

RESEARCH SCIENTIST SUPERVISOR 2

KIND OF WORK

Difficult supervisory scientific research work concerned with health or environmental issues.

NATURE AND PURPOSE

An employee in this class directly supervises a major research project or several smaller projects designed to test specific hypotheses or to make certain observations within the health and environmental science fields. This employee is responsible for planning, designing, organizing, and developing methods and procedures for completing research projects. Work is performed under general direction and review is in terms of results achieved.

EXAMPLES OF WORK (A position may not include all the work examples given, nor does the list include all that may be assigned.)

Plans, designs, organizes, and directs a major research project in order to test hypotheses or make certain observations within a subject area in the health or environment fields.

Plans, coordinates, and supervises research projects and other necessary data collection and analysis for energy demand modeling and forecasting so that information can be provided for the State Energy Conservation Plan, Certificate of Need proceedings, utility rate cases, emergency demand restraint rules and other policy planning efforts.

Plans, coordinates, and supervises the development and scientific, engineering, and economic analysis of alternative energy production measures, policies, and programs in order to promote the greater use of appropriate alternative energy resources.

Supervises the conceptualization, design, and performance of special studies relating to advance planning for electrical power plants and alternatives to conventional generation and transmission systems so that information will be available to assist in making decisions regarding power plant siting.

Directs air quality studies and prepares recommendations so that pollution of the air is controlled.

Supervises health risk assessments so that concerns regarding the health impact resulting from human exposure to harmful agents in the environment are adequately addressed by those organizations with the responsibility to control that exposure.

Assigns and evaluates work of subordinate staff in order to ensure that the research work is conducted in accordance with plans and objectives.

Participates in development of budgets and spending plans and controls expenditures so that research projects are completed within budget limitations.

Keeps self and subordinate staff technically abreast of research methods and instrumentation in the area of specialization to ensure that current and valid techniques are used in conducting studies.

Examines, devises and evaluates procedures and techniques for use in research projects so that adequate and accurate information is obtained for planning and decision-making.

Prepares research reports and reviews suitability for publication in scientific journals so that research findings can be shared with interested persons.

Performs related work as required.

KNOWLEDGE, SKILLS AND ABILITIES REQUIRED

Knowledge of:

Scientific, experimental and research techniques.

Procedures involved in planning, executing, evaluating and reporting controlled experimental research in the physical and social sciences.

Current literature on research activity in the relevant area.

The scope and purpose of program activity areas being monitored or investigated.

Ability to:

Organize, execute and evaluate research activities independently and to correlate findings from a variety of scientific disciplines.

Prepare and review reports and papers on the results of research projects.

Establish and maintain satisfactory working relationships.

Supervise the work of others.

Est.: 10/81

Rev.:

T.C.: 4/84

Former Title(s): Research
Scientist Sr.,
Supv.