

## **COMPETENCY MODEL FOR SENIOR WATER MICROBIOLOGIST (7861)**

The following competencies have been identified as those that best separate superior from satisfactory job performance in the class of **SENIOR WATER MICROBIOLOGIST**. (Numbers refers to the order of the competencies in the Competency Bank.)

- 3. Judgment and Decision-Making**
- 20. Job Knowledge**
- 28. Supervision**
- 33. Interpersonal Skills**
- 48. Shares Knowledge and Information**
- 51. Program Responsibility**
- 59. Strategic Planning**

On the following pages are descriptions of each competency, including a definition, the level of the competency required for the class (*italicized*, **bolded**, and underlined), examples of behavioral indicators, and satisfactory and superior performance levels.

**3. JUDGMENT AND DECISION MAKING** – Accurately assesses situations, seeks new information if necessary, and applies all available information to reach sound conclusions/formulate effective response.

Level of Competency Required by Job:

Level 1: *Training and guidelines needed to respond to immediate situations within very specific function are provided (or supervisor available to assist).*

**Level 2:** **General information and guidance to assist in responding to a variety of situations across a range of circumstances are provided.**

Level 3: Little guidance available for responding to a wide range of complex situations with far-reaching and/or enduring consequences.

Examples of Behavioral Indicators:

- Effectively responds to atypical situations.
- Asks questions or otherwise obtains additional relevant information to make a decision.
- Formulates a decision and necessary actions based on available facts.
- Correctly infers appropriate response based on information provided and existing policies, personal experience, and/or consultation with others.
- Discusses conclusions/possible responses with others before taking action as necessary.
- Considers impact of decisions on all affected parties.

Performance Levels:

Satisfactory

Correctly assesses routine and unusual situations and reaches appropriate conclusions for actions needed. Obtains additional information and/or consults with others as necessary.

Superior

Evaluates new situations accurately to establish an appropriate response

or plan of action. Recognizes the impact on all affected parties, as well as the possible ramifications and/or repercussions of setting a precedent.

**20. JOB KNOWLEDGE** – Knows information required to perform a specific job. Includes both widely available courses of study (for example, chemistry, human resources management, graphic arts) and City-specific information (parking regulation and ticketing practices; purchasing procedures; provisions of the City Charter).

Level of Competency Required by Job:

Level 1: Knowledge is concrete, factual, and/or procedural and may be defined by the organization. Situations in which it is applied are quite consistent.

**Level 2:** **Knowledge is substantive and may be defined by an external trade, field, or profession. Situations in which it is applied vary and, as such, require breadth and depth of understanding.**

Level 3: Knowledge is abstract, conceptual, and/or complex and may be supported by a well-defined academic discipline or authoritative sources (e.g., laws, ordinances, government guidelines/regulations/codes). Situations in which it is applied may vary greatly or be novel.

Examples of Behavioral Indicators:

- Performs work correctly/avoids technical (job content related) errors.
- Answers technical questions about work accurately.
- Asks few technical questions about the performance of routine work activities.
- Offers advice (“coaching”) to new employees regarding their work.
- Develops training programs for other employees.
- Sought out as a source of information by others.

Performance Levels:

Satisfactory

Superior

Sufficient job knowledge to perform work correctly independently. Answers technical questions about work correctly.

Expertise in technical job information sufficient to serve as a resource to others. May develop training manuals/ programs and/or give internal and/or external presentations related to work.



## **Job Knowledge Areas**

1. Knowledge of microbiological principles and techniques applicable to the separation, preservation, identification, and quantification of microorganisms sufficient to supervise a laboratory and their employees.
2. Knowledge of state of the art methodologies, including the proper use and care of laboratory equipment sufficient to meet existing and emerging water quality standards and public health.
3. Knowledge of sanitary, safe working practices and procedures required, including OSHA regulations as applied to the laboratory and treatment plant environment sufficient to ensure health and safety of their employees.
4. Knowledge of water pollution regulations, including California Department of Health Services and the Environmental Protection Agency regulations for bacteriological testing in wastewater and stormwater, sufficient to assess compliance and to determine appropriate monitoring, analyzing, and reporting procedures.
5. Knowledge of laboratory procedures, particularly as related to bacteriological analyses of fresh water, marine water, and waste water sufficient to accurately and consistently assess water quality.
6. Knowledge of the proper use and maintenance of laboratory or field equipment, including the sterilization of equipment, supplies, and hazardous biological materials sufficient to ensure data quality and employee safety.

**28. SUPERVISION** – Ability to assume direct responsibility for all aspects of the performance of a work group, which requires knowledge and/or ability in the areas of:

- Planning and goal setting
- Creating a safe and positive work environment
- Establishing standards and training employees
- Motivating employees and teambuilding
- Performance Management (assigning, monitoring, facilitating, reviewing and evaluating work, and providing feedback)
- Supporting and developing employees through delegation and participation
- Taking disciplinary action including progressive discipline
- Provisions of employees' MOU's and handling grievances
- Legal requirements including EEO, ADA, FLSA, FMLA, and Workers' Compensation provisions
- Civil Service Commission Rules and Policies related to the management of employees
- Administrative Code provisions related to the management of employees
- Budget processes sufficient to request and justify expenditures in a correct and timely manner

Level of Competency Required by Job:

Level 1: Supervises small workgroup of employees performing the same or highly related work.

**Level 2: *Supervises a larger workgroup of employees performing various types of work.***

Level 3: Supervises employees including provision of coaching and advice to subordinate supervisors.

