

# **Company Profile**

# Globally recognized for providing expert solutions in environmental, industrial, and emergency services

With the highest safety standards and industry best practice, NRC provides highly responsive service in some of the world's most challenging environments. First established in 1992 as an oil spill response provider following the introduction of the 1990 Oil Pollution Act (OPA 90), through strategic acquisition and organic growth, our service lines have since expanded to cover a wide range of industrial and remediation services as well as training, consultancy, and specialty response services. Our modern equipment and highly trained personnel places us in a unique position to optimally prepare, respond, and remediate with the best resources for our clients.

We have an unyielding commitment to quality and safety. At NRC, safe operations and the protection of the environment are paramount.

### Mission Statement

As a global environmental services company, NRC provides a wide range of response, industrial, remediation, marine, and consulting and training services. We are committed to the principles of safety, superior customer service, innovation, and quality and commitment. NRC works in partnership with our clients to deliver comprehensive and costeffective solutions to the energy, manufacturing, transportation, engineering and construction, and health industries worldwide.

### Domestic Headquarters (US)

3500 Sunrise Highway Suite 200, Building 200 Great River NY, 11739 Tel: 1-631-224-9141

Fax: 1-631-224-9082 IOC Fax: 1-631-224-9086 IOC Email: iocdo@nrcc.com

# International Headquarters (UK)

304 Witan Court Witan Gate West Milton Keynes MK9 1EJ

Tel: +44 1908 467800 Fax: +44 1908 662967 Email: infouk@nrcc.com



Remediation Services

Waste Management

Fire Fighting & Rescue

Consultancy & Training





# **Global Presence**

With over 1,250 personnel, 52 office locations in 13 countries, NRC has a great depth in personnel and specialized equipment resources. We provide emergency and environmental services to more than 15,000 tank and non-tank vessels and an additional 2,000 barges, and cover approximately 700 assorted facilities, refineries and pipelines, as well as railroad companies, power plants and airport fuel farms around the world.



# **Independent Contractor Network**

NRC is supported in the United States by an Independent Contractor Network (ICN) consisting of over 140 companies, over 5,000 personnel, and more than 9,000 pieces of equipment based in 570 locations throughout our areas of operation. NRC maintains contractual agreements with every member of the network. We develop and train our ICN members to ensure the continuous availability of resources to support our clients' response needs. Through this system

of strategically pre-positioned personnel and equipment, NRC is able to assemble, at a very rapid rate, a highly trained response workforce, which is prepared to handle any emergency.

NRC utilizes subcontractors when in the best interest of our clients, either to enhance response times and decrease mobilization costs in remote locations or to add specialized resources not available directly through NRC. While emergency response and time critical work will be conducted primarily with NRC personnel, equipment and materials, qualified firms will be used as needed to provide support services and other resources.





### **ALASKA**

Industrial Services 1749 Ship Avenue Anchorage, AK 99501 P: (907) 258-1558 F: (907) 746-3651

Sales & Customer Service 619 East Ship Creek Ave. Suite 309 Anchorage, AK 99501 P: (907) 258-1558 F: (907) 746-3651

Viking Facility (TSDF) 2020 Viking Drive Anchorage, AK 99501

Locations / Facilities 2940 Commercial Drive Anchorage, AK 99501

1315 Queens Way Fairbanks, AK 99701

44066 Kenai Spur Hwy PO Box 1530 Kenai, AK 99611

425 Outer Springer Loop Rd. Palmer, AK 99645

500 Airport Way Alutiiq Bldg. E Pouch 340131 Prudhoe Bay, AK 99734

### **CALIFORNIA**

1605 Ferry Point Alameda, CA 94501 P: (510) 749-1390 F: (510) 749-4150

1111 Marauder Street Chico, CA 95973 P: (530) 343-5488 F: (530) 343-4356

11 T Street Eureka, CA 95501 P: (707) 441-0723 F: (707) 441-0743

3777 Long Beach Blvd. Long Beach, CA 90807 P: (562) 432-1304 F: (562) 432-1826

Port Hueneme Harbor Building #432 Port Hueneme, CA 93041 P: (805) 488-3999 F: (805) 488-0022

