

**CLASS TITLE: ENVIRONMENTAL HEALTH RISK
ASSESSMENT TOXICOLOGIST**

**Class Code: 02722400
Pay Grade: 35A
EO: B**

CLASS DEFINITION:

GENERAL STATEMENT OF DUTIES: In the Department of Health, to assist in planning, performing and evaluating toxicologic health risk assessments of exposures to hazardous materials in environmental and occupational settings; to assist and respond to the concerns of groups and individual members of the public and local, state and federal agencies concerning risk assessment of environmental and occupational health hazards; and to do related work as required.

SUPERVISION RECEIVED: Works under the general supervision of a superior who makes work assignments in broad outline form with latitude for the exercise of initiative and independent judgement; reviews work performed for conformity with established policies and accepted practices.

SUPERVISION EXERCISED: As assigned, may assist in supervising and reviewing the work of a professional staff and others assigned to assist.

ILLUSTRATIVE EXAMPLES OF WORK PERFORMED:

To assist in performing health risk assessments of environmental and occupational hazards.

To work with other divisions and personnel in the Department of Health in providing expertise and advice regarding toxicologic aspects of health risk assessments.

To assist in providing risk assessment and health hazard information to various programs within the Department of Environmental Management, as well as to other departments, offices, and legislative committees.

To assist in providing risk assessment and health hazard information to members of the general public, concerned citizens and citizen groups, health professionals, and local officials, regarding specific contaminants or general contaminant settings.

To analyze and interpret toxicologic data concerning hazardous materials and their potential health implications.

To assist in assessing potential routes of exposure to humans to hazardous environmental contaminants.

To assist in developing standardized health risk assessment methodologies and models for performing risk assessments of contaminant exposure via air, surface water, groundwater, soil, and other media.

To assist in the performance of health risk assessments of specific chemicals and mixtures in order to evaluate current air and water standards for those substances having such standards and to recommend air and water standards for those substances not having such standards.

To evaluate and interpret the toxicologic literature concerning hazardous materials.

To assist in risk assessments and studies to develop programs designed to prevent environmental and occupational exposure to hazardous materials and conditions.

To provide assistance and expertise to local, state and federal agencies in conducting coordinated health risk assessments of realized or potential hazards.

To assist in developing surveillance programs to track the effects of hazardous exposures, as required.

To assist in communicating risk assessment and health hazard information to the general public and media.

To do related work as required.

REQUIRED QUALIFICATIONS FOR APPOINTMENT:

KNOWLEDGES, SKILLS AND CAPACITIES: A thorough knowledge of the principles, practices and techniques of toxicologic risk assessment and the ability to perform and evaluate health risk assessments in environmental and occupational settings; a thorough knowledge of the principles and practices of environmental and industrial toxicology and related fields; a working knowledge of the relevant scientific literature in toxicology and related fields and the ability to evaluate, assess and abstract information from such literature; the ability to prepare reports and papers; the ability to establish and maintain effective working relationships with public and private officials, groups and individuals; the ability to communicate effectively with skilled professionals, media and the public; related capacities and abilities.

EDUCATION AND EXPERIENCE:

Education: Such as may have been gained through: possession of a Master's Degree in Toxicology, Chemistry or Biological Science with specialization in Toxicology; and

Experience: Such as may have been gained through: employment in a responsible professional position involving the planning, performance and evaluation of environmental and/or occupational toxicologic health risk assessments.

Or, any combination of education and experience that shall be substantially equivalent to the above education and experience.

Class Created: March 12, 1989

Editorial Review: 3/15/03