

## MICHAEL F. ROSE, JR PRESIDENT

### Summary of Experience

Mr. Rose is the principal owner and operations manager of RC&D, Inc. and has over 20 years of experience in heavy civil/marine construction, land development and environmental remediation. Mr. Rose specializes in the development and implementation of innovative complex site excavation and dewatering methods, waste disposal and treatment options, design and oversight of both small and large scale soil/sediment remedial projects, slurry wall containment, shoring installation and site civil/marine construction. Mr. Rose has significant experience managing large scale design-build marine projects. Whether developing and managing the construction activities for the entire company throughout New England and the mid-Atlantic, or directing the removal, stabilization and site demolition at a river remediation project with PCB waste, Mr. Rose has a clear understanding of the nature of the contaminant, the appropriate techniques to address the contamination and the regulatory requirements associated with the impacts. Mr. Rose is also expert at the evaluation of site conditions, project estimating and start-up, and coordination of complicated construction projects; and has extensive experience in design-build marine construction, cofferdam installation, dam construction, large-scale river diversion and earthmoving projects. Mr. Rose has been paramount in taking RC&D safely through over \$30 Million worth of completed river diversion and marine construction work in developing a value conscience self-performing contracting company with a proven track record.

### Special Qualifications

- Extensive wetland and marine restoration and remediation with USACE-NED
- Specialty excavation experience in wetland, marsh, and marine environments
- Extensive experience managing large-scale river diversion and cofferdam excavation projects
- 20+ years of experience in Heavy Civil, Marine, and Environmental Construction
- Working knowledge of applicable federal, state, and local regulations gained on several years of work at USACE NED sites
- Completed 20-week project management certificate (included project management, cost estimating, and tracking via Oracle database)
- Completed construction management certificate as part of a seven-course (20 credit) program at Northeastern University (1998)
- Trained in use of Quest cost estimating system on projects estimating and scheduling
- 13 years of experience in construction management. He was construction superintendent for the Nyanza Chemical Waste Superfund Site and the Devens Landfill Remediation Project under the USACE New England RAC Program.

#### EDUCATION

B.S., Marine Engineering,  
Massachusetts Maritime  
Academy, 1990  
Construction Management  
Certificate Program,  
Northeastern Graduate  
School, Boston, MA 1998

#### LICENSES & CERTIFICATIONS

US Coast Guard Second  
Assistant Engineer License  
Unlimited Steam and Diesel  
USACE Construction Quality  
Management for  
Contractors  
Quality & Cost Control  
Program – Parsons  
Brinkerhoff, 1998-2000

#### WORKING KNOWLEDGE OF FEDERAL, STATE, AND LOCAL REGULATIONS

The following summarizes  
relevant EPA Regions and  
states in which regulatory  
knowledge was gained:

EPA Region I: CT, RI, NH, MA  
USACE-NED

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## **Project Experience**

### **President, RC & D, Inc. 2004 to Present (Vice President 2004-2012)**

Responsible for the overall management of the company, including supervision and management of large restoration and remedial projects. Managed over \$30 million in waterways and environmental restoration projects, including those in marine and wetlands environments.

### **Remediation Manager/ General Construction Superintendent, Shaw, 2000- 2004**

#### **Project Experience:**

#### **Construction Superintendent, Devens Landfill Remediation Project, MA USACE New England RAC, 2000 to 2003**

Manager for \$25 million cost-reimbursable landfill remediation, supervised up to 50 site personnel and 10 subcontractors (paving, fencing, welding, concrete, sheet piling, T&D, landfill construction and capping, pump station construction, erosion control, offsite laboratory) in excavation project of 375,000 cubic yards of demolition debris and installation of 1,200 linear feet of force main and pump station. Coordinated with MADEP and EPA Region I on NPDES permitting and T&D manifests. Self-performed all remediation and restoration work, as well as a significant portion of landfill construction. Oversaw and designed dewatering operations of an eight-acre lined landfill to hold construction debris. Assisted in procuring more than \$4 million in heavy construction equipment to expedite work activities. Responsible for preparing and maintaining project critical path method schedule and cost estimates, forecasts, and change order. Project was completed on schedule and within budget including increased scope (excavation and disposal quantities). Project was one of U.S. Army's 2002 success stories presented to Congress. "Field team led by Mike Rose was innovative and professional... faced numerous challenges of working 20 feet deep in water and on steep slopes while at the same time producing a high-quality product."—Richard Carlson, Chief, Construction Operations Division, February 5, 2004.

