

**METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA
CLASSIFICATION DESCRIPTION**

Classification Title:	SENIOR RESEARCH CHEMIST
Bargaining Unit:	03- Supervisors Association
Class Code: <u>155</u> Grade: <u>58</u> EEOC Category: <u>B</u> Overtime Exempt: <u>Y</u>	
Physical Class:	3-Light
Typical Career Path:	
Division(s):	Water Quality
Reports to:	Various supervisory levels

JOB SUMMARY

The position allocated to this class functions as a working supervisor over chemists and other laboratory personnel within the Water Quality Division while performing research studies on the quality of the District's water. A highly technical and specialized position is also allocated to this class which is responsible for research and analyses in the more highly complex areas of water quality.

ESSENTIAL FUNCTIONS--*Essential and other important responsibilities and duties may include, but are not limited to, the following:*

Essential Functions:

1. Performs research studies of greater scope and intricacy in water chemistry and treatment processes for improving the quality of water.
2. Supervises and assists in the preparation of research reports and special studies within the more highly technical areas of water quality research.
3. Monitors and/or performs chemical tests involving the use of analytical instrumentation; interprets and evaluates resulting data.
4. Develops new or improved highly analytical techniques for chemical and instrumental methods of analysis.
5. Responsible for oral presentations and research reports at professional seminars and workshops as the District's subject matter expert.
6. Performs other related duties as required.

MINIMUM QUALIFICATIONS

Metropolitan Water District of Southern California
Senior Research Chemist (*Continued*)

Education and Experience

A bachelor's degree in Chemistry or a related field from an accredited college or university; and six years related research experience conducting chemical studies;

OR:

A master's degree in Chemistry or related field from an accredited college or university, and four years related research experience conducting chemical studies;

OR:

Four years of directly related experience as a Research Chemist at the District.

Knowledge, Skills and Abilities

Knowledge of:

Supervisory concepts and techniques
Water chemistry and treatment processes
Analytical techniques for chemical and instrumental methods of analysis
Chemical studies

Skill and ability to:

Supervise, organize and review the work of lower level staff.
Oversee the research studies for improving the quality of water
Develop analytical techniques for chemical and instrumental methods of analysis.
Perform chemical tests involving the use of analytical instrumentation
Establish and maintain effective working relationships.

Supersedes Class Description Senior Research Chemist, dated: 04/16/97
Revised: 4/29/12