



## Assistant Pump & Filtration Technician (Full-time, temporary) Job Posting

Roger Williams Park Zoo of Providence, Rhode Island, one of the nation's oldest zoos and exhibiting over 100 animal species, is currently recruiting for a full-time, temporary Assistant Pump & Filtration Technician. This individual in this position is responsible for assisting with the layout, assembly, installation, and maintenance of pipe systems, pipe supports, and related hydraulic and pneumatic equipment for steam, hot water, heating, cooling, and filtration systems. The Pump & Filtration Technician will also be called upon to assist in other areas of the Facilities Department including, but not limited to, snow removal, carpentry, equipment maintenance and repair, and other related areas of the construction field.

### **RESPONSIBILITIES**

- Cutting, threading, and hammering pipe to specifications, using tools such as saws, cutting torches, pipe threaders and benders.
- Assemble and secure pipe, tubes, fittings, and related equipment, according to specifications, by welding, brazing, cementing, soldering, and threading joints.
- Attach pipe to walls, structures, and fixtures, such as radiators, tanks, or filters using brackets, clamps, tools, or welding equipment.
- Inspect, examine, and test installed systems and pipe lines, using pressure gauges, hydrostatic testing, observations, or other methods.
- Measure and mark pipes for cutting and threading.
- Layout piping and related equipment according to direction provided by Facility Manager or designee.
- Cut and bore holes in structures, such as bulkheads, decks, walls, and mains pipe installation, using hand and power tools.
- Turn valves to shut off steam, water, or other gases or liquids from pipe sections, using valve keys or wrenches.
- Operate motorized pumps
- Remove and replace worn components
- Assists the Pump and Filtration Technician in facilitating the maintenance of all pump and filtration systems including diagnosis, troubleshooting, evaluating and repair.

- Performs preventative maintenance, adjustments, and basic repairs on pump and filtration systems. (Ex. cleaning of strainer baskets, ensuring proper pressure on all gauges consistently, scheduling media replacement back washing, lubes and grease.)
- Performs major component replacement and emergency repair work as needed (i.e. valves, gauges, pumps, motors, piping, and media replacement).
- Ensures proper care in the use and maintenance of equipment, supplies related to pump filtration and safety procedures.
- Lubricate all moving parts and bearings pertaining to equipment related to pump filtration system.
- Receives and complete work orders from the Facilities Manager and/or the Deputy Director of Operations pertaining to the maintenance, construction and repair of all pump and filtration systems.
- Implement and understand the proper and safe usage of all hand and power tools.
- Clean-up of facilities shop and surrounding areas.
- Receive work orders and perform required maintenance or repair.
- Participate in snow and ice removal according to the Snow & Ice Removal policy.
- This position is considered essential. Should there be severe weather or a zoo emergency, the person in this position is expected to respond accordingly.
- Maintenance and repair of Zoo buildings including, but not limited to fencing, hardware, doors, roofing, storm drains and sewers.
- Painting the interior and exterior of all new and existing facilities and structures.
- Construction and maintenance of animal holding areas (non-exhibit areas).
- Able to read plans, interpret information and implement into construction of animal and non-animal structures.
- Assist other members of the Operations department with various tasks or projects.
- Assist with emergency response for crowd control and zoo evacuation during emergency recovery situations.
- Perform other duties as assigned.

## **CRITERIA**

### *Experience and Education:*

- High school diploma or equivalent combination of education and/or experience.
- Minimum of three years experience in Plumbing, HVAC or related field.
- Prior experience with filtration systems as related to pools or aquariums preferred.
- Prior experience in a carpentry role preferred.

### *Skills and Aptitudes:*

- Proficient in plumbing with an understanding of theories, designs and techniques.
- Experience with or knowledge of various facilities equipment, materials, supplies, building automation equipment, and operations of computerized controls, particularly related to pump and filtration systems.
- Experience in reading and comprehending maintenance manuals, prints and drawings.

- Solid knowledge of local and state plumbing codes.
- Cooperative attitude and highly detailed.
- Highly organized and able to work with minimum supervision.
- Excellent verbal and written communication skills.
- Ability to communicate effectively with the public.
- Ability to work in a high public contact area.

*Additional Requirements:*

- Successful completion of a background check.
- Valid state driver's license.
- Ability to be on call for Zoo emergencies including severe weather conditions.
- Ability to work outdoors under various weather conditions.
- Ability to work flexible work schedule, including weekends and holidays.

Interested candidates are encouraged to send a cover letter and resume to:

Roger Williams Park Zoo  
**ATTN: Assistant Pump & Filtration Technician**

1000 Elmwood Ave  
Providence, RI 02907

-or-

*employment@rwpzoo.org*



ACCREDITED BY THE  
**ASSOCIATION  
OF ZOOS &  
AQUARIUMS**



[rwpzoo.org](http://rwpzoo.org)

