

# APPOMATTOX RIVER WATER AUTHORITY

I. POSITION TITLE: SENIOR OPERATOR

SALARY RANGE: \$47,412 - \$78,230

LOCATION: PLANT

II. DEFINITION: Assumes full responsibility in the operation of a state classified Class I water treatment facility. Possess both technical and some mechanical skills in a highly specialized field. Exercises judgement in the application of prescribed methods and procedures. Monitors and controls operation of raw water pumping, chemical coagulation, sedimentation, filtration, disinfection, fluoridation, and corrosion control. Performs necessary water analyses and chemical tests to assure proper treatment. Makes minor repairs and adjustments to equipment without detailed instructions. Supervises and instructs assistant operators and operator trainees. Maintains records and daily logs of all operation. Will be designated the operator in responsible charge of the shift. This position requires working a 12-hour rotating shift including some holidays and weekends.

III. EXAMPLES OF DUTIES: Make necessary adjustments in raw water influent and finished water effluent to maintain proper clearwell level and customer requirements. Performs laboratory test required by the Virginia Department of Health as well as any additional tests needed to ensure proper treatment. Maintains a log of all test results, chemical used, and amount of water treated. Monitors pH, turbidity, and chlorine residual measurements. Uses laboratory and monitoring results to maintain the proper treatment process. Uses emergency power equipment when necessary. Makes plant tours of entire plant when time allows to inspect equipment and treatment process. Directs assistant operators/operator trainees in making equipment and security checks. Assists in the unloading and storage of incoming treatment chemicals. Aids in the cleaning of flocculation and sedimentation basins. Monitors rate of flow and loss of head on high rate filters and backwashes as needed. Plans and supervises work of assistant operator/operator trainee. Instructs and trains operator trainee in all phases of the treatment process, helping them to prepare for advancement through the certification examinations. Will work under the direction of the Operations Manager.

## IV. QUALIFICATION STANDARD

EDUCATION: Must have a high school diploma or equivalent GED certification. Completion of water or related field "short courses" and/or possession of an Associates Degree in a related field is preferred.

EXPERIENCE: **Must have at least five years' experience in water treatment or related plant operations and possess a Class I Virginia certification in water treatment.** Must be proficient in operation of most water treatment equipment at ARWA.

KNOWLEDGE, SKILLS AND ABILITIES: Excellent communication skills in both verbal and written format are required. Must be able to perform mathematical calculations involving addition, subtraction, multiplication, division, percentages, ratios, and solve basic algebraic equations. Must be able to follow technical instructions, procedures and schedules, and maintain excellent detailed records. Ability to follow standard operating procedures (SOP's) and ability to conduct effective hands-on training are required.

V. WORKING CONDITIONS: Indoor /outdoor environment may be regularly hot, cold, misty and/or unventilated. Must be available to work rotating shifts, overtime, and/or unusual hours as necessary. Must be accessible by telephone to respond to emergencies as necessary. Work environment exposes employees to the handling of, with approved protection, hazardous materials.

VI. PHYSICAL REQUIREMENTS: Work requires ability to lift moderate loads (40 to 75 pounds). More than 50 percent of work involves walking, climbing, standing, and/or bending. Work at times, will be located in an OSHA designated noise environment (more than 85 decibels). **Employees must have the physical dexterity to accomplish the duties, in the manner noted, as referenced in this and the above sections.**

VII. OTHER: Medical certification of physical requirements maybe required. Must possess a valid Virginia driver's license.