2450 Rice Avenue West Sacramento, CA 95691 P: (916) 371-7202 F: (916) 344-2974

2950 Kurtz Street San Diego, CA 92110 P: (619) 235-3320 F: (619) 232-4093

3284 Ventura Avenue Ventura, CA 93001 P: (805) 667-8424 F: (805) 667-8571

### CONNECTICUT

92 Commerce Circle Durham, CT 06422 P: (203) 268-7046 F: (203) 268-7105

### **MAINE**

31 Waldron Way Portland, ME 04103 P: (207) 878-3031 F: (207) 878-3043

106 Main Street (TSDF) South Portland, ME 04106 P: (207) 799-0850 F: (207) 799-5565

### **MASSACHUSETTS**

19 National Drive Franklin, MA 02038 P: (508) 966-6000 F: (508) 966-4861

114 Bridge Road Salisbury, MA 01952 P: (978) 465-1595 F: (978) 465-2050

### **NEW HAMPSHIRE**

44 Locke Road Concord, NH 03301 P: (603) 410-1150 F: (603) 410-1151

### **NEW YORK**

4240 Albany Street Albany, NY 12205 P: (518) 355-0197 F: (518) 355-3256

401 Creekside Drive Ste. 3 Amherst, NY 14228 P: (716) 525-1962 F: (716) 525-1967

63 Trade Road Bldg. #4 Massena, NY 13662 P: (315) 764-1917 F: (315) 764-9453

1260 Scottsville Road Ste. 102 Rochester, NY 14624 P: (585) 278-1151 F: (585) 278-1150

6392 Deere Road Syracuse, NY 13206 P: (315) 463-1643 F: (315) 463-9764

10-Day Transfer Facility 4240 Albany Street Colonie, NY 12205

### **OREGON**

6211 North Ensign Street Portland, OR 97217 P: (503) 283-1150 F: (503) 289-6568

10675 SW Clutter Road Sherwood, OR 97140 P: (503) 682-2723 F: (503) 570-0779

### **TEXAS**

411 Bolliger Blvd Fort Worth, TX 76108 P: (817) 246-3338 F: (817) 246-0311

Portland

Concord
Salisbury
Franklin

Great River, NY 11739 P: (631) 224-9141 F: (631) 224-9082 IOC: (800) 899-4672

NRC Corporate Heaquarters 3500 Sunrise Highway Building 200, Suite 200

Durham

17350 State Highway 249 Suite 150 Houston, TX 77064 P: (713) 965-4150 F: (713) 965-4164

### **VERMONT**

280 Commerce Drive Williston, VT 05495 P: (802) 488-3900 F: (802) 488-3950

54 Avenue D (TSDF) Williston, VT 05495 P: (802) 860-1200 F: (802) 860-7202

### **WASHINGTON**

106 Lila Lane Burlington, WA 98233 P: (206) 607-3000 F: (206) 607-3001

1810 E. James Street Pasco, WA 99301 P: (509) 545-6110 F: (509) 547-6128

9520 10th Ave. South Ste. 150 Seattle, WA 98108 P: (206) 607-3000 F: (206) 607-3001

21 North Julia Street Spokane, WA 99202 P: (509) 536-5960 F: (509) 536-5961

# Health & Safety, **Environmental Compliance, Quality Control**

NRC is committed to ensuring the health and safety of our employees in the performance of assigned work, giving full regard to evolving industry practices and regulatory requirements.

NRC continuously strives to achieve excellence in health and safety performance and to be recognized as a leader in accident prevention. All employees have the responsibility and accountability for safety performance through active involvement in safety initiatives.

Employees are encouraged to raise safety issues and are empowered to make changes.

Our target is **ZERO** injuries.

"The culture that your company has developed in your staff is what we strive to see in all the subcontractors that work on our projects."

The Dow Chemical Company

### **LEADERSHIP**

Focused Accident Reduction Plan Management Team Meetings Strategic Planning Safety Committees Management Commitment

# **EDUCATION**

Safety Talks Communication
New Employee Orientation
Incentive Program Employee Training Management Training

Target **ZERO** 

Continuous

Improvement

### **RISK MANAGEMENT**

Return to Work Program Policies and Procedures Case Management Job Safety Planning Subcontractor Safety

### MONITORING

Safe Work Observations Field Inspections Near Hit Investigations Statistical Analysis Safety Stewards Injury Investigations

Sustainability



NRC's health and safety program and performance is reviewed and approved by multiple third party health and safety auditing entities such as Avetta (formerly PICS), Browz, and ISNetWorld.









# **Insurance & Bonding**

NRC maintains a comprehensive insurance program to insure its workers, equipment, vehicles, and clients from liability arising from its operations. In addition to Worker's Compensation, and Longshoremen coverage, we provide up to \$20 million per occurrence/ aggregate coverage for:

- Employer's Liability
- General Liability
- Automobile Liability
- Contractor's Pollution Liability/ Errors & Omissions
- Protection and Indemnity coverage on vessels

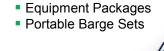
NRC's bonding program provides comprehensive surety coverage for projects requiring bid and/or performance and payment bonds.

# **Equipment**

NRC maintains a large variety of equipment and specialty tools readily available for deployment for emergency and remediation events. In many cases, our ability to mobilize our own equipment saves our clients time and money because we can organize quickly. Our equipment list is extensive with numerous specialty pieces, including:

- Prime Movers
- Utility Vehicles
- Personal Protective Equipment (PPE)
   Level A, B, and C
- Containment Booms
- Sorbent Materials
- Vacuum Trucks
- Frac Tanks
- Storage and Offloading Equipment
- Drums and Containers
- Earthmoving/Heavy Equipment
- ExcavatorsSkid Steers
- Bulldozers

- Fork Lifts
- Roll-off Containers
- Box Vans
- Payloader
- Pumps, Compressors, Generators, Hoses
- Equipment Trailers
- Spill Response Trailers
- Decontamination Trailers
- Geoprobe Units
- Response, Working, and Material Handling Boats





# **Permits & Licenses**

#### Alaska

- Interstate Commerce Commission Motor Carrier Permit MC-265094
- Hazardous Material Registration: 630005510071
- EPA Hazardous Waste Activity (Transporter): AKR000004184
- Canadian Custom Bond Number: 21 LT

#### **Arizona**

General Engineering Contractors License

#### California

- EPA Hazardous Waste Activity (Transporter): CAR000030114
- US DOT PHMSA Special Permit: DOT-SP 13179
- State Contractors License: General Engineering Contractor; Hazardous Substances Removal; Asbestos; Building Moving, Demolition
- Hazardous Materials Certificate of Registration
- Hazardous Waste Transporter Registration
- OSRO AMPD, MMPD, WCD1, 2 & 3
- T1 Annual Trench/Excavation

#### Connecticut

- Asbestos Contractor License
- Lead Abatement Contractor License
- Demolition Contractor License: 2056 Class B
- Hazardous Waste Transporter/Spill Clean-up Contractor
- Biomedical Waste Transporter
- Demolition Contractor License

### **Delaware**

- Hazardous Waste Transporter
- Solid Waste Transporter

#### Illinois

Hazardous Waste Transporter

#### Indiana

General Contractor License

### Massachusetts

- Asbestos Contractor License
- Hazardous Waste Transporter
- Explosives User Certificate
- Deleader Contractor License
- Lead Safe Renovation Contractor
- Aerodome Permit
- Certificate for Temporary Enclosures (Boston)
- OSRO AMPD, MMPD, WCD1, 2 & 3

### Maine

- Hazardous Waste Transporter
- Asbestos Abatement Contractor License
- Hazardous Waste & Waste Oil Transporter
- Non-Hazardous Waste Transporter
- Explosives User & Transporter Permit
- Fixed Explosives Storage Permit

### Maryland

- Hazardous Waste Transporter
- Oil Operations Permit
- Explosive Manufacturer's & Explosive Dealer's Licenses
- Explosive Blaster's Permit

### Michigan

- Hazardous Waste Transporter
- Liquid Industrial Waste Transporter

### Nevada

Hazardous Waste Transporter

### **New Hampshire**

- Hazardous Waste Transporter
- General Contractor License
- Asbestos Abatement Entity License
- Asbestos Disposal Site Contractor

