Dynamics, Thermodynamics, Mechanics of Materials, Ceramics, Material Science, Circuits, Electromagnetics, Modern Physics, Nuclear Physics, Optics, Human Anatomy and Physiology, Ergonomics, Molecular Biology, Biochemistry, Genetics, Genomics, Organic Chemistry, and other advanced engineering, physics, biology, and chemistry courses all at 200 level or higher.

#### Industrial Hygiene

Possess an MS or higher in industrial hygiene (occupational health) from an ABET accredited industrial hygiene degree program, or a non-ABET industrial hygiene degree program acceptable to the 43E Associate Chief; or, possess certification by the American Board of Industrial Hygiene (ABIH) as an industrial hygienist.

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### **Eligibility Requirements**

- **Citizenship:** Must be a citizen of the United States.
- **Age:** For initial appointment as a line officer, applicant must be between 18 and 40 years of age.
- **Physical/Medical Requirements:** Must be in good physical condition and be medically qualified in accordance with applicable Air Force and Air National Guard regulations. Must meet Air Force and Air National Guard fitness standards prior to attending the Academy of Military Science (AMS).
- **Security Requirements:** Must be able to meet applicable security requirements to hold appropriate security clearances (Secret/Top Secret).
- **Education:** A baccalaureate or higher degree from an educational institution listed in the current Accredited Institutions of Postsecondary Education is required.
- **Training:**
  - -For those persons not already commissioned, the applicant must successfully complete the COT/RCOT Officer Training at Maxwell Air Force Base, Montgomery AL. Course is MANDATORY and is 2-8 weeks in duration.
  - **Other:** Meet all other appointment requirements as established in ANGI 36-2005.

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### **Application Procedures:**

Complete **AF Form 24**, *Application for Appointment as a Reserve of the Air Force*, and **AF Form 2030**, *USAF Drug and Alcohol Abuse Certificate* (website: [www.e-publishing.af.mil](http://www.e-publishing.af.mil)).

Detailed resume of military and/or civilian work and educational experience. All breaks in employment and/or educational pursuit should be fully explained. (Short biographies are NOT acceptable.)

Copy of college transcripts from ALL colleges and universities attended. Summary transcripts are NOT acceptable.

Current Report of Individual Person (RIP)

Current Point Summary

Physical Fitness Scores

Copies of last three (3) Officer Performance Reports (OPRs) or Enlisted Performance Reports (EPRs)

Conditional Release (If requesting transfer from the Air Force, Air Force Reserve, ANG of another state, or any other Military Component.)

Any DD Form 214, NGB Form 22, and discharge orders

**Complete applications must be received by close of business on 31 May 2021 to be eligible for consideration. Failure to provide all required documentation will result in elimination from further consideration.**

**Complete applications MUST be combined into one (1) single .pdf file format for submission. Other file formats such as .jpeg, .png, .tiff, will not be accepted. Please compile your application package documentation in the order listed above and create a single .pdf file.**

**Applications must be sent via DoD SAFE with attachments.**

**The website to submit applications securely is <https://safe.apps.mil/>**

- **Enter the password to protect the document**
- **End user must enter password to open the file**
- **Send the password to the end user in a SEPARATE email/phone call**

**Address application documents to this email: [julie.b.bullis.nfg@mail.mil](mailto:julie.b.bullis.nfg@mail.mil)**

**For questions, please Email: [patrick.lanaghan.2@us.af.mil](mailto:patrick.lanaghan.2@us.af.mil)**

*The Florida Air National Guard is an equal opportunity employer. Applicants will be selected for appointment through a quality oriented method of assessment which includes, but is not limited to, factors such as education, physical standards, experience, potential, motivation and moral qualifications.*