SANTA ANA WATERSHED PROJECT AUTHORITY

BRINE LINE OPERATOR I AND II
SENIOR BRINE LINE OPERATOR

DEFINITION
Positions operate, maintain and repair SAWPA’s Inland Empire Brine Line (Brine Line), a 73-mile long brine wastewater collection system. Work tasks include construction, installation, servicing, repair, and maintenance of pipelines and appurtenances. Positions require experience in the operation of gravity and pressure collection and transmission sewers comprised of a variety of pipe materials, pipe diameters, the operation of light-, medium-, and heavy-duty motorized equipment, and the use of a variety of hand tools.

All SAWPA employees are designated Disaster Service Workers pursuant to state law (California Government Code Sections 3100-3109) and are expected to work overtime, weekends, evenings and holidays as required to accommodate the Agency needs, in addition to responding as a Disaster Service Worker.

DISTINGUISHING CHARACTERISTICS

Brine Line Operator I: This is the most junior of the Brine Line Operator class series. The Operator I possesses basic skills and proficiency and performs work tasks under supervision. This position involves field activities; tasks are expected to be completed independently, with direction and oversight provided by the Brine Line Operator II, the Senior Brine Line Operator, or the Operations Superintendent.

Brine Line Operator II: This is the journey level in the Brine Line Operator class series. This position possesses the skills and experience required to complete routine and most non-routine activities and can plan and coordinate completion of tasks.

Senior Brine Line Operator: This is the advanced journey level in the Brine Line Operator class series. This position is distinguished from the Brine Line Operator II by the performance of the full range of duties as assigned, working independently and exercising judgment and initiative. Performance at this level requires only occasional instruction or assistance as new or unusual situations arise, and full awareness of the operating procedures and policies of the work unit. The position in this class series is flexibly staffed and at the Senior Brine Line Operator level is normally filled by advancement from the Brine Line Operator II level. When filled from the outside, the employee is required to have prior related experience which allows the employee to meet the qualification standards for the Senior Brine Line Operator level.

SUPERVISION EXERCISED

Brine Line Operator I: None

Brine Line Operator II: May oversee the work performance of the Brine Line Operator I.

Senior Brine Line Operator: May exercise direct supervision over Brine Line Operator I/II.
EXAMPLES OF IMPORTANT AND ESSENTIAL DUTIES

The duties listed below are intended only as illustrations of the various types of work that may be performed. The omission of specific statements of duties does not exclude them from the position if the work is similar, related, or a logical assignment to the class.

**Brine Line Operator I/II, Senior Brine Line Operator:**

Conducts field operations, and maintenance and repair activities for the Brine Line brine wastewater collection system and the SAWPA office building and grounds.

Performs semi-skilled and skilled work in the construction, installation, repair and maintenance of wastewater collection pipelines and facilities; locates pipelines and valves by map plots or specialized equipment; locates utilities by potholing; determines the amount of hand digging required; provides traffic control; sets up and removes barricades to protect crews from street traffic; excavates and backfills sidewalks, streets, trenches and culverts using hand and power tools; exposes mains and lines following safe dig practices and shutdown procedures; installs and removes various types of trench shoring; completes repairs and installs replacement pipe. Refills trenches; repairs asphalt surfaces; replaces and repairs concrete curbs, gutters and sidewalks. Fabricates forms for concrete; pours and finishes.

Operates a variety of heavy or specialized equipment such as trucks, skip loaders, backhoes, concrete saws, portable pumps, compressors, valve machines, jackhammers, pipe cutters, and other hand, hydraulic and power equipment; checks condition of equipment; cleans and maintains tools and equipment used in the field and shops; and operates fall arrest, fall retrieval and atmosphere testing and monitoring equipment, sewer and drain cleaning equipment, chemical application equipment, blowers and ventilators, and smoke testing equipment.

Works in vaults and maintenance access structures and other confined spaces, utilizing proper safety techniques and equipment in accordance with federal, state and SAWPA safety policies and procedures;

Serves as SAWPA field representative for contracted field operations, maintenance, and repair. Coordinates and monitors contractor activities performed.

Responds to questions and complaints from the public regarding activities.

Operates equipment to locate, analyze, and troubleshoot leaks.

Documents work performed per applicable SAWPA forms. Performs data entry into computer-based databases.

Inspects, troubleshoots, and maintains proper pipeline operation using applicable techniques, equipment, and instruments.

Performs Underground Service Alert (USA) markings per the requirements of state law.

Implements, under direction, routine traffic safety at worksites.

Implements safe work practices and complies with all applicable regulations, policies, and procedures.

Provides information and prepares electronic field reports and summaries of activities regarding Brine Line operations and maintenance.
Brine Line Operator II:

All the duties of a Brine Line Operator I plus the following. Performs semi-skilled and skilled work for complex tasks in the construction, installation, repair and maintenance of wastewater collection lines and facilities. Prepares basic traffic control plans and applies for and obtains agency traffic control and encroachment permits. Assesses existing conditions, develops and evaluates alternative repairs, recommends preferred option, identifies required materials, equipment and tools, and implements completion of repairs. Serves as the competent person for trench excavations.

Evaluates required materials and equipment, identifies supply sources, and prepares necessary documents to procure.

Coordinates with agency staffs and permit holders on issues related to Brine Line direct connections and Collection Stations.

Senior Brine Line Operator:

All the duties of a Brine Line Operator I and II plus the following. Directs the completion of and performs skilled work for complex tasks in the construction, installation, repair and maintenance of wastewater collection lines and facilities. Serves as the team lead for confined space entries. Prepares traffic control plans for basic to more complex situations using standard traffic control manuals and details. Prepares and evaluates alternatives for simple to more complex requirements and makes recommendations. Plans, schedules and implements work activities. Makes adjustments as required to accommodate changing priorities and needs of the Agency.