#### **New Jersey**

- Asbestos Contractor License
- UST Installation/Closure License
- Hazardous and Solid Waste Transporter Permits
- Public Convenience & Necessity

### **New York**

- EPA Hazardous Materials Transporter ID Number: NYD986980753
- RSPA Hazardous Materials Certificate of Registration
- 6 NYCRR Part 364 Waste Transporter Permit
- Asbestos Handling License
- NYSTA Work Permit
- NYS DOT Highway Work Permit (State wide)

### **North Dakota**

State Contractors License

#### Ohio

Hazardous Waste Transporter

### Oregon

- General Engineering Contractors Hazardous and Remedial Actions
- Hazardous Materials Certificate of Registration
- Hazardous Waste Activity
- UST Decommissioning License / Heating Oil Tank (HOT)
- OR Department of Environmental Quality Soil Cleanup License
- OSRO AMPD, MMPD, WCD1, 2 & 3

### Pennsylvania

- Hazardous Waste Transporter
- Waste Transporter Safety Registration
- Asbestos Contractor License

### **Rhode Island**

- Asbestos Abatement Contractor License
- On-Site Water Treatment System (OWTS) Installer
- Hazardous Waste Transporter

### Vermont

- Waste Transporter
- Asbestos Abatement Entity License

### Virginia

Waste Transporter

### Washington

- State Contractors License: General Engineering Contractor / Hazardous and Remedial Actions
- Hazardous Materials Certificate of Registration
- Hazardous Waste Activity
- UST Decommissioning License / Licensed UST Service Provider
- OSRO AMPD, MMPD, WCD1, 2 & 3
- Washington Utilities & Transportation Commission ICC: CC-028307
- EPA Hazardous Waste Activity (Transporter): WAD05864647

### **USDOT Numbers**

NRC Alaska, LLC: 2059703

NRC East (NRC Environmental Services): 523880

NRC West (NRC Environmental Services Inc.): 502728

NRC Special Operations (Specialized Response Solutions): 987468

New England (ENPRO Services Inc.): 315266

# **Environmental**

# & Industrial Services



NRC has over 22 years of experience providing a diverse array of waste management, site remediation, and industrial cleaning services. Whether it be tailoring an operation to achieve waste minimization, containment of soil or groundwater contamination, or remediation of petroleum pipelines, NRC works closely with its clients to achieve their goals in a timely and cost-effective manner.

### Industrial

- Abatement & Decommissioning
- Asbestos, Lead & Mold Remediation
- Decontamination & Demolition
- Explosive Deslagging
- Industrial Cleaning
- Tank, Vault, and Pipe Cleaning/Removal
- Vacuum Transfer & Pumping
- Hydroblasting/Pressure Washing
- HVAC/Duct Management

### Marine

- Bilge Cleaning & Slops Removal
- Marine Related Project Support
- Containment Boom Installation, Maintenance & Cleaning

# Emergency Response

- Oil Spill Response
- HazMat Response
- High Hazard & Rail Response
- Fire Response & Rescue
- Response Equipment Packages

# **Waste Management**

- Analysis & Profiling
- Waste Consolidation
- Lab Packing
- Hazardous and Non-Hazardous Waste Recycling & Disposal
- Transportation & Disposal

# Remediation

- Soil and Groundwater Excavation & Removal
- In-Situ & Ex-Situ Remedial Systems
- Soil Stabilization & Bioremediation
- Sediment Remediation
- Wetland Mitigation
- Manufactured Gas Plant (MGP) Remediation
- Excavation Support Systems
- Geotechnical Services
- Capping & Containment













The most successful site remediation strategies are those that are developed with a clear goal in mind. Whether the objective is plume containment, clean closure aimed at limiting or eliminating future liability, regulatory compliance, or site redevelopment, NRC has experience implementing the right remedy.

- Facility Decommissioning/Demolition
- Remediation System Installation, Operation & Maintenance
- Remedial Construction Services
- In-Situ Remedial Technologies

### Soil and Groundwater Removal

NRC has extensive experience with remediating large volumes of contaminated soil from complex sites, including hundreds of soil excavation projects at site locations ranging from congested, residential areas to large industrial facilities. NRC personnel have significant experience in the following:

- Temporary odor control measures such as foams, enclosures, and structures equipped with air cleaning equipment to contain and treat fugitive emissions such as dust, volatile organic compounds (VOCs), and semi-volatile organic compounds (SVOCs).
- Excavation, identification, and characterization of buried drums, cylinders, and other unknown objects. In these cases, NRC routinely utilizes "surgical" excavation techniques to excavate from challenging environments.
- Complete containerized waste management including screening, sampling, profiling, manifesting, transportation and disposal of both hazardous and non-hazardous waste.

Remediation goals for contaminated sites are often driven by groundwater regulatory standards. NRC maintains a large fleet of water management equipment consisting of specialized pumps, tanks, treatment equipment and bulk transport equipment ranging from 2,800 gallons to over 9,000 gallons in capacity. This equipment and the skills to properly operate it, minimizes delays associated with the management and control of contaminated groundwater during remediation.



### **Former Manufactured Gas Plant Sites**

NRC has significant experience in remediating former Manufactured Gas Plant (MGP) sites. Typical MGP remedial actions include:

- Odor and vapor control measures
- Operation within temporary structures/enclosures
- Excavation support systems
- Large scale dewatering and treatment
- Soil dewatering and stabilization
- Subsurface utility abandonment and demolition

### **Wetland and Sediment Remediation**

NRC applies the latest technologies and proven techniques to provide the most effective solutions for sediment and wetland remediation / restoration projects.

