Title: Maintenance Engineer  
Classification: Barnstable County  
Department: Dredge  
Grade: N/A  
Reports to: Dredge Superintendent  
FLSA Status: Non-Exempt  
Effective Date: November 2018  
Union Status: Non-represented

Summary
Responsible for the maintenance and repair work of dredge, ensuring the operational readiness of dredge and attendance of equipment and associated dredging related work; all other related work as required.

Supervision
Works under the general direction of Dredge Superintendent and/or the Dredge Captain. Receives oral instructions concerning specific projects and general suggestions on assignments. Judgments associated with major equipment faults are referred to supervisor.

Performs varied and highly responsible duties, requiring judgment in conducting work, independently making technical judgments concerning maintenance and repair assignments.

Essential Functions
The essential functions or 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 position.

- Responsible for daily operational readiness of dredge, push boat, skiff, front-end loader, and all support equipment.
- Provides routine maintenance and troubleshoots equipment problems; ensures essential equipment is operational to avoid down-time and loss of production.
- Moves dredge, pushes boat on site, with related pipeline positioning; assists in moving the dredge between work sites.
- Designs and fabricates hydraulic systems and/or changes to the current systems; makes improvements to current systems.
- Undertakes welding and fabrication; engages in welding of existing structures, and fabrication of new equipment.
- May be involved with handling skiff and associated anchor movement related to dredge activities.
- Operates a front-end loader.
- Performs similar, or other related work, as required, directed, or situation dictates.

Recommended Minimum Qualifications
* Must be able to travel and work a rotating schedule
* Must be able to tolerate rough seas, vibrations, heat, confined spaces, and high noise levels.
**Education and Experience**
High school education and five years of experience with diesel, gas and outboard mechanics, hydraulic/pneumatic mechanics, marine electrical systems and welding. Experience operating heavy equipment and diesel engines, and marine and boat handling experience.

**Knowledge**
Knowledge of marine dredging operations, boating, welding, diesel engines maintenance and repair. Knowledge of pumps and hydraulic systems and heavy equipment.

**Ability**
Ability to work in difficult weather conditions. Ability to work with equipment and manage projects with safety. Ability to work independently and carry out defined plans and tasks. Ability to work in a marine environment.

**Skill**
Mechanical aptitude; skilled at repairing and identifying faulty equipment. Welding with arc and gas equipment. Skilled at fabricating mechanical devices.

**Required Licensing/Certification:**
Must have a valid Driver’s License, and reliable transportation to and from the job site
Ability to acquire a hydraulic license (Class 1B)

**Job Environment**
Work is performed outdoors with risk of exposure to loud noise and outdoor weather conditions (rain, fog, wind), extremes of temperatures, and risks associated with water, rivers and bays, as well as exposure to dangerous equipment. Risk of injury from occupational hazards of heavy equipment and hydraulics and a marine environment.
Work fluctuates seasonally; work normally takes place from October to June; expected to work long hours, evenings and weekends to achieve seasonal goals.

Operates hand tools, power tools, pneumatic tools, light trucks, heavy equipment and light equipment. Uses equipment, such as torch, welding equipment, overhead hoists, navigational equipment, pumps, skiff with outboard motor, rope lines, and winches and other related equipment.

Errors in performing responsibilities could result in personal injury, injury to others, damage to equipment, and delay or loss of service.

**Physical Requirements**

*The physical demands described are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.*
Strenuous physical effort required to perform duties under all weather conditions. Required to walk, sit and stand for long periods and reach with arms. Frequently required to lift more than 30 pounds, and occasionally required to lift more than 100 pounds and shift or position anchors which weigh 150, 300 and 500 pounds.

*This job description does not constitute an employment agreement between the employer and employee, and is subject to change by the employer, as the needs of the employer and requirements of the job change.*

*Equal Opportunity/Americans with Disabilities Act Employer*