Examples of Behavioral Indicators:

- Plans, assigns, and monitors work progress.
- Trains employees to do work.
- Evaluates work and gives positive and negative feedback.
- Displays knowledge of legal requirements including applicable Federal and State laws, Administrative Code provisions, Civil Service Commission Rules and Policies, and MOU provisions.

Performance Levels:

Proficiency in supervision sufficient to supervise a workgroup in terms of task

Satisfactory

orientation, interpersonal concerns, and personnel administration.

Proficiency in supervision sufficient to serve as a resource to others and/or represent department position in a public forum.

Superior

### 33. INTERPERSONAL SKILLS – Interacts effectively and courteously with others.

#### Level of Competency Required by Job:

Level 1: Interact with members of the workgroup, supervision, and/or the public in a cordial, service-oriented manner.

**Level 2:** **Interact across department lines and with appointed City officials, and/or members of the public, at times under adversarial circumstances, in a cordial, respectful manner.**

Level 3: Interact with appointed and elected City officials, department heads, representatives of external organizations, and/or the media in a cordial, effective manner.

#### Examples of Behavioral Indicators:

- Works well with others toward mutual objectives.
- Does not arouse hostility in others.
- “Disagrees without being disagreeable.”
- Elicits acceptance/cooperation from others.
- Affords all individuals respect, regardless of their role or status.
- Effectively addresses concerns of politicians or others who may have their “own agenda.”

#### Performance Levels:

##### Satisfactory

Behaves in a courteous, respectful, cooperative manner toward co-workers, other City employees, and members of the public.

##### Superior

Facilitates positive interpersonal relations within/among workgroups and toward members of the public. Adept at finding similarities and grounds for cooperation/mutual benefit.

**48. SHARES KNOWLEDGE AND INFORMATION** – Conveys all information relevant to each involved party in a thorough and timely manner.

Level of Competency Required by Job:

Level 1: Provide job-related information as it becomes available to others who are likely to need it or to whom it might be helpful.

**Level 2:** **Keep all involved parties informed of work/project progress and other new information. Tailors content, level of detail, and timing of information provided to the perspective of each recipient**

Level 3: Recognize different needs for different information and provide all affected parties with a description of the “big picture” as well as the breadth and detail of information relevant to their perspective.

Examples of Behavioral Indicators:

- Provides thorough explanations with all relevant details.
- Uses multiple means of communicating (e.g., e-mail, telephone, meetings).
- Provides status reports of work/project progress to all involved parties.
- Informs others of changes at the earliest feasible time.
- Uses multiple addressees and “copies” others so all parties see exactly the same information and know who already has been informed.
- Draws from job knowledge and work experience to provide thorough descriptions and explanations.

Performance Levels:

Satisfactory

Readily communicates new, job-related information to all employees to whom it is relevant. Provides a level of detail and explanation appropriate to the recipient.

Superior

Ensures that all involved parties are provided the maximum amount of information feasible in as timely a manner as possible to facilitate work/project status. Shares job knowledge and experience to serve as a mentor or coach to others.

**51. PROGRAM RESPONSIBILITY** – Directs all aspects of an ongoing multi-faceted program/function to ensure resources are continually available and actions are continually taken at proper times to accomplish its objectives.

Level of Competency Required by Job:

**Level 1:**     **Plan, coordinate, and direct the operation of a multi-faceted program/function.**

Level 2:       Plan, coordinate, and direct the operation of a large-scale, multi-faceted program/function or several smaller-scale programs/functions.

Level 3:       Plan, coordinate, and direct the operation of a very large-scale, multi-faceted program/function or multiple programs/functions.

Examples of Behavioral Indicators:

- Plans and directs the day-to-day and long-range operation of the program(s)/function(s)
- Secures necessary resources for successful performance.
- Clearly designates roles/responsibilities/accountability.
- Monitors the processes and products of the operation to ensure they meet standard; makes adjustments when needed.
- Addresses failure to perform or other problems in a timely and effective manner to minimize negative impact.
- Audits the processes and products of the operation to identify opportunities for improvement.

Performance Levels:

Satisfactory

Ensures sufficient staff and resources are available to continually accomplish objectives of the program/function. Directs staff and establishes personal responsibility/accountability.

Superior

Continually seeks to improve the program/function to maximize productivity and minimize use of resources.

**59. STRATEGIC PLANNING** – Establishes plans in a way that will achieve vision for the future.

Level of Competency Required by Job:

Level 1: Recognizes that no work organization is static, so identifies how an improved organization would function and develops plans to create such an organization.

**Level 2:** **Considers factors in the external environment, best practices, and internal organizational factors to develop a vision for the future; identifies feasible changes/innovations in support of the vision.**

Level 3: Considers social, economic, legal, and political trends and the “big picture” of the organization to establish a vision for its effective operation in the world of the future.

Examples of Behavioral Indicators:

- Establishes and keeps up-to-date a “strategic plan.”
- Articulates how current trends and anticipated future events are expected to impact the organization.
- Identifies actions the organization can take to accommodate or leverage trends and future events.
- Recognizes that evolution/change will occur, and without an attempt to manage it, that it is unlikely to be in the best interest of the organization.
- Accepts that even when many factors are unknown or their certainty is questionable, that which is known with any degree of certainty can be effectively used to formulate plans.

Performance Levels:

Satisfactory

Considers the future when establishing current day-to-day operational practices. Envisions an improved organization and identifies specific actions to help create it.

Superior

Understands that the larger environment in which the organization exists is influenced by and influences the organization. Notwithstanding uncertainties, formulates a vision and plans to achieve it.