Our experience with sediment remediation and wetland mitigation involves bypass pumping of active watercourses for extended periods of time, rebuilding, stabilization and realignment of riparian areas, dewatering and flow control of ponds and marshes through cofferdams and sheet pile walls, hydro excavation, mechanical dredging, sediment treatment, stabilization and restoration of habitat and

- Excavation / Off-site Disposal
- Pump & Treat Systems
- Groundwater Control
- Hydro Excavation
- Mechanical Dredging
- Sediment Stabilization / Treatment
- Bypass Pumping / Dewatering



### Soil and Groundwater Treatment

When project goals require in-situ treatment of contaminated media, NRC successfully implements remedial measures involving the treatment of soil and groundwater through both new installations and modifications to existing treatment systems. NRC has performed many innovative projects utilizing:

- Redox (Reduction/Oxidation)
- Soil Vapor Extraction
- Solidification/Stabilization
- Carbon Scrubbing

NRC provides soil solidification and stabilization applications, which reduce the mobility of hazardous substances and contaminants in the environment through both physical and chemical means. Solidification and stabilization techniques are used alone or combined with other treatment and disposal methods to yield a material suitable for land disposal or beneficial use. These techniques have been used as both final and interim remedial measures.

NRC provides mobile water treatment systems for routine. scheduled service applications as well as dispatching them on an emergency basis. Capacities range from 10 to approximately 500 gallons per minute and are available in a number of sizes and configurations. All systems are pre-assembled, self-contained, requiring minimal setup time upon mobilization and are available as trailer-mount, skid-mount or containerized.

NRC routinely fabricates and constructs integrated remediation systems configured to meet designed, site-specific cleanup criteria while satisfying air and/or water quality discharge standards. NRC's integrated remedial systems address all aspects of surface and subsurface contamination as it exists in groundwater and soil.

### **Chemical Stabilization**

Many non-organic contaminants in soils, like metals, can be stabilized into non-leachable material by adding various types of materials and/or chemicals. This treatment often reduces disposal costs significantly by changing the regulatory designation of the soil from hazardous to non-hazardous, significantly reducing the cost of off-site disposal or making onsite disposal in an engineered repository a potentially viable option.



In support of remedial construction services lines, NRC offers an impressive suite of geotechnical services. These services include the installation of slurry and reactive barrier walls, soil mixing and stabilization as well as a variety of excavation support services such as sheet piles, slide rail systems, timber wall and lagging structures.

### **Capping & Containment**

NRC has extensive experience with small and large scale capping and containment projects. These services range from simple containment systems to support staging and decontamination areas to full scale landfill closure.

- Cell construction and closure
- Remediation and closure
- Geo-textile lining
- SVE systems

# **Site/Civil Construction**

NRC routinely offers site/civil construction services as part of a full circle approach to remedial challenges. NRC routinely performs both on a standalone basis and as part of its environmental projects.

- Site grading
- Drainage
- Landfill construction & repair
- General site excavation
- Concrete flat work
- Retaining walls
- General site development
- Excavation support systems:
  - Soldier pile walls
  - Steel sheeting
  - Mechanical trench boxes



### **Decontamination & Demolition**

NRC performs selective and full scale demolition services for both scheduled and emergency situations. As many demolition projects require elements of decontamination and cleaning prior to demolition, NRC provides a full range of services including large scale, multidisciplinary facility decontamination services. Our demolition experience allows us to maximize the management of salvageable assets during demolition projects for the benefit of our clients.

Projects related to upgrading equipment or renovating production areas often require the removal of existing process equipment. Welded piping, stainless alloys, reactors, concrete structures, structural steel, pressure vessels and limited space require the skillful selection of demolition techniques such as cold and hot cutting including plasma arc cutting, mechanical disassembly and rigging.



# Asbestos, Lead, PCBs and Mold Remediation

NRC provides friable and non friable asbestos abatement services to both public and private sector clients for demolition and renovation projects. These services are performed by NRC's cross-trained staff and include projects involving asbestos removal/disposal as well as enclosure and encapsulation. Our specialist team of operatives, supervisors and managers are all trained by industry association specialists.

NRC also offers lead, PCB, and mold abatement services to support its industrial and asbestos service lines and often performs this work as part of general industrial maintenance and renovation projects. Our specialized abatement equipment includes:

- Smoke Generators
- Negative Pressure Units (NPUs)
- Power Assisted Respirators
- Hazardous Dust Vacuum Cleaners
- Wet Strip Injection Systems
- Decontamination Units



### **Industrial Cleaning & Maintenance**

NRC provides a complete line of on-site, industrial maintenance and cleaning services to our clients. NRC's fleet includes a full complement of industrial equipment including high conveyance vacuum trucks of several varieties as well as a fully trained staff to execute confined space entry operations.

NRC personnel are highly experienced in the handling of a wide array of liquid and solid waste, including fuels, acids, virgin and waste solvents, and various manufacturing chemicals. Through the use of innovative, state-of-the-art techniques, NRC has a proven track record of successfully managing potentially dangerous and/or costly on-site obstacles, including limited access, sensitive ongoing operations, excessive depth and structural integrity.

- Industrial system cleaning and purging
- Utility, duct and pipe cleanings via high pressure water jets
- Hydro-blasting
- Vacuum services
- Sludge removal and processing
- Tank cleanings
- Waste management, transportation and disposal
- Subsurface utility abandonment and demolition



"NRC Environmental Services was able to complete a very important project under extremely tight timeframes with an emphasis on cost effective solutions and safety. Highly recommended!" Mary Ellen Johns, Project Manager

Remedium Group, subsidiary of W.R. Grace



### **Explosive Deslagging**

NRC provides explosive deslagging services to the power and manufacturing industries. Our experienced blasters use strategically placed, precisely-sized charges to efficiently and safely remove slag, scale, and ash buildup in all sizes and ages of boilers, precipitators, economizers, as well as other areas where such buildup occurs. We also perform scheduled explosive cleanings to keep your plant running longer to make it through outages without breaking down.

We routinely perform industrial cleaning and explosive deslagging at our client's locations across the country. Our team's experience allows us to customize innovative and effective solutions, whether for planned maintenance or an unforeseen need. Every tool we use - including the latest explosive

technology and the most advanced blasting techniques – is directed at constantly improving results and on keeping your business operating efficiently and safely.

NRC maintains a Federal Explosives License (FEL) issued by ATF that permits the storage, use, and handling of explosives. Our staff hold state-issued Blaster Certifications in multiple states across the continental United States and Hawaii.

- Fly Ash Hoppers
- Lime Kiln Cleaning
- Precipitator Hoppers
- On-Line Boiler Deslagging
- Power Boiler Deslagging
- Recovery Boiler Cleaning
- Refractory Removal



# **Facility Decommissioning**

NRC personnel are trained to apply the latest technologies related to cleaning equipment and facilities and removing deposits of hazardous or regulated materials. Services may include: dismantling of equipment and process lines; demolition of on-site structures; clean room decontamination; recycling of scrap materials; salvage of resalable assets; closure report documentation; and complete waste characterization, transportation, and disposal services.

NRC provides abatement services for other regulated building materials such as lead based paint and coatings, PCB containing caulk and regulated gypsum products. Because these services are often part of decontamination and demolition projects they are often performed by NRC's cross-trained staff and in support of our industrial maintenance projects.

# **Pumping and Transfer**

NRC maintains a modern fleet of vacuum and tanker trucks, high capacity centrifugal and diaphragm pumps, hydraulic submersible pumps, hoses, and a variety of ancillary equipment to move virtually any pumpable material from one point to another. Specialized pumps for transferring chemicals and high viscosity fluids are also available. This equipment is used for tank product transfers, vessel lightering and ballasting, pond and lagoon dewatering, sump and tank dewatering, hazardous material spill transfers, and bypass transfers of process liquids in piping systems.

NRC's portfolio of high range specification vacuum transfer and pumping systems is fully certified for use in hazardous environments for the uplift and transportation of waste materials. Environmental benefits of our vacuum transfer systems include:

- Environmentally Sensitive and Safe
- Emission-compliant engines VOC/HEPA Emission Control
- Integral bunds
- Noise suppression and enhanced atmospheric protection
- HEPA filtration option to remove contaminants from expelled air during transfer operations





# **Hydroblasting / Pressure Washing**

NRC provides hydroblasting / pressure washing services to remove rust, scale, coatings, or contaminants from solid surfaces. This method is used to clean boiler tubes, tanks, concrete, sumps, machinery, vehicles, vessels and oil-coated rocks and beach from marine spills. For the implementation of these activities, our current equipment is capable of providing water pressure up to 40,000 pounds per square inch

# Tank, Vault & Pipe Cleaning and Removal

NRC's staff includes technicians who are certified above and below ground tank installers and pipefitters who are operator qualified (OQ) under 49 CFR 192 & 195. NRC can provide qualified personnel for the full range of tank services, including pumping residual materials, tank cleaning and decontamination, and tank removal and installation. NRC will also dispose of or treat excavated contaminated soil and will ensure that all activities are conducted according to state and federal regulations.

At NRC, our depth of knowledge of industrial cleaning is unsurpassed. Our permanent workforce is fully trained and skilled in the safe working practices associated with manned or non-manned confined space for tank and vessel cleaning. The use of specialized tank cleaning heads provides a remote cleaning solution and allows for tanks and vessels to be cleaned either remotely or with minimal man entry. We have a range of specialized cleaning heads which can be configured to meet the entry points of the specific tanks or vessels.



For all confined space tank and vessel cleaning, the preferred solution is a no-man entry. For this purpose, our range of vacuum transfer systems and pumping solutions can be engineered / configured to meet the specific scope of work and specific gravity of material requiring removal thus ensuring optimum performance is achieved. In the event of a man-entry requirement, our highly trained workforce specializes in all aspects of confined space entry and rescue. Equipped with an extensive range of breathing apparatus and gas monitoring equipment along with water-tight procedures and safe systems of work, we ensure that our clients' confined space working requirements are safely and efficiently carried out.

- Oil & Gas, Petrochemical, Power, Utilities, Distilleries, Marine
- Drain & Sewer Cleaning
- Storm Sewers and Piping Infrastructure
- Cargo Tanks, Mud Tanks, Ballast Tanks, Production Separators, Silos, Fuel Tanks, Ducts, Boilers and Septic Tanks

### **Operations & Maintenance (O&M)**

NRC's innovative approach to O&M services at both active and inactive facilities ensures our clients realize the most cost effective solutions. Throughout our operating area, we provide:

- System start-up/trouble shooting
- Routine sampling/analysis/monitoring and reporting
- Preventive maintenance
- Development and implementation of O&M Manuals
- Documentation/recordkeeping

- Material management and transfer
- Routine dewatering and water management
- Routine mechanical inspection
- Service of treatment systems and components



### **Water/Waste Water Treatment Facilities Services**

NRC's staff includes technicians and operators experienced in the water and wastewater treatment trades. NRC commonly provides improvement services at water treatment facilities and utility locations including:

- Demolition
- Clarifier cleaning
- Instrumentation and control
- Filter press operation
- Bench testing

- Polymer injection
- Pump station improvements
- Installation of large horsepower vertical turbine pumps associated with piping

# **Utility Installation**

The installation of new utilities often follows decontamination and demolition of former structures at remedial sites. In this regard, NRC offers a full range of utility installation services:

- Storm drainage
- Sewer and water piping
- Steam and condensate piping
- Pump stations and vaults

- Oil/water separators
- Leachate collection and conveyance systems
- Manhole services



### **Railroad Services**

From emergency response to planning, training and site remediation, NRC is uniquely positioned to help you and your organization prepare, respond and remediate for all of your rail needs.

Emergency Response	Derailments- oil and high hazard	<ul> <li>Biological and infectious response/blood borne pathogens (trespasser collisions)</li> </ul>
Support to Rail Response Operations	<ul> <li>Experienced and proven land/water cold weather response tactics and strategies</li> <li>SMT - Command Post Support</li> <li>ICS positions - Planning, Ops, Logistics, and Finance</li> </ul>	<ul> <li>Consultation on response, recovery &amp; remediation</li> <li>Field Supervisors</li> <li>Liaison with Stakeholders and Regulators</li> <li>Plan Writing</li> <li>Consulting and Training</li> </ul>
Remedial / Industrial	<ul> <li>Soil and groundwater removal/off-site disposal</li> <li>Groundwater pump and treat systems: installations and O&amp;M</li> </ul>	<ul> <li>Asbestos, lead based paint, mold abatement/removal</li> <li>Water treatment facility maintenance services</li> </ul>
Maintenance	<ul> <li>Rail yard services</li> <li>Track pan cleaning and coating</li> <li>Oil mitigation of track ballasts</li> <li>Debris sweeps and periodic yard cleanups</li> </ul>	THE MES
Waste Management, Transportation & Disposal	<ul> <li>Filter pick ups</li> <li>OWS cleaning, tank pump outs</li> <li>Carbon exchanges</li> <li>Treatment facility O&amp;M</li> <li>Drummed waste removal and disposal</li> <li>Profiling and manifesting services</li> </ul>	MATRICE DE LA CONTROL DE LA CO

NRC's experience in providing marine based environmental services dates back to the company's founding. While the initial foray focused on marine spill response, containment and cleanup services, the current offering of marine services has been greatly expanded to support market demand.

