New Mexico Environment Department
Utility Operator Certification Program

WATER SAMPLE TECHNICIAN – LEVEL 2 (WST2)

Candidate Guidebook with Need to Know Criteria

March 2026[1]

The New Mexico Environment Department (NMED) administers the Utility Operator Certification Program to implement and enforce the rules of 20.7.4 NMAC (New Mexico Administrative Code) pursuant to the Utility Operators Certification Act [Chapter 61, Article 33 NMSA 1978].

Water Sample Technician – Level 2 (WST2)
According to Subsection C of 20.7.4.12 NMAC, the Water Sample Technician – Level 2 (WST2) certification is required to perform the various types of water sampling at public water supply systems as listed below.

Type of Water Sampling	Population Served				
	25 to 500	501 to 5,000	5,001 to 10,000	10,001 to 20,000	20,000+
Chemical and Radiological	**WST2**	**WST2**	**WST2**	**WST2**	**WST2**

Certification Eligibility
To be eligible to take the Water Sample Technician – Level 2 exam, an applicant must meet the following criteria. However, some criteria substitutions may be allowed as listed in the table provided on the next page. [References: 20.7.4.21 NMAC, and 20.7.4.22 NMAC]

- Submit a complete application through the NMED Utility Operator Certification Program online platform and pay the nonrefundable examination application fee.
- Be at least 18 years of age.
- Have a High School diploma or general equivalency diploma.
- Complete a minimum of ten (10) training credits covering the topics listed in the need-to-know criteria of this document.

[1] This Guidebook was reviewed by the New Mexico Utility Operators Certification Advisory Board in January and February 2026.

WST2 Eligibility Criteria		**Allowable Substitutions** as set forth in Subsection B of 20.7.4.22 NMAC
Application	Completed application	No substitutions.
Fee	Payment of examination application fee	No substitutions.
Age	Evidence of Age of Majority (18 years of age)	No substitutions.
Education	High School or general equivalency diploma	2. Education may be substituted for the basic requirements or used for training credits as follows. In no case may the same education serve both as a substitute for experience and as training credits except as provided in the following paragraphs. a) One (1) year of additional experience may be substituted for the high school graduation or general equivalency diploma requirement. b) No more than one year (30 semester hours) of successfully completed college education in a non-related field may be substituted for any additional six months of the required experience. c) One year of an approved vocational school in the water and/or wastewater field may be substituted for only one additional year of the required experience. d) An associate's degree for a two-year program in an approved school in the water and/or wastewater field and six months of actual experience in that field (which may be accrued before, during, or after the school program) may be substituted for the requirements of any level up to and including level 2. e) Completion of at least three years of actual experience in the water and/or wastewater field plus high school diploma or equivalent, plus 15 semester hours of successfully completed college education directly related to the water or wastewater field may be substituted for any level up to and including level 3. f) A bachelor's degree for a major directly related to the water or wastewater field plus two years of actual experience in that field may be substituted for any level up to and including level 3. 3. Full time water and wastewater laboratory experience may be substituted for operator experience in a respective field at a rate of 25 percent of the actual experience held.
Experience*	none	
Training	Ten (10) hours of approved training credits	
Exam	Pass the WST2 exam	No substitutions.

* "Experience" definition provided on next page

A supplemental **WST2 Application Scenarios Pamphlet** may be available from NMED to help explain allowable substitution pathways

Renewal Training Credits

WST2 certification must be renewed at three-year intervals. Certification renewal requires the holder obtain ten (10) training credits for approved training during the three-year period preceding the date on which the renewal application is due. NMED Utility Operator Certification Program approval of training credits will be based on alignment with the topics listed in the need-to-know criteria of this document.

Exam Content

NMED and a panel of subject-matter experts developed the **Water Sample Technician – Level 2 (WST2)** certification exam. The WST2 certification exam consists of 75 multiple-choice questions that cover the 7 main content areas listed below. This need-to-know criteria document provides a breakdown of the topics and subtopics within each main content area. A list of suggested study references is provided at the end of this document. The minimum passing score on the WST2 exam is 70% (53/75).

