



NRCES crews commence cleanup at the PRC Superfund site in Patterson, CA.

Introduction

NRC Environmental Services (NRCES) has provided emergency response, site remediation, contracting, and hazardous waste management services to both private and public sector clients since the 1980s. Today, the firm is recognized as the largest emergency response contractor on the West Coast, and over the past 20 years, has rapidly expanded its role as an environmental construction and remediation contractor for industrial clients and consulting firms. With five division offices throughout the West, a full time staff totaling more than 150, a standby pool of over 400 personnel, and annual revenues in excess of \$30 million, NRCES is consistently able to provide timely, responsible, safe, and cost effective services to a wide range of clients.

Primary services offered by NRCES include:

- ◆ Site Remediation
 - Facility Decontamination/Decommissioning/Demolition/Closure
 - Excavation and Soil/Water Removal
 - Underground Storage Tank/Aboveground Storage Tank Management
 - Remediation System Installation (Methane Barrier, Pump and Treat, Vapor Extraction)
- ◆ Emergency Spill Response
 - Comprehensive Oil Spill Removal Organization Compliance Support
 - Land-Based Hazardous Material Spill Response and Cleanup
 - Marine Oil Spill Response and Decontamination
- ◆ Waste Management Services
 - Waste Analysis, Profiling, Collection and Documentation
 - Waste Disposal and Transportation
 - Onsite Personnel Services
- ◆ Industrial Services
 - Tank Cleaning
 - Pumping and Transfer
 - Hydroblasting and Pressure Washing
- ◆ Training
 - Incident Command System (ICS) Applications
 - Classroom and Hands-on Spill Training
 - Federal and State HAZWOPER Training
 - Contingency Planning
 - Tailored Tabletop Drills and Deployment Exercises

Brief overviews of these business lines are described in more detail beginning on page 6. These overviews are followed by some of the key projects managed by NRCES in recent years, and finally, a representative list of some of the clients with whom NRCES has established relationships. Specific client references or resumes of key personnel are available upon request.

With strategically placed offices in Oregon, Washington, and California, NRCES is the only full service environmental contractor providing complete Pacific West Coast coverage, 24 hours a day – every day.

A listing of office locations and contact information is provided below.



San Francisco Bay Area
1605 Ferry Point
Alameda, CA 94501
Phone: (510) 749-1390
Fax: (510) 749-4150

Seattle
20500 Richmond Beach Dr.
Seattle, WA 98177
Phone: (206) 546-7150
Fax: (206) 546-7170

Sacramento
701 Galveston Street
W. Sacramento, CA 93307
Phone: (916) 371-7202
Fax: (916) 371-7910

Tacoma
300 Birch Street
Milton, WA 98354
Phone: (253) 896-0020
Fax: (253) 896-5055

Eureka
1090 W. Waterfront Drive
Eureka, CA 95501
Phone: (707) 441-0723
Fax: (707) 441-0743

Spokane
414 North Julia
Spokane, WA 99202
Phone: (509) 536-5960
Fax: (509) 536-5961

Long Beach/Los Angeles
Pier D, Berth D47
Long Beach, CA 90802
Phone: (562) 432-1304
Fax: (562) 432-1826

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

San Diego
1839 Water Street
San Diego, CA 92113
Phone: (619) 235-3320
Fax: (619) 232-4093

NRCES is a wholly owned subsidiary of the National Response Corporation, which is in turn a subsidiary of SEACOR Holdings, Inc. (NYSE: CKH). Other major companies in the SEACOR Holdings portfolio include those listed below.

- ◆ International Response Corporation
- ◆ The O'Brien's Group
- ◆ SEACOR Marine
- ◆ Tex-Air Helicopters
- ◆ SCF Marine
- ◆ Energy Logistics, Inc.
- ◆ Globe Wireless
- ◆ Strategic Dataworks, Ltd.





NRCES excavates contaminated soil and pipeline on the Alameda Corridor in Los Angeles, CA

The NRCES Team

As a former wholly owned subsidiary of Saltchuk Resources Company, NRCES' roots date back to the 1800's with the founding of Foss Maritime Company (FMC). Foss Environmental Services (FES) was established in 1982 as an operating arm of FMC to respond to inadvertent spills of petroleum products during fueling and cargo operations in Puget Sound. Over time the company broadened its capabilities, both in terms of geographical coverage, and in the array of services offered.

On October 31, 2003, FES was acquired as a wholly owned subsidiary of the National Response Corporation (NRC). This West Coast combination of FES and NRC, renamed as NRC Environmental Services (NRCES), brought together two of the strongest and most prominent organizations in the fields of marine oil spill response and environmental contracting. NRCES continues to provide the same outstanding services to its former FES clients, now with an expanded resource base, network of industry partnerships, and customer list.