- Bilge Cleaning & Slops Removal
- Containment Boom Maintenance, Installation, and Cleaning
- Pre-Booming, Standby, and Dock Watch Services
- Line Handling
- Marine Related Project Support

Operating from waterfront settings, NRC owns an impressive inventory of work boats, barges, boom, floats, gangways, and other marine equipment assets. Our clients include major shipping companies, tug and barge operators, port authorities, and entities within both the Departments of Defense and Transportation.

The challenges of working in a marine environment are numerous, from basic safety elements associated with performing work tasks on a vessel to understanding the effect of maritime traffic, tide schedules, draft and weather on performance. NRC personnel are accomplished in navigating these nuances in order to deliver project services on time and on budget. Specific services provided by the Marine Services Group include oily water removal, tank cleaning, preventative booming, vessel tie ups, underwater salvage and crew boat operations.

**Bilge Cleaning & Slops Removal:** NRC is fully licensed and permitted to pump oil containing substances over the water in accordance with state and federal regulations using our specialized vacuum trucks, intrinsically safe tools and marine spill recovery equipment. Our expertise extends to setting up multiple pump conveyance systems in order to contend with long distances or high head requirements in removing the liquids from within vessel compartments.

**Marine Related Project Support:** NRC owns various size deck barges and work boats which are routinely to support or conduct marine related projects, including salvage and demolition operations, pier maintenance buoy and anchor placement and vessel assist related activities. The barges, boats and associated NRC manpower are capable of inland and open water service.

**Containment Boom Maintenance, Installation, and Cleaning:** NRC expertise includes working with a wide variety of sizes and materials of construction, which vary by application. We offer customized maintenance scheduling to assure products achieve their stated life cycle and meet their intended performance objectives. Boom related services generally fall into three categories; a) the sale of containment boom and anchoring hardware; b) furnishing boom on a short term rental basis for a specific one time or periodic requirement; and c) servicing client owned boom at locations which have a permanent or on-going long term need basis.

**Pre-Booming, Standby, and Dock Watch Services:** Increasingly stringent state environmental regulations mandate that companies engaged in the lightering or bunkering of persistent hydrocarbon products implement preventative measures to safeguard against an unauthorized release. NRC maintains one of the largest inventory of oil spill containment boom and field teams are available on a 24/7 basis to keep up with fluctuating schedules inherent with the marine cargo transportation business.

Line Handling: For those companies needing assistance in the tie up and release of mooring lines for incoming and outgoing ships, barges and vessels, NRC offers tie up services at customer docks.

### **WASTE MANAGEMENT**

NRC routinely assists its clients in the proper handling and disposal of industrial, universal, and hazardous waste. Our technical staff is well versed in DOT, EPA, and state regulations governing waste disposal and we maintain a working knowledge of the many treatment, recycling, and disposal facilities commercially available, their capabilities and waste acceptance criteria.

NRC's waste management services include on-site packaging, waste collection, transportation, disposal and training. We have direct experience in the handling of pesticides, solvents, acids, fuels and a vast array of other chemicals of concern generated from a diverse mix of industrial and high tech companies.

Waste disposal issues can often be resolved by tailoring elements of an operation to address minimization, recycling, and cost management objectives. NRC's experienced and highly trained personnel are able to help resolve these issues and respond at any time to hazardous and non-hazardous materials waste management requests from clients. NRC's waste management professionals possess an extensive working knowledge of all aspects of waste management allowing us to provide complete containerized waste management services to address the spectrum of the waste disposal process for both hazardous and non-hazardous waste.

NRC utilizes a computerized system for the preparation of all required forms and documents needed for waste shipments. This system also provides waste tracking and the actual preparation of EPA waste reports as well as a backup system to ensure accurate and timely computerized reporting. NRC's customers have access to this information, including the capability to order and print completed DOT and RCRA documentation right at the facility generating the waste.



- Waste Characterization, Screening, Sampling, Analysis, Profiling, Manifesting
- Waste Consolidation
- Lab Packing Services
- Hazardous Waste Recycling & Disposal
- Waste Transportation & Disposal
- Recycle/Reuse
- Slops Removal

# Transportation & Disposal

NRC is fully licensed and insured to transport hazardous waste and is able to accommodate the disposal needs of our clients by maintaining a wide range of transportation equipment for disposal, including bulk tank trailers, vacuum trailers, roll-off containers, end-dumps, and box vans/trailers.

NRC operates waste treatment and transfer and/or disposal facilities in the United States located in Alaska, California, New York, Vermont, and Maine. From these locations we collect, store, process, and package hundreds of regulated waste streams from private and public clients. This work depends heavily upon our ability to record, maintain, and track regulatory documents.

Our waste treatment and compliance professionals support NRC's field services and operations. Waste management work for major federal and utility clients often requires online portals for document storage and retrieval, which we provide through our company website.

Viking Facility - Anchorage, AK: Full scale waste treatment and recycling facility that handles the majority of non-hazardous and recyclable petroleum waste streams generated in Alaska, and is also a 10-day transfer facility for hazardous waste.

Butte County, CA: Household hazardous waste collection, storage, and processing.

*EVI - Williston, VT:* RCRA Part B, TSCA-certified Treatment, Storage and Disposal Facility (TSDF). Please see page 16 for more information.

EMI - South Portland, ME: RCRA Part B, TSCA-certified TSDF.

Colonie, NY: 10-day transfer facility.

Parker Street Facility - Newburyport, MA: Tank farm for temporary storage of gasoline/water mixtures.

