

# NEWLY COMMISSIONED/TRADITIONAL OFFICER VACANCY ANNOUNCEMENT

**NEW YORK AIR NATIONAL GUARD**  
174TH ATTACK WING  
6001 EAST MOLLOY ROAD  
SYRACUSE NY 13211-7099

**ANNOUNCEMENT:** HF FY 26-25

**POSTING DATE:** 24 MARCH 2026

**CLOSING DATE:** 15 APRIL 2026

**UNIT:** 174TH MEDICAL GROUP

**AFSC:** 43E3

**GRADE:** No minimum grade – Major/O-4

**POSITION TITLE:** Bioenvironmental Engineer

**AREA OF CONSIDERATION:** NATIONWIDE

All candidates may apply who meet the basic qualification for position and who are eligible for membership in the NYANG.

## SPECIALTY SUMMARY

(As outlined in the current AFOCD)

Applies engineering and scientific principles in anticipating, recognizing, and evaluating occupational and environmental health (OEH) hazards, also called OEH threats. Employs professional knowledge to protect personnel and the environment from radiation hazards. Helps design 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.

## QUALIFICATIONS AND SELECTION FACTORS

Selection for this position will be made without regard to race, religion, color, creed, gender or national origin.

Applicants are subject to review by the MPF, and as mandatory requirements are met, as outlined in applicable regulations and applicants must meet an Officer Screening and Interview Board (OSIB).

The requirements and qualifications prescribed in this announcement are minimum for nomination for appointment consideration. Appointment is not assured merely by meeting these requirements. Persons considered must further qualify with requirements outlined in applicable regulations.

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Persons considered must further qualify with requirements outlined in DAFMAN 36-2032, DAFMAN 36-2100, DAFMAN 36-2664, and DAFI 36-2137.

### KNOWLEDGE:

For AFSCs 43EXA/B/D/G/M/R, knowledge of all BE principles for force health protection spanning all operational environments. For AFSCs 43EXM, intentional development of this shred ended on 1 Oct 19 with Defense Health Agency (DHA) assuming medical physics requirements at Air Force medical facilities.

### EXPERIENCE:

The following experience is required for award of the AFSC indicated: 3.4.1. For award of AFSC 43E3A, completion of 12 months performing the work typical of a base BE flight or element. Duties prior to attending the in-residence BE Officer Course can be included in the 12 months of experience based on the discretion of the senior 43E that oversaw assigned duties. 3.4.2. The mandatory Active-Duty timeline for award of AFSC 43E3A is 36 months, time in service (TIS). Failure to accomplish award of 43E3A by 36 months TIS requires waiver approval by the 43E Associate Chief

### EDUCATION:

See specialty shredouts, and: 3.2.1. For award of AFSC 43E3B/D/G/R, meet requirements of and possession of AFSC 43E3A and complete the education and/or certification requirements in respective specialty shredouts.

## **DUTIES AND RESPONSIBILITIES:**

- 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. Advises commanders on impact of unacceptable risk to mission and provides viable courses of action to reduce and eliminate health risk. Enables data-driven decision making, to ensure accurate OEH exposure documentation and to support the occupational medicine enterprise. Determines the appropriateness of personnel protective equipment and individual protective equipment. Identifies and assesses effectiveness of OEH controls. Maintains liaison with local, state, and federal agencies, and foreign entities when applicable, on matters involving OEH standards.
- Performs and documents health risk assessments for chemical, biological, radiological, nuclear (CBRN), and physical hazards. Participates in installation contingency response activities, including exercises.
- Develops measures to control radiological hazards, including those encountered in unrestricted areas to ensure permissible limits of radiation exposure are not exceeded. Enables radiological monitoring, measurement, and control for the Nuclear Enterprise. Serves as Radiation Safety Officer and Laser Safety Officer where required.
- Directs and supervises technicians conducting base BE activities. May participate in the development of policy.
- Delivers joint preventive medicine capabilities to prevent disease and non-battle injuries in the deployed environment.
- AFSC 43EXG: Provides consultation regarding planning, designing, and constructing facilities for storage, use, and disposal of radioactive material or radiation producing devices. Guides the health risk assessment of exposure to ionizing and non-ionizing radiation; and ensures adherence to prescribed safety standards by evaluating activities involving the possession, handling, transportation, storage, use, and disposition of radioactive materials, as well as activities involving use of lasers and other non-ionizing radiation sources. Enhances Commander decision making through technical knowledge of radiological hazards and health threats to forces during nuclear and radiological incidents.
- AFSC 43EXM: (Legacy only) Develops, institutes, and sustains medical physics programs for radiotherapy, nuclear medicine, and diagnostic imaging physics services that enable safe and effective patient care. Augments radiology resident training programs. Conducts medical physics activities, research and development on medical physics related topics.

## **OTHER QUALIFICATIONS:**

The following qualifications are mandatory for entry into these AFSCs (medical waivers may be approved by the 43E Associate Chief):

- 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 carry 50 pounds of equipment in a chemical protective suit.
- Successful medical clearance for enrollment and active participation in the Respiratory Protection Program, IAW AFI 48- 137, *Respiratory Protection Program*.

## **OSIB:**

An Officer Screening and Interviewing Board (OSIB) is projected to convene to interview and/all qualified applicants.

## **APPLICATION PROCEDURES:**

Applicants will prepare and forward one copy of the:

- AF Form 24 Application of Appointment as Reserves of the Air Force or USAF Without Component
- Cover Letter
- Resume
- Current Official College Transcripts with Awarded Qualifying Degree
- vMPF Record Review printout and Physical Fitness Evaluation report, if applicable
- DD Form 214 Record of Separation/Discharge from the US Armed Forces, if applicable
- Last five (5) EPBs/EPRs, all OPBs/OPRs, FITREPS as applicable

No later than close-of-business on closing date of vacancy announcement.

## **APPLICATION SUBMISSION:**

**An application package will not be accepted if it is incomplete, if it is not in one PDF document/portfolio, or if it is received after the close out date.**

- Applicants will email their application package in one PDF document to the Military Personnel Flight (MPF) customer service email: [174FSS.3F0-Personnel@us.af.mil](mailto:174FSS.3F0-Personnel@us.af.mil). An email will be sent back to confirm receipt of the application.
- Direct any submission process questions to the MPF customer service email: [174FSS.3F0-Personnel@us.af.mil](mailto:174FSS.3F0-Personnel@us.af.mil)
- Direct any position-specific questions to Capt Matthew Murray at [matthew.murray.6@us.af.mil](mailto:matthew.murray.6@us.af.mil)