The NRCES Team is comprised of project managers, construction professionals, and environmental strategists with varied backgrounds that are as diverse as the needs of our clients. We pride ourselves on employing professionals who specialize in the implementation of site-specific environmental and waste management solutions that are cost-effective, safe, and in compliance with Federal and state regulatory requirements.

Regulations that NRCES personnel are trained to adhere to include:

- ◆ Resource Conservation and Recovery Act
- ◆ Comprehensive Environmental Response, Compensation and Liability Act
- ◆ Toxic Substances Control Act
- ◆ Title 22
- ◆ U.S. Coast Guard
- ◆ California Department of Fish and Game
- ◆ U.S. Fish and Wildlife Service
- ◆ Department of Transportation 49 CFR
- ◆ And other requirements as applicable (e.g., CUPA, OSHA, DOT)

NRCES' in-house team of emergency response and environmental remediation and construction professionals includes: project managers, project superintendents, heavy equipment operators, cost estimators, and field personnel trained in both traditional and environmental construction methods (e.g., utility clearances, pipe removal and installation, shoring, treatment system installation, UST/AST removal and installation, methane barrier systems, operation and maintenance, groundwater monitoring and site restoration). With more than two decades of experience in the management and mitigation of environmental liability, the NRCES mission is to continue helping customers and clients operate responsibly, efficiently, and economically through the development of site-specific solutions that are risk-based, innovative, high-quality, and cost-effective.



An NRCES Level A PPE response at a container facility.

Health & Safety

Particularly in the areas of emergency response and construction, the issue of health and safety is paramount. The NRCES Health and Safety Program is stringent and carefully designed to ensure safety for all NRCES employees, the public, and the environment against potentially hazardous or harmful onsite incidents. The NRCES safety philosophy, “all accidents are avoidable”, embraces a goal of zero incidents. The NRCES Health and Safety Program mandates that all of our field employees are properly trained, and have the appropriate level of support to minimize the risk of accidents and injuries. Under the direction of a Corporate Health and Safety Director, NRCES programs are managed by qualified health and safety professionals with appropriate levels of training and certifications in their respective fields.

Licenses & Permits

NRCES maintains licenses, permits, and federal registrations required to respond to virtually any environmental services requirement. Major licenses and permits maintained for NRCES throughout the West Coast are identified in the table below.

License	Issuing Agency
CALIFORNIA	
General Engineering Contractors – Hazardous and Remedial Actions	California Contractors State License Board
Hazardous Materials Certificate of Registration	U.S. Department of Transportation
Hazardous Materials Transportation	Department of California Highway Patrol
Hazardous Waste Transporter Registration	Department of Toxic Substances Control
Hazardous Waste Activity	U.S. Environmental Protection Agency
Oil Spill Removal Organization (OSRO) - AMPD, MMPD, WCD1, 2 & 3	U.S. Coast Guard
T1 Annual Trench/Excavation	State of California
OREGON	
General Engineering Contractors – Hazardous & Remedial Actions	General Contractors License – OR
Hazardous Materials Certificate of Registration	U.S. Department of Transportation
Hazardous Waste Activity	U.S. Environmental Protection Agency
UST Decommissioning License	OR Department of Environmental Quality
OR Department of Environmental Quality Soil Cleanup License	OR Department of Environmental Quality
Oil Spill Removal Organization (OSRO) - AMPD, MMPD, WCD1, 2 & 3	U.S. Coast Guard
WASHINGTON	
General Engineering Contractors – Hazardous & Remedial Actions	General Contractors License – WA
Hazardous Materials Certificate of Registration	U.S. Department of Transportation
Hazardous Waste Activity	U.S. Environmental Protection Agency
Underground Storage Tank Provided License	Washington Dept. of Ecology
Oil Spill Removal Organization (OSRO) - AMPD, MMPD, WCD1, 2 & 3	U.S. Coast Guard



NRCES crews cleaning shoreline near Indianola, Washington.

Equipment

NRCES maintains a large variety of equipment for use in the field. In many cases, our ability to mobilize our own equipment saves our clients time and money because we can organize quickly. Thus, we are able to avoid pass-through costs from equipment rental agencies.

Our equipment list is extensive, with hundreds of items, including:

- ◆ Transportation and Communications Equipment
- ◆ Containment Booms and Vessels
- ◆ Skimmers and Vacuum Trucks
- ◆ Decontamination and Salvage Equipment
- ◆ Storage and Offloading Equipment

Insurance

NRCES maintains a comprehensive insurance program to insure its workers, equipment, automobiles, and clients from liability arising from its operations. NRCES enjoys an excellent relationship with highly-rated insurers, including those listed below.

- ◆ Steadfast Insurance Company (Pollution/E&O)
- ◆ Zurich American Insurance Company (CGL, Auto Liability)
- ◆ Signal/Casualty Insurance Company (W/C, USL&H, Employer's Liability)
- ◆ Marine Office of America Corporation (Hull/P&I)
- ◆ Navigator's Insurance Company (Excess)

In addition