



Job Title: Water Marshal

Location: Huntsville, Alabama

Position Summary:

The Water Marshal is a critical position responsible for managing all water-related processes, safety, and systems during the construction of a hyperscale data center. This role ensures that water usage, distribution, drainage, and treatment activities comply with project specifications, environmental standards, and safety regulations. The Water Marshal is also charged with overseeing water management systems to ensure their successful integration during the commissioning phase of the project.

This position requires a thorough understanding of water systems, both mechanical and civil, with a focus on large-scale infrastructure, as well as strong leadership skills to ensure that water management practices align with local, state, and federal regulations. The Water Marshal works closely with the General Contractor (GC), commissioning teams, mechanical contractors, and environmental safety teams to ensure effective water usage and to minimize any potential risks associated with water infrastructure.

Key Responsibilities:

1. Water Management & System Oversight

- **Water Isolation Procedures:** Develop, implement, and enforce water isolation and control procedures, ensuring safe management of water systems during both construction and commissioning phases.
- **Water Distribution System Coordination:** Monitor and control the installation and operation of water distribution systems, ensuring proper function, flow control, and pressure management according to design specifications.
- **Permit Management:** Review, issue, and track all water-related permits, ensuring compliance with all water management protocols, including permits for discharge, usage, and treatment.
- **Drainage & Water Handling:** Manage site drainage systems, including stormwater runoff, to ensure efficient water handling and prevent flooding, erosion, or other site-related risks.



2. Environmental Safety & Compliance

- **Water Safety Compliance:** Ensure all water-related processes adhere to safety regulations, industry best practices, and environmental standards, such as the Clean Water Act and state/local water quality regulations.
- **Environmental Risk Assessment:** Conduct water-related environmental risk assessments, identifying potential hazards such as contamination, erosion, or infrastructure failure. Develop mitigation strategies to manage identified risks.
- **Water Treatment Oversight:** Oversee the implementation and management of water treatment systems on-site, ensuring that discharged water meets environmental and regulatory standards before release.

3. Water Infrastructure & Commissioning Support

- **Commissioning Phase Coordination:** Work closely with the commissioning team to ensure water systems are properly integrated into the facility. This includes cooling systems, plumbing, fire protection systems, and water treatment systems.
- **Hydrostatic Testing & Flushing:** Oversee hydrostatic pressure testing, pipe flushing, and leak detection processes to ensure all systems are functioning properly prior to commissioning.
- **Operational Readiness of Water Systems:** Ensure all water systems are operational and meet design and safety requirements during the final stages of construction, commissioning, and handover.

4. Stakeholder Communication & Collaboration

- **Cross-Disciplinary Collaboration:** Act as the primary liaison between the General Contractor, client representatives, mechanical contractors, environmental consultants, and commissioning teams to ensure clear communication and alignment on water management processes.



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- **Reporting & Documentation:** Prepare detailed reports for stakeholders, including water usage, safety compliance, environmental impact assessments, and system commissioning status.
- **Client Communication:** Provide regular updates to the client and GC management team on the status of water systems and any issues that may impact project timelines or compliance with environmental standards.

5. Continuous Improvement & Training

- **Process Evaluation & Improvement:** Continuously review water management processes and identify opportunities for improvement, ensuring that procedures evolve to maintain the highest standards of safety and efficiency.
- **Site Training & Education:** Lead water safety training programs for construction site personnel, ensuring that all workers understand water isolation procedures, stormwater management, and other essential water safety protocols.
- **Audit & Inspection:** Regularly audit water management systems and protocols to ensure compliance with all regulatory and safety standards, initiating corrective actions where necessary.

Required Qualifications:

Education and Experience:

- Bachelor's Degree in Civil Engineering, Environmental Engineering, Water Resource Management, or a related field (or equivalent experience).
- Minimum of 4-6 years of experience in water management or environmental engineering, with a focus on large-scale infrastructure or industrial projects.
- Experience with hyperscale data center construction projects is preferred.
- Strong understanding of water distribution systems, water treatment, and drainage, as well as environmental compliance and regulatory requirements (e.g., Clean Water Act, NPDES permits).
- Experience working with municipal water authorities, regulatory agencies, and environmental consultants.



Skills and Competencies:

- **Water Systems Expertise:** Comprehensive knowledge of water distribution systems, water treatment, stormwater management, and hydrostatic testing procedures.
- **Regulatory & Environmental Compliance:** In-depth understanding of water management regulations and environmental protection standards, with experience ensuring site compliance.
- **Leadership & Safety Focus:** Demonstrated ability to lead teams and enforce stringent safety and environmental management practices, particularly in the context of large construction projects.
- **Analytical & Problem-Solving:** Ability to quickly assess and resolve complex issues related to water management and infrastructure.
- **Communication & Reporting:** Excellent verbal and written communication skills, with the ability to produce detailed reports and effectively communicate technical water management concepts to diverse stakeholders.
- **Collaboration & Coordination:** Proven ability to work cross-functionally with contractors, engineers, environmental consultants, and regulatory agencies.

Certifications (Preferred):

- Certified Water Operator (CWO)
- OSHA 30 Certification
- Stormwater Pollution Prevention Plan (SWPPP) Certification
- Water Distribution Operator Certification

Salary ranges from \$60-\$65 an hour DOE