### TREATMENT, STORAGE & DISPOSAL FACILITIES

EVI is a fully licensed, RCRA Part B, TSCA-certified, TSDF specializing in drum, lab pack and household hazardous waste transfer and consolidation. EVI is permitted to store up to 2,400 containers of hazardous waste for a maximum time of one year. All containers of hazardous waste are stored inside in chemically-resistant, concrete-coated bays.



Location: 54 Avenue D

Williston, VT 05495 (802) 860-1200

**US EPA ID:** VTR00517052 **TSDF Permit:** VTR00517052



### **Facility Description**

Start-up date: June 22, 2007
Property size: 1 acre
Facility size: 18,000 sq.ft.
Facility Manager: Jeff Baker

Compliance Manager: Andrew Johnson

• SIC code: 4953



### **Treatment, Storage and Disposal Capabilities**

- Indoor drum storage capacity: 2,353 drums (55-gal. equivalent)
- Permitted for liquids, solids, and gases
- Fully permitted for all D, F, U, P, K waste codes
- Bulking capabilities
- PCB storage permit
- Lab pack consolidation
- DEA-approved secure storage

### **Typical Waste Streams**

- Flammable, corrosive, toxic, reactive and oxidizers
- Lab packs
- Oils
- Organics and inorganics
- Pesticides
- Controlled substances
- Non-hazardous
- Universal and electronic waste
- Household hazardous waste



Location: 106 Main Street

South Portland, ME 04106

T: (207) 799-7377 F: (207) 799-5565 **US EPA ID:** MED019051069

TSDF Permit: O-000017-H1-J-R

O-000017-HR-J-R O-000017-97-G-R

EMI is a licensed RCRA Part B Facility specializing in the treatment of petroleum-contaminated liquids, 10-day transfer and consolidation of semi-solids and solid waste. EMI is permitted to store up to 150 containers of hazardous waste for a maximum time of 180 days. All containers of hazardous waste are stored inside in chemically-resistant, concrete-coated bays. EMI also has three, 15,000-gallon aboveground tanks for storage of liquid waste, and capacity for four roll-off containers for bulking and storage of solid and semi-solid waste.

Waste is received at EMI in both bulk loads and drums, upon which it is subjected to the facility Waste Analysis Plan.

### **EMI Facility consists of 6 distinct areas:**

- Tank storage and treatment area
- Unloading and loading area
- Hazardous waste storage/gasoline & water mixture storage
- Drum storage area
- 10-day hazardous waste transfer area
- Roll-off and box trailer storage area

### **Accepted Waste Streams**

- Waste oils, waste oil/water mixtures
- Virgin oils, virgin oil/water mixtures
- Waste oil contaminated media
- Virgin oil contaminated media
- Gasoline, gasoline/water mixturesGasoline contaminated media
- Non-hazardous wastewaters
- Non-hazardous remediation wastes
- Universal Wastes
- Metals-Bearing Wastes: D004, D005, D006, D007, D008, D010, D011
- Hazardous Wastes, including Labpacks, for 10-day Transfer



### NRC ALASKA RECYCLING & TREATMENT SERVICES

NRC Alaska owns and operates the most extensive and comprehensive fixed facilities for managing environmental projects in all of Alaska, and is unrivaled for facilities which can manage recovered spilled products, non-regulated wastes, and automotive fluids. NRC operates 10-day Hazardous Waste transfer facilities in Anchorage, Fairbanks, Palmer, and Kenai.



**Water Processing:** Petroleum contaminated waste waters, oily water from industrial cleaning activities or contaminated snow from spills in Southcentral and Northern Alaska areas can be processed at NRC's processing plant in Anchorage. Water is treated to meet the facilities Anchorage Waste Water & Utility (AWWU) industrial pre-treatment discharge permit. Once treated, it will be discharged to Municipality of Anchorage Publicly Owned Treatment Works (POTW).

In other areas of Alaska, NRC will use portable treatment systems to treat oily water from spills and contaminated snow. Pending regulatory agency approval, the treated water will be discharged to the local sewer system, or shipped off-site for disposal.

Off-site Treatment and Disposal: Oil Contaminated Soil. NRC will use field screening techniques and laboratory analyses to guide the removal of oil contaminated soil. Soil from cleanup sites that can be accessed by Alaska's rail belt or primary road system will be transported to permitted and authorized thermal treatment plants in Anchorage or North Pole for treatment. When logistics, regulations, or excessive cost preclude transporting oil contaminated soil, NRC will use available technology to treat the soil at the project site or ship the contaminated soil to approved landfills in the lower -48 states for disposal.

**Hazardous Waste:** NRC routinely ships hazardous and toxic waste to EPA approved Subtitle C and Subtitle D disposal facilities in the lower-48. All disposal facilities utilized by NRC are Department of Defense approved.

### Viking Facility - 2020 Viking Drive, Anchorage, Alaska 99501 AKR000004184

The Anchorage Viking facility is a fluids management operation which treats petroleum contaminated water (including benzene contaminated water (D018), used oil, and water contaminated fuels. The facility receives spent antifreeze for bulk storage in railcars for subsequent off-site transfer for recycling. There is an oil processing system at the site as well as a wastewater treatment system. The facility also operates a 10-day transfer facility for hazardous and non-hazardous wastes for waste streams it is not capable of treating. The facility also provides tanker cleaning services.

- Storage capacity of 200,000 liquid gallons
- Capable of receiving and processing 50,000 gallons/day of contaminated oil/water
- Permitted to process RCRA (benzene impacted) water under EPA discharge permit
- Ability to receive and process 25,000 gallons/day of petroleum fuels and oil
- Ability to process 20 cubic yards per day of oily debris and materials for solidification.
- BTU bearing liquids are recovered, reclaimed and recycled into Industrial Burner Fuels.
- Processing for Used Oil & Off Spec Fuel, Absorbents, Water, Sludge and Solids
- Glycol Collection
- Industrial Boiler Fuel Blending
- Rail Access
- Dedicated Tanker Cleaning Bay
- Universal Waste Handler & Hazardous Waste Transfer

### NRC Alaska Product Manufacturing, Distribution and Sales

NRC Alaska provides full service automotive fluids waste management from parts cleaners to coolants, with available processing or reuse of almost all automotive fluids waste. NRC Alaska offers special cleaning solvent blends, heavy-duty environmentally friendly Orange-Sol cleaners and detergents, and all sizes of solvent and aqueous based cabinet parts washers. NRC Alaska is a manufacturer of a comprehensive line of Windshield Washer Fluid, Diesel Exhaust Fluid (DEF), as well as Antifreeze/Coolant formulations for all types of vehicles, applications, and equipment. NRC Alaska is the state's premier recycler of Used Motor Oil, Glycols, and other petroleum based byproducts as well as offering oil filter collection & recycling services.



