

New York State Department of Civil Service
DIVISION OF CLASSIFICATION & COMPENSATION

Classification Standard

Occ. Code 1642200

Air Pollution Meteorologist 1, Grade 18	1642200
Air Pollution Meteorologist 2, Grade 22	1642300
Air Pollution Meteorologist 3, Grade 27	1642500

Brief Description of Class Series

Air Pollution Meteorologists review and analyze the air quality impacts from various types of air pollution sources such as power plants, landfills, cement manufacturers, and other sources of toxic air contaminants. Incumbents monitor facilities with permits issued under Title V of the Clean Air Act, Air State Facility Permits, and Air Facility Registrations. Incumbents produce air quality forecasts for New York State and provide weather information to assist authorities with statewide weather-related emergency operations.

These positions are classified only at the Department of Environmental Conservation (DEC).

Distinguishing Characteristics

Air Pollution Meteorologist 1: full performance level; reviews submitted dispersion modeling protocols; assists in modeling exercises to confirm results; forecasts air quality and weather; and evaluates the data and adequacy of air quality and meteorological monitoring sites.

Air Pollution Meteorologist 2: advanced performance level and/or supervisory level; provides consultations and technical guidance to regulated community; and may supervise Air Pollution Meteorologists 1 and other staff.

Air Pollution Meteorologist 3: supervises lower-level Air Pollution Meteorologists and other staff assigned to support the program; manages the activities of the agency's Impact Assessment and Meteorology Section.

Illustrative Duties

Air Pollution Meteorologist 1: evaluates and forecasts atmospheric air pollution and weather-related events; prepares inputs and performs dispersion modeling to

assess the air quality impacts from various types of air pollution sources; provides weather information to assist authorities with emergency operations for weather-related problems; issues Air Quality Health Advisories; interprets federal and State air pollution rules and regulations with regard to the applicability of air quality impact assessment through the use of established mathematical models; assists in preparation of reports; evaluates meteorological data and the adequacy of monitoring sites for studies in progress; reviews and assists in the implementation of technological developments in air pollution meteorology and mathematical modeling; and participates in training programs.

Air Pollution Meteorologist 2: evaluates, interprets, and forecasts atmospheric air pollution and weather-related events; provides weather information to assist authorities with statewide weather-related emergency operations; issues Air Quality Health Advisories; performs dispersion modeling to analyze, assess, and evaluate the air quality impacts from various types of air pollution sources; prepares testimony, and participates in public hearings; provides technical input for the preparation of legal briefs, and technical consultation to industry and other government agencies; provides technical guidance and training to lower-level staff; reviews technological developments in air pollution meteorology and mathematical modeling; participates in training programs; prepares reports; and trains lower-level staff.

Air Pollution Meteorologist 3: supervises Air Pollution Meteorologists 1 and 2 and other staff; assigns and reviews statewide air quality impact analyses and environmental impact statements related to the permitting of air emission sources such as power plants, cement manufacturers, municipal and hazardous waste incinerators, landfills, and remediation sites; manages and supervises the Department's weather and Air Quality Index (AQI) forecasting activities and the issuance of Air Quality Health Advisories during high pollution episodes; maintains and updates the Division of Air Resource's dispersion modeling and air quality impact analysis guidance document; prepares and reviews legal briefs; provides meteorological support to the State Office of Emergency Management in response to weather-related emergencies, accidental releases of air contaminants, or terrorist actions; reviews and implements technological developments in the field of air pollution meteorology and serves as a technical expert; and directs independent modeling support in the development of regulations, federal and State attainment designations, or to support actions under the State Environmental Quality Review Act.

Minimum Qualifications

Air Pollution Meteorologist 1

Open Competitive: a bachelor's degree in meteorology, atmospheric science, climate science, environmental engineering or science, environmental studies, physics, mathematical sciences, or physical sciences, which must include or be supplemented by 21 semester credit hours in meteorology or atmospheric science and either

completion of a two-year traineeship, or two years of experience in the field of meteorology or atmospheric science, directly related to air pollution. A master's degree or higher in a qualifying field may substitute for one year of the required experience.

Air Pollution Meteorologist 2

Open Competitive: a bachelor's degree in meteorology, atmospheric science, climate science, environmental engineering or science, environmental studies, physics, mathematical sciences, or physical sciences, which must include or be supplemented by 21 semester credit hours in meteorology or atmospheric science and three years of experience in the field of meteorology or atmospheric science, directly related to air pollution. A master's degree or higher in a qualifying field may substitute for one year of the required experience.

Promotion: one year of service as an Air Pollution Meteorologist 1.

Air Pollution Meteorologist 3

Promotion: one year of service as an Air Pollution Meteorologist 2.

Note: Classification Standards illustrate the nature, extent, and scope of duties and responsibilities of the classes they describe. Standards cannot and do not include all the work that might be appropriately performed by a class. The minimum qualifications above are those required for appointment at the time the Classification Standard was written. Please contact the Division of Staffing Services for current information on minimum requirements for appointment or examination.

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