#### **Construction Superintendent, Nyanza Chemical Waste Superfund Site, MA, USACE New England RAC, 2000**

Supervised \$11 million Superfund remediation of chemical waste dump that included the excavation and onsite disposal of mercury-contaminated wetlands, and installation of 1,800 linear feet of water main and services. Scope included dewatering five half-acre wetlands, excavating 20,000 cubic yards of mercury-contaminated sediments, dewatering, and stabilizing the sediments with lime, prior to disposal. Oversaw construction of a three-acre portion of a 14-acre onsite landfill and removal of 19,000 cubic yards of clean fill. Supervised restoration of approximately eight acres of wetland habitat and coordinated construction activities of up to a 25 man-fields crews and eight subcontractors, who performed civil works, steel sheet piling, liner, landscaping, trucking, asbestos removal, paving, and on site laboratory services. Worked closely with USACE, EPA Region I, MADEP, and the Town of Ashland regarding remediation work, such as excavation of landfill cap and water line installation. Developed project estimates, tracked daily costs, and prepared monthly cost and client reports. Attention to worker health and safety resulted in 40,000 hours worked without lost-time injuries during the project. Several innovative changes to the design were submitted and resulted in estimated \$2.5 million in savings.

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**Operations Manager, Mechanical and Civil Systems, Massachusetts Turnpike Authority, 1999-2000**

Oversaw two civil works contracts totaling more than \$500 million for the \$14 billion Central Artery Project (“the Big Dig”), which had a unique challenge of being built in the middle of a city. Provided technical input of mechanical, electrical, and civil systems. Performed walk down systems to verify design conformance. Reviewed and approved project design specifications for all pump station from inception to completion. Developed system maintenance and test requirements for turnover requirements and oversaw turnover process. Provided input to the Construction Cost Analysis/Savings Program. Managed NPDES permitting and other regulatory compliance for all permitted discharges to surface bodies.

**Lead Maintenance Engineer Parsons Brinckerhoff, 1997-1999**

On Central Artery Project, Boston, MA, supervised 40 field personnel and craft labor and more than 30 subcontractors in developing and performing preventive and corrective maintenance, and energy control procedures (lockout/tagout) for this 10-year, \$14 billion project. Developed and implemented system MMIS to maintain warranty and spare parts. Reviewed and approved hundreds of contractor maintenance and as-built drawing submittals. Performed walk down systems to verify design conformance. Provided technical input to Owner’s Maintenance Department. Coordinated and conducted training of 20 Massachusetts Turnpike Authority personnel in procedures for operating pump stations, power substations, and other civil and mechanical systems.

**Operating Manager, Tri-Star Construction Company, 1994-1997**

Veterans Administration hospital in Mattapan, MA Excavation and utility subcontractor to JF White. As part of excavations, encountered soils contaminated with DNAPL contamination. Remediation included installation of perimeter slurry walls to control groundwater infiltration to facilitate in situ thermally enhanced groundwater extraction and treatment. Managed several construction contracts simultaneously. Estimated contract costs, developed bids, managed contract financing, and negotiated contracts with owners/primary contractors. Scheduled, staffed, managed, and supervised up to 15 project personnel including engineers, superintendents, union trades. Worked closely with MADEP and numerous local Board of Health representatives regarding permitting associated with installation of septic systems. Filed NOIs with MADEP and town conservation commissions regarding land development within wetlands boundaries.

**Second Assistant Engineer, Maintenance/ Mechanical Systems, Interlake Steamship Company, 1990-1994**

Managed daily operations of a high-pressure steam plant. Supervised eight to nine merchant marines in preventive and corrective maintenance on systems, which included marine boilers, boiler/burner controls, turbos, turbines, diesel/turbine generators, and support systems. Maintained and operated various propulsion and power plants. Responsible for inventory control for all systems/equipment. Coordinated with Coast Guard regarding fueling, refueling, and discharge.

**Chief Engineer, Price Brothers, 1990-1994**

As master of hopper dredging projects, supervised three ships personnel in maintenance and operation of dredge gear and dredge pump operation. Responsible for ship’s business, deck gear operation, maintenance, and miscellaneous support systems. Scheduled and supervised the overhaul and retrofit of hydraulic, electrical and dredging systems and oversaw inventory control for all systems/equipment.