

ILLINOIS DEPARTMENT OF CENTRAL MANAGEMENT SERVICES
CLASS SPECIFICATION

METEOROLOGIST

POSITION CODE: 27120
Effective: 8-16-70

DISTINGUISHING FEATURES OF WORK:

Under general direction, functions as the staff Meteorologist for the Environmental Protection Agency; plans and coordinates meteorologic studies in relation to air pollution and its control; coordinates and evaluates the collection and summarization of meteorologic factors in air pollution; makes air pollution forecasts based on collected data; prepares meteorologic reports.

ILLUSTRATIVE EXAMPLES OF WORK:

1. Studies all aspects and interrelationships between meteorological conditions and the transport and diffusion of air pollutants for integration into a comprehensive air pollution program.
2. Applies and coordinates methods and techniques used in making air pollution forecasts.
3. Reviews all meteorologic data to aid in determining the location of air quality sampling stations; assists in preparing data for air quality modeling techniques.
4. Recommends types and kinds of meteorological sampling equipment and supervises maintenance of this equipment to assure continuous operation.
5. Acts as liaison between the ESSA Weather Bureau and air pollution staff members.
6. Analyzes data to identify mesometeorological situations and/or models that represent critical air pollution situations; analyzes techniques for the identification and prediction of these situations.
7. Prepares meteorologic reports and complete special informational studies.

METEOROLOGIST (Continued)

8. Performs other duties as required or assigned which are reasonably within the scope of the duties enumerated above.

DESIRABLE REQUIREMENTS:

Education and Experience

Requires knowledge, skill and mental development equivalent to completion of four years of college with courses in meteorology.

Requires three years professional experience in a branch of meteorology.

Knowledges, Skills and Abilities

Requires thorough knowledge of methods and techniques used in meteorologic data collecting.

Requires thorough knowledge of methods and techniques used in evaluating collected data.

Requires extensive knowledge of types and methods of operation of equipment used in meteorologic sampling.

Requires ability to evaluate collected meteorologic data.

Requires ability to prepare special reports.

Requires ability to supervise the maintenance of sampling equipment.

Requires ability to integrate collected data with other informational sources.