### **EMERGENCY RESPONSE**

NRC is a recognized leader in the provision of response services to Hazardous Material (HAZMAT) incidents from a diverse range of sources. In a discipline that requires the greatest attention to detail, the use of sophisticated equipment and the highest level of training and expertise, NRC has proven time and again its ability to respond promptly and effectively to all levels of hazardous material incidents.

Containment and collection of hazardous materials, disposal of the waste and sampling and analysis at the impacted site are all conducted by NRC under the strictest safety procedures and in close cooperation with our clients and local authorities.

- HAZMAT Incident Response, Management & Clean-up
- HAZMAT Exercise Design, Delivery & Evaluation
- Plan Development, Review & Management
- Gap Analysis & Preparedness Audits
- Risk Assessment & Facility Inspection

Our team of specialists is highly skilled in the planning, design, and engineering of spill response systems ranging from marine spills and decontamination to land based hazardous material spills. Our staff maintains readiness to respond to emergency spills of hazardous and non-hazardous materials in marine and land environments.

Many of NRC's decontamination and remediation activities result from response to an emergency situation by its experienced emergency response teams. A significant portion of our experience with emergency response is derived from being a prime response contractor for the United States Coast Guard, and for statewide standby contracts in New England, New York, Oregon, California, and Alaska.

- Transportation accidents involving chemical or petroleum substances
- Fires at chemical/industrial facilities and hazardous waste sites
- Transformer fires/explosions involving PCBs
- Rapid response and containment of contaminants
- Sampling for analytical testing and assessment
- Neutralization and treatment
- Collection & transportation of substances to appropriate treatment or disposal facility









NRC is dedicated to providing superior environmental services and ensures its clients are prepared for all eventualities, responding swiftly and effectively whenever and wherever emergencies occur. Our global emergency response activities are coordinated from a 24/7 International Center (IOC) based at our corporate Operations headquarters in Great River, New York.

The IOC provides experienced NRC Duty Officers on watch 24 hours a day, 365 days/year, who are knowledgeable of all NRC service areas and office locations and maintain current lists of rotational on-call personnel and contacts. The IOC is the nerve center of an operation, primary Command Center for the coordination of response activities, and the focal point for activation, documentation, tracking and mobilization of resources.

NRC'S DEDICATED EMERGENCY SPILL LINE 1-800-899-4672

# HIGH HAZARD & RAIL RESPONSE NRC SPECIAL OPERATIONS DIVISION

Based in Fort Worth, Texas, NRC's Special Operations Division (SRS) responds to specialty, high hazardous events including compressed gasses, firefighting, large ICS support, chlorine transfer, and TIH/PIH. *High Hazard services are available globally*.

SRS personnel maintain either paramedic or EMT certification as well as other certifications that exceed OSHA requirements. Through the association of specialized organizations, institutions, and advocacy groups, SRS personnel maintain current knowledge and skills and continue the lines of communication with other specialists in the industry. SRS is a member of the Chlorine Institute's CHLOREP Responders, an audited verification used to identify contractors with the knowledge and capabilities to respond to Chlorine and Vinyl Chloride incidents for the Chlorine Industry.

SRS has invested extensive resources to manufacture, modify and maintain a fleet of sophisticated equipment that distinguishes SRS from the rest of the industry. NRC takes great pride in the design, development, and fabrication of specialty tools and equipment for the emergency response business, including custom response trailers and vehicles, air monitoring/decontamination units, tractor trailer rigs, product specific transfer hoses, pumps, compressors, mobile command units, and specialized reactive/explosive material handling equipment.

### Emergency Response

- Train derailments and incidents
- In-plant explosions and releases
- Cylinder and bulk compressed gas emergencies
- Ship fires
- Over-the-road incidents
- Industrial firefighting
- Vapor suppression / flammable liquids
- Clandestine drug laboratories
- Class A and B poisons
- Response/management of transportation incidents involving hazardous materials
- Releases involving unknown chemicals, organic and biological compounds
- Investigation support, evidence preservation, and source identification
- High angle standby & rescue and permitted confined space standby & rescue

# Explosives / Weapons of Mass Destruction

- Identification, assessment, neutralization and/or destruction of reactive / explosive materials
- Weapons of Mass Destruction (WMD) identification, response, mass decontamination, protection, training, and evidence protection.

Several SRS members are involved with the International Association of Bomb Techs and Investigators, providing extraordinary capabilities in managing Weapons of Mass Destruction (WMD) events and drills, and access to a wide network of bomb techs throughout the U.S.

SRS's reactive/explosive incidents are managed by Certified Explosive Ordnance Specialist and executed by Certified Blasters.

### Specialized Training / Consultancy

- Comprehensive HAZWOPER Training
- Hazardous Emergency Communication Training
- Weapons of Mass Destruction (WMD) Training
- Permitted Confined Space and Entry Training
- Level I Rail Car Awareness Training
- Level II Rail Car First Responder Training
- Level III Rail Car Advanced High-Hazard Response Training
- Level I Ground Transportation Response Training
- Level II Ground Transportation First Responder Training
- Site Specific Bomb/Terrorist Threat Training
- Site Specific Explosive Awareness Training
- Fire Extinguisher Training

- Blood-Borne Pathogen Training
- First Aid/CPR/AED Training
- Weapons of Mass Destruction Emergency Hospital Decontamination
- Transportation Community Awareness & Emergency Response (TRANSCAER)
- 8 Hour Incident Command System
- 24 Hour Tactical HazMat
- 24 Hour EMS HazMat
- 24 Hour Chemical Firefighting and Foam Application
- 8 Hour Ethanol Firefighting Specific Course
- 8 Hour Hospital First Receiver

