

# Water Authority Position Description

## TREATMENT PLANT OPER APPRENTIC

Status	Position Code	Level	Date
APPROVED	TPOA	O20	Mar 2017

Job descriptions are intended to present a general list of the tasks/duties performed by employees within this job Classification. Job Descriptions are not intended to reflect all duties performed within the job.

### POSITION SUMMARY

THIS IS A TRAINING AND CERTIFICATION PROGRAM WHICH WILL PROVIDE AN OPPORTUNITY FOR ADVANCEMENT BASED UPON SUCCESSFUL COMPLETION OF EACH LEVEL OF TRAINING AND CERTIFICATION. THE APPRENTICE LEVEL CONSISTS OF LEARNING TO OPERATE AND MAINTAIN EQUIPMENT INVOLVED IN THE OPERATION OF WASTEWATER TREATMENT PLANT E.G. COLLECTING VARIOUS WASTEWATER SAMPLES AND CONDUCTING SAMPLE TESTS; LEARNING AND OPERATING THE MORE ROUTINE FUNCTIONS OF A WASTEWATER TREATMENT PLANT.

### MIN EDUCATION & EXPERIENCE REQ

HIGH SCHOOL DIPLOMA OR GED, PLUS 6 MONTHS EXPERIENCE AS A WASTEWATER TREATMENT PLANT OPERATOR, PLUMBER, OR ELECTRICIAN.

A CERTIFICATE FROM THE SACRAMENTO SCHOOL WILL SUBSTITUTE FOR 6 MONTHS EXPERIENCE.

THIS POSITION REQUIRES THE FOLLOWING MINIMUM WORKKEYS SCORES: LOCATING INFORMATION (4); WORKPLACE OBSERVATION (1); APPLIED MATH (4).

### ADDITIONAL REQUIREMENTS

POSSESS AND MAINTAIN A VALID NEW MEXICO DRIVER'S LICENSE  
 POSSESS AND MAINTAIN A VALID AUTHORITY OPERATOR'S PERMIT  
 MUST BE ABLE TO PASS RESPIRATORY CLEARANCE EXAM AS APPROPRIATE TO THE JOB POSITION PRIOR TO HIRE AND ANNUALLY AFTER HIRE. MUST BE ABLE TO PASS FIT TESTING FOR RESPIRATOR WITHIN 30 DAYS OF HIRE AND ANNUALLY, AS REQUIRED, THEREAFTER.

### SUPERVISION RECEIVED/EXERCISED

RECEIVES IMMEDIATE SUPERVISION.

MUST PERFORM DUTIES UNDER THE DIRECTION AND SUPERVISION OF A NM LICENSED WASTE WATER SYSTEMS OPERATOR IV.

**ESSENTIAL FUNCTIONS**

1. OPERATE AND MAINTAIN WASTEWATER TREATMENT PLANT EQUIPMENT ACCORDING TO APPLICABLE RULES AND REGULATIONS; ATTEND REGULAR SHIFT MEETINGS AND OTHER MEETINGS WITH SENIOR PERSONNEL TO DISCUSS DAILY OPERATIONS AND SPECIFIC SHIFT ASSIGNMENTS.
2. COLLECT VARIOUS WASTEWATER SAMPLES; PERFORM BASIC TESTING INCLUDING PH, SULFIDES, NITRATE, AMMONIA, DISSOLVED OXYGEN AND TEMPERATURE LEVELS USING PH METERS, OXYGEN METERS, TEMPERATURE PROBES, AND VARIOUS LABORATORY TESTING EQUIPMENT. EXAMINE OPERATIONS PERFORMANCE ON SCADA TO COMPARE FIELD OBSERVATIONS AND ANALYSIS AND INFORM SENIOR PERSONNEL WHEN ISSUES ARISE.
3. INSPECT AND RECORD FACILITY OPERATIONS BY VISUAL INSPECTION AND ROUTINE MONITORING OF EQUIPMENT AND WATER QUALITY MONITORING DEVICES. RECORD ALL NECESSARY KEY PERFORMANCE INDICATORS AND DOCUMENT SPECIFIC INFORMATION NECESSARY FOR A DESIGNATED AREA OPERATION. MAINTAIN ACCURATE DAILY RECORDS AND LOGS OF OBSERVATIONS AND WORK PERFORMED.
4. MONITOR, ADJUST AND RECORD ALL TREATMENT PLANT PROCESS PERFORMANCE AND CHANGES INCLUDING EQUIPMENT OR OTHER ADJUSTMENTS; INVESTIGATE A VARIETY OF EQUIPMENT FAILURES, DETERMINE CAUSE AND TAKE NECESSARY ACTION, INCLUDING REFERRING IT TO THE OPERATIONS SUPERVISOR.
5. OPERATE VARIOUS VEHICLES INCLUDING TRUCKS AND ATVS TO TRANSPORT TOOLS AND EQUIPMENT. PERFORM A VARIETY OF LANDSCAPING WORK AS NEEDED. PERFORM HOUSEKEEPING DUTIES.
6. OPERATE AND MAINTAIN ENGINES, GENERATORS, PROCESS PIPING AND CHEMICAL FEED EQUIPMENT, AUTOMATIC SAMPLING SYSTEM AND TREATMENT EQUIPMENT.
7. OPERATE COMPUTERS AND OTHER OFFICE EQUIPMENT. DOCUMENT AND RECORD INFORMATION IN PLANT CMMS REGARDING WORK ORDERS.

**SUPPLEMENTAL FUNCTIONS**

1. RESPOND TO PUBLIC INQUIRIES IN A COURTEOUS MANNER; PROVIDE INFORMATION WITHIN THE AREA OF ASSIGNMENT; RESOLVE COMPLAINTS IN AN EFFICIENT AND TIMELY MANNER.
2. PERFORM RELATED DUTIES AND RESPONSIBILITIES AS REQUIRED.

**PREFERRED KNOWLEDGE**

BASIC OPERATIONS, SERVICES AND ACTIVITIES OF A WASTEWATER TREATMENT PLANT  
BASIC MATHEMATICAL PRINCIPLES AND CALCULATIONS  
BASIC PRINCIPLES OF PREVENTIVE MAINTENANCE AS RELATED TO WASTEWATER TREATMENT PLANT FACILITIES  
PERTINENT FEDERAL, STATE AND LOCAL LAWS, CODES AND REGULATIONS

**PREFERRED SKILL/ABILITY**

LEARN PRINCIPLES AND PROCEDURES OF WASTEWATER TREATMENT PLANT OPERATIONS  
LEARN TO COLLECT A VARIETY OF SAMPLES AND CONDUCT APPROPRIATE TESTS  
ASSIST IN THE MAINTENANCE OF EQUIPMENT INVOLVED IN THE OPERATION OF  
WASTEWATER TREATMENT PLANT  
OPERATE PLANT EQUIPMENT AND ASSOCIATED VEHICLES  
OPERATE OFFICE EQUIPMENT INCLUDING COMPUTERS  
COMMUNICATE CLEARLY AND CONCISELY, BOTH ORALLY AND IN WRITING  
UNDERSTAND AND FOLLOW ORAL AND WRITTEN INSTRUCTIONS  
WORK INDEPENDENTLY IN THE ABSENCE OF SUPERVISION  
ESTABLISH AND MAINTAIN EFFECTIVE WORKING RELATIONSHIPS WITH THOSE  
CONTACTED IN THE COURSE OF WORK

**WORKING CONDITIONS**

WASTEWATER TREATMENT PLANT ENVIRONMENT; EXPOSURE TO HEAT, COLD, NOISE,  
DUST, GREASE, SMOKE, FUMES, GASES, ELECTRICAL AND RADIANT ENERGY,  
EXPLOSIVES, TOXIC MATERIALS; WORK IN CONFINED SPACES. EXPOSURE TO HAZARDS  
INCLUDING CHEMICALS IN PROCESS AREAS AND CONFINED SPACES THROUGHOUT THE  
FACILITY.

**PHYSICAL REQUIREMENTS**

MAINTAIN PHYSICAL CONDITION APPROPRIATE TO THE PERFORMANCE OF ASSIGNED  
DUTIES AND RESPONSIBILITIES SUCH AS: WALKING, STANDING OR SITTING FOR  
PROLONGED PERIODS OF TIME; HEAVY, MODERATE OR LIGHT LIFTING; OPERATING  
MOTORIZED EQUIPMENT AND VEHICLES.  
MAINTAIN EFFECTIVE AUDIO-VISUAL DISCRIMINATION AND PERCEPTION NEEDED FOR  
MAKING OBSERVATIONS, COMMUNICATING WITH OTHERS, READING, WRITING AND  
OPERATING ASSIGNED EQUIPMENT.