OTHER JOB RELATED DUTIES

Perform related duties and responsibilities as assigned.

JOB RELATED AND ESSENTIAL QUALIFICATIONS

Brine Line Operator I/II, Senior Brine Line Operator:

Knowledge of:

Operation and maintenance of a wastewater collection system. Methods and techniques of wastewater collection system inspection, and maintenance and repair including use of CCTV inspection equipment, line cleaning equipment, flow monitoring devices and utility marking per California State laws.

Operation of power equipment, including trucks, loaders and related equipment; shop mathematics; safe work methods and safety regulations pertaining to the work; shoring principles and methods; traffic safety methods, practices and regulations; line locations; and confined spaces and confined space entry.

Pertinent Federal, State, and local laws, codes, and regulations including applicable OSHA rules and regulations.

Safe driving principles and practices.
Skill to:
Establish and maintain effective working relationships with those contacted during the course of work.

Communicate orally and in writing in an accurate, clear, concise manner in the English language.

Implement proper and safe work practices, use of tools and equipment, and operation, maintenance and repair activities.

Operate modern office equipment including computer equipment and software.

Operate a motor vehicle safely.

Ability to:
Perform skilled tasks in the maintenance of wastewater collection pipelines; operate the tools and equipment, including heavy equipment, common to public utility construction and maintenance; follow oral and written instructions; shore a trench; communicate effectively, orally and in writing; make sound independent judgments within established guidelines; set up and maintain traffic controls.

Understand the organization and operation of the Agency as necessary to perform assigned responsibilities.

Learn new and advanced collection system techniques for maintenance, repair, and new construction.

Prepare and maintain accurate and complete records of field activities. Prepare accurate, clear and concise reports.

Collect, compile, and analyze information and data.

Handle multiple concurrent activities.

Establish, maintain, and foster positive and harmonious working relationships with those contacted in the course of work.

Brine Line Operator II, Senior Brine Line Operator:

Skill to:
Perform arc and electric welding and metal cutting.

Ability to:
Plan and organize work activities including evaluation of alternatives, selection and implementation of an effective course of action, exercise independent judgment and initiative. Estimate necessary materials and equipment to complete assignments

Exercise good judgment, flexibility, creativity, and sensitivity in response to changing situations and needs.

Interpret and apply the policies, procedures, laws, codes, and regulations pertaining to assigned programs and functions.
Analyze situations carefully and adopt effective courses of action.

Handle multiple concurrent activities and manage priorities.

**EXPERIENCE AND TRAINING GUIDELINES**

*Any combination equivalent to experience and training that would provide the required knowledge, skills, and abilities would be qualifying. A typical way to obtain the knowledge, skills, and abilities would be:*

**Training and Experience Brine Line Operator I:**
Graduation from high school or G.E.D. equivalent, and one year of experience in wastewater collection system maintenance, repair, and/or construction.

**License or Certificate Brine Line Operator I:**
A valid California driver’s license and the ability to maintain insurability under SAWPA’s Vehicle Insurance Policy.

Grade 1 California Water Environment Association (CWEA) Collection Systems Maintenance Certification obtained within the first six months of employment, and the ability to obtain Grade 2 Certification within one year after obtaining Grade 1.

**Training and Experience Brine Line Operator II:**
Graduation from high school or G.E.D. equivalent; and three years of journey-level experience in wastewater collection system maintenance, repair, and construction.

**License or Certificate Brine Line Operator II:**
A valid California driver’s license and the ability to maintain insurability under SAWPA’s Vehicle Insurance Policy.

Grade 2 California Water Environment Association (CWEA) Collection Systems Maintenance Certification or an additional year of qualifying experience. Ability to obtain Grade 3 Certification within one year of employment.

**Training and Experience Senior Brine Line Operator:**
Graduation from high school or G.E.D. equivalent; and three years of advanced-level experience with at least one year of supervisory experience in wastewater collection system maintenance, repair, and construction.

**License or Certificate Senior Brine Line Operator:**
A valid California driver’s license and the ability to maintain insurability under SAWPA’s Vehicle Insurance Policy.

Grade 3 California Water Environment Association (CWEA) Collection Systems Maintenance Certification or an additional year of qualifying experience. Ability to obtain Grade 4 Certification within one year of employment.
SPECIAL REQUIREMENTS

Essential duties require the following physical skills and work environment:

The employee regularly works in extreme outside weather conditions and in or near street traffic with significant exposure to unsafe or hazardous drivers. The employee regularly works near moving mechanical parts, in confined spaces, is exposed to wet and/or humid conditions and vibration, and works in precarious/confined places. The employee frequently works on slippery or uneven surfaces and is often exposed to fumes or airborne particles, raw sewage, deep trenches that require shoring, toxic or caustic chemicals, and risk of electrical shock. The noise level in the work environment is frequently loud.

While performing the duties of this job, the employee is regularly required to use hands to finger, handle, feel or operate objects, tools or controls and reach with hands and arms. The employee frequently is required to stand and talk or hear. The employee is frequently required to walk; sit; climb or balance; stoop, kneel, crouch or crawl.

The employee must regularly lift and/or move up to 50 pounds and frequently up to 100 pounds. Specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision, depth perception, and the ability to adjust focus.

Employees in this classification are subject to on-call, which may include rotating-duty schedule, weekends and 24-hour emergency call out with little or no notice. Any employee designated to serve on-call who repeatedly refuses to serve on-call, or report for emergencies, shall be subject to disciplinary action up to and including termination.

Effective Date: November 2019