

# Work Processes Schedule

## WATER-TREATMENT-PLANT OPERATOR (WATERWORKS)

**RAPIDS: 0619N**

O\*NET/SOC: 51-8031.00

REVISION DATE: 01/2016

Operate or control an entire process or system of machines, often through the use of control boards, to transfer or treat water or liquid waste. Demonstrate knowledge and skills for qualifying as Journeyman. Applicable Job Qualification Requirements will be used as a guide in performing tasks and demonstrating knowledge in the following areas. Actual work time must be recorded in the Work Experience Log.

### Applicable Ratings/MOS

USMC MOS 1169, 1171

USCG None

USN EN, MM, MMA, MMN, UT

### Related Instruction

Any trade related schools/courses totaling 432 hours.

### Additional Requirement

MM,MMA,MMN - Must be Nuclear trained and have NEC 3356, 3366 or 3386. EN- Must have NEC 4398.

Total Hours: **6000**

Skill	Description	Hours
<b>A</b>	<b>GENERAL ADMINISTRATION</b>  Maintain directives, files, publications, and records. Prepare reports. Route correspondence. Operate office equipment.	300
<b>B</b>	<b>TECHNICAL ADMINISTRATION</b>  Use blueprints, charts, drawings, publications, manuals, and directives.	250
<b>C</b>	<b>LOGISTICS</b>  Order supplies and minor equipment. Order publications, manuals, and directives. Maintain chemical supplies.	250
<b>D</b>	<b>SAFETY</b>  Conform to prescribed safety standards.	200
<b>E</b>	<b>WATER TREATMENT PLANT OPERATIONS</b>  Operate water purification, storage, and distribution systems. Operate distribution pumps. Operate and regulate manual and motor operated valves. Perform operator maintenance on pumps and valves. Add filtering agents when required. Read and record dial indications. Backwash and/or replace filter elements. Monitor flow gauges and pressure gauges. Mix and add initial chemical charges. Record amounts of chemicals added to product. Test water samples for chlorine residual. Test water samples for contamination. Test water samples for turbidity. Calculate quantity, volume, pressure, and gallons of water using proper water formulas. Check storage tanks for proper	5000

sanitation. Check storage tanks for leaks and damage. Check booster pumps for leaks and damage.

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