	Main Content Areas	Number of Exam Questions
1	Disinfection	1
2	General	7
3	Regulations	12
4	Safety	5
5	Sampling & Reporting	8
6	Water Characteristics	6
7	Water Sampler	36
	Total:	75 questions on exam

NEED-TO-KNOW CRITERIA FOR
WATER SAMPLE TECHNICIAN – LEVEL 2 (WST2)

Content Area and Topics	Number of Exam Questions
1. Disinfection	**1**
Process description Factors affecting disinfection Purpose Reactions of chlorine Typical pathogens Residual	

Content Area and Topics	Number of Exam Questions
2. General	**7**
Basic chemistry pH Symbol identification Hydrologic Cycle Groundwater Measurement Units Purpose Terms	

Content Area and Topics	Number of Exam Questions
3. Regulations	**12**
EPA SDWA Regulations NM Utility Operator Certification Regulations NM Drinking Water Regulations	

Content Area and Topics	Number of Exam Questions
4. Safety	**5**
Chemical handling Confined space entry Electrical First aid Hazardous gases Job Safety Hazard Analysis Personal Safety Data Sheets	

Content Area and Topics	Number of Exam Questions
5. Sampling & Reporting	**8**
Records Reporting requirements SDWA compliance sampling Asbestos Chemical contaminants Disinfection byproducts group Lead and Copper group Microbiological contaminants Physical contaminants Public notification requirements Sampling procedure Preservation Representative sampling Testing Process description Components Purpose Types	

Content Area and Topics	Number of Exam Questions
6. Water Characteristics	**6**
Chemical Microbiological Physical Terms	

Content Area and Topics	Number of Exam Questions
7. Water Sampler	**36**
SDWA compliance sampling requirements, by rule Sample frequencies (routine, triggered, by population) and locations Coliforms Inorganics Radionuclides Organics Volatile Organic Chemicals Primary and Secondary Drinking Water Contaminants Maximum Contaminant Levels Sampling techniques Proper sample volumes and containers Proper preservation and holding time In-situ, field measurement parameters Meter calibration Terms, chemical symbols, abbreviations	

SUGGESTED STUDY RESOURCES

The following is a non-inclusive, non-endorsement listing of reference sources that can be reviewed to help prepare for the New Mexico **Water Sample Technician – Level 2 (WST2)** operator certification exam.

Water Disinfection

- American Water Works Association (AWWA), Water System Operations (WSO), *Water Treatment, Grade 1 (latest edition)*
- American Water Works Association (AWWA), Water System Operations (WSO), *Water Distribution, Grades 1 & 2*, (latest edition)
- California State University, Sacramento (CSUS) Foundation, Office of Water Programs, *Water Treatment Plant Operation, Volume 1* and *Volume 2*, (latest edition)
- California State University, Sacramento (CSUS) Foundation, Office of Water Programs, *Water Distribution System Operation and Maintenance*, (latest edition)

Regulations

- Safe Drinking Water Act, https://www.epa.gov/sdwa, and U.S. Code of Federal Regulations, Title 40, Part 141
- U.S. Environmental Protection Agency, Drinking Water Rule Quick Reference Guides, https://www.epa.gov/dwreginfo/drinking-water-rule-quick-reference-guides
- New Mexico Administrative Code, Title 20, Chapter 7, Part 10, Drinking Water (20.7.10 NMAC)
- New Mexico Administrative Code, Title 20, Chapter 7, Part 4, Utility Operator Certification (20.7.4 NMAC)

Water Sampling

- American Water Works Association, American Public Health Association, and Water Environment Federation, *Standard Methods for the Examination of Water and Wastewater* (latest edition)
- U.S. Environmental Protection Agency, *Quick Guide to Drinking Water Sample Collection* (latest edition)
- U.S. Environmental Protection Agency, The Standardized Monitoring Framework: A Quick Reference Guide
- New Mexico Environment Department, Utility Operator Certification Program, *Water Sampling Certification Study Guide,* , https://www.env.nm.gov/drinking_water/uocp-exams/

Worker Safety

- American Water Works Association (AWWA), *Let's Talk Safety: 52 Talks on Common Utility Safety Practices for Water Professionals*, (latest edition)
- CRC Handbook of Laboratory Safety, (latest edition)