



Office of Human Resources
Aviation Noise Abatement Officer - CE2232
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General Statement of Duties

Performs professional level work monitoring and analyzing aircraft noise and collecting data using various monitoring systems and responses and offers solutions to noise complaints/comments.

Distinguishing Characteristics

This class performs professional level work monitoring and analyzing aircraft noise and collecting data using various monitoring systems and responses and offers solutions to noise complaints/comments. This class is distinguished from the Aviation Noise Abatement Supervisor that performs supervisory and professional level work over noise abatement staff members, provides direction and long range and short term planning, directs policy and procedure development, and acts as a subject matter expert on airport noise mitigation issues and compliance.

Essential Duties

Operates, monitors and maintains the Noise and Operations Monitoring System (NOMS) which is designed to monitor aircraft noise in the vicinity of the airport and calculate noise exposure performance standards.

Collects data daily from permanent and portable remote noise monitoring terminals and analyzes noise events using various noise metrics, aircraft radar flight tracks, and noise abatement corridors.

Monitors and maps flight tracks in order to analyze trends and impacts of noise mitigation in accordance with the local and national standards and agreements.

Researches and analyzes noise data, prepares technical reports that document the airport's noise environment and issues related to the city's intergovernmental agreement. Disseminates the reports to city/department staff, local, state, and federal officials, and other stakeholders.

Responds and provides solutions/information to citizen comments and complaints regarding airport noise programs. Issues and coordinates efforts with other metropolitan area airports on noise compliance issues regarding complaints and noise abatement corridors.

Monitors and maintains a variety of noise model programs, database backups, logs, and relational databases to optimize performance, resource use, data security, and data quality and integrity.

Assists the airport planning office by analyzing airport noise and land use issues, Conducts field monitoring surveys and creates maps for future development and land use for city/department staff, developers, and local, state, and federal governmental agencies.

Provides technical assistance, education and training to staff on NOMS and GIS application issues.

Locates, repairs and calibrates remote noise monitoring terminals. Performs installation and testing of new hardware and software.

Prepares a variety of visual materials including graphics, maps, and charts to synthesize and communicate technical information to a variety of internal and external entities.

Utilizes the Integrated Noise Model (INM) noise modeling software to evaluate aircraft noise impacts by assessing changes in noise impact resulting from new or extended runways or runway configurations, new traffic demand, and fleet mix. Evaluates other operational procedures.

Performs other duties as assigned or requested.

Any one position may not include all of the duties listed. However, the allocation of positions will be determined by the amount of time spent in performing the essential duties listed above.

Competencies

Oral Communication – Expresses information to individuals or groups effectively; taking into account the audience and nature of the information; makes clear and convincing oral presentations; listens to others, attends to nonverbal cues and responds appropriately.

Problem-Solving – Identifies problems; determines accuracy and relevance of information; uses sound judgment to generate and evaluate alternatives, and to make recommendations.

Reasoning - Identifies rules, principles, or relationships that explain facts, data, or other information; analyzes information and makes correct inferences or draws accurate conclusions.

Teaching Others - Helps others learn through formal or informal methods; identifies training needs; provides constructive feedback; coaches others on how to perform tasks; acts as a mentor.

Technical Competence - Uses knowledge that is acquired through formal training or extensive on-the-job experience to perform one's job; works with, understands, and evaluates technical information related to the job; advises others on technical issues.

Written Communication – Composes, reviews, edits, and issues written materials for diverse audiences and communicates purpose in a succinct and organized manner that is appropriate for context, time, and place.

Knowledge & Skills

Knowledge of GIS and NOMS systems, database administration and management methods, including quality control

Knowledge of hardware and software installation, testing and operations for GIS and NOMS applications, remote monitoring stations and long-range passive secondary surveillance radar equipment

Knowledge of federal, state and local laws, regulations, standards and current programs governing airport noise mitigation including National Environmental Policy Act (NEPA) and Federal Aviation Regulation (FAR) parts 36, 91,150 and 161.

Level of Supervision Exercised

None

Education Requirement

Bachelor's Degree in Aeronautics, Aviation Management, or a related field.

Experience Requirement

One (1) year of aviation experience in noise mitigation.

Education & Experience Equivalency

One (1) year of the appropriate type and level of experience may be substituted for each required year of post-high school education.

Additional appropriate education may be substituted for the minimum experience requirements.

Licensure & Certification

By position, requires a valid Driver's License at the time of application.

Licenses and certifications must be kept current as a condition of employment.

Working Environment

Subject to varying and unpredictable situations.

Subject to many interruptions.

Pressure due to multiple calls and inquiries.

Level of Physical Demand

2-Light (10-20 lbs.)

Physical Demands

(Physical Demands are a general guide and specific positions will vary based on working conditions, locations, and agency/department needs.):

Accommodation: Ability to bring objects into focus.

Color vision: Ability to distinguish and identify different colors.

Fingering: Picking and pinching, through use of fingers or otherwise.

Handling: Seizing, holding, grasping, through use of hands, fingers, or other means.

Hearing: Perceiving and comprehending the nature and direction of sounds.

Lifting: Moving objects weighing no more than 20 pounds from one level to another.

Reaching: Extending the hands and arms or other device in any direction.

Repetitive motions: Making frequent or continuous movements.

Sitting: Remaining in a stationary position.

Talking: Communicating ideas or exchanging information.

Vision Far Acuity: Ability to perceive or detect objects clearly at 20 feet or more.

Vision Near Acuity: Ability to perceive or detect objects at 20 inches or less.

Background Check Requirement

Criminal Check

Employment Verification

Education Check

By position, Motor Vehicle Record

Assessment Requirement

None

Probation Period

Six (6) months.

Class Detail

Pay Grade: E-812

FLSA Code: Y

Established Date: 9/21/2018

Established By: LS

Revised Date:

Revised By:

Class History: