Toxicologist

CLASS TITLE	CLASS CODE	SALARY GROUP	SALARY RANGE
TOXICOLOGIST I	2661	B23	$61,184 - $99,658
TOXICOLOGIST II	2662	B25	$69,572 - $114,099
TOXICOLOGIST III	2663	B27	$84,182 - $142,374

GENERAL DESCRIPTION

Performs toxicology work involving coordinating and conducting toxicological evaluations to determine potential health risks associated with environmental contaminants, serving as a specialist or consultant to agency staff and to the public concerning toxicology and risk assessment issues, conducting research studies, and preparing technical reports and presentations.

EXAMPLES OF WORK PERFORMED

Coordinates, conducts, and reviews complex toxicological evaluations to determine potential health risks associated with exposure to environmental contaminants.

Coordinates the development of procedures and methodologies in conducting toxicological evaluations and risk assessments.

Coordinates the distribution of new toxicological information to agency staff and updates health effects databases.

Analyzes and interprets environmental and toxicological data.

Makes recommendations regarding agency permitting, monitoring, and enforcement activities based on analysis and interpretation of environmental and toxicological data.

Conducts research studies and prepares and reviews reports and presentations concerning toxicological evaluations of environmental contaminants.

Recommends and reviews enforcement activities, including the revision of policies, based on analysis and interpretation of environmental and toxicological data.

Serves as an expert toxicologist and risk assessor in agency hearings, court proceedings, legislative hearings, and public meetings.

Provides technical assistance and expertise to other governmental agencies and the public.

Performs related work as assigned.

DESCRIPTION OF LEVELS

Examples of work and descriptions are meant to progress through the levels. For example, an employee at level III may also perform work listed within the previous levels.

***Note**: Employees in this job classification series may independently perform the full range of work listed in the examples and may coordinate, oversee, or direct that work or similar work of others. Factors that may distinguish between the levels include the scope of responsibility and oversight, the complexity of the work performed, and the employee's related experience, education, and certifications.*

TOXICOLOGIST I: Performs advanced (senior-level) toxicology work. Works under limited supervision, with considerable latitude for the use of initiative and independent judgment. Employees at this level may perform complex toxicology work and assist others in performing work of greater complexity.

TOXICOLOGIST II: Performs highly advanced (senior-level) toxicology work. Works under minimal supervision, with extensive latitude for the use of initiative and independent judgment. Employees at this level may fully perform highly complex toxicology work and may:

- Oversee and conduct complex toxicological evaluations to determine potential health risks associated with exposure to environmental contaminants.
- Oversee the evaluation and development of procedures and methodologies in conducting toxicological evaluations and risk assessments.
- Oversee the distribution of new toxicological information to agency staff and ensure that health effects databases are current.
- Oversee and conduct the analysis and review of environmental and toxicological data.
- Coordinate the data collection, assessment, and evaluation processes related to community health planning for disease surveillance and bioterrorism planning and response activities.
- Evaluate recommendations regarding agency permitting, monitoring, and enforcement activities based on analysis and interpretation of environmental and toxicological data.
- Conduct research studies and prepare, edit, and review reports and presentations concerning toxicological evaluations of environmental contaminants.

TOXICOLOGIST III: Performs highly advanced and/or managerial (senior-level) toxicology work directing agency toxicological functions and serving as an expert for agency staff and the public. Works under minimal supervision, with extensive latitude for the use of initiative and independent judgment. Employees at this level may independently perform the most complex toxicology work and may:

- Direct complex toxicological evaluations to determine potential health risks associated with exposure to environmental contaminants.
- Direct the evaluation and development of procedures and methodologies in conducting toxicological evaluations and risk assessments.
- Direct the distribution of new toxicological information to agency staff.
- Oversee the analysis and review of environmental and toxicological data.

- Oversee recommendations regarding agency permitting, monitoring, and enforcement activities based on analysis and interpretation of environmental and toxicological data.
- Oversee research studies and the preparation and review of reports and presentations concerning toxicological evaluations of environmental contaminants.
- Oversee the review of enforcement activities, including the revision of policies, based on analysis and interpretation of environmental and toxicological data.
- Oversee the coordination of data collection, assessment, and evaluation related to community health planning for disease surveillance and bioterrorism planning and response activities.

GENERAL QUALIFICATION GUIDELINES

EXPERIENCE AND EDUCATION

Agencies have the discretion to identify the general or specialized experience, education, or certifications required for positions and may tailor qualification requirements to specifically meet the agency's business needs. Agencies may substitute experience, education, military service, apprenticeships, and relevant credentials for one another, if appropriate and allowed by statute.

KNOWLEDGE, SKILLS, AND ABILITIES

For all levels

- Knowledge of the standard principles and methods of toxicology and of chemical laboratory procedures.

- Skill in the operation of laboratory equipment and in the use of a computer and applicable software.

- Ability to initiate, plan, develop, interpret, and conduct risk assessments and evaluations of toxicological information; to determine the health risks associated with public and environmental exposure to toxic substances; to provide expert testimony; to conduct surveys; to perform investigative research and studies; to analyze environmental samples; to prepare reports; to communicate effectively; and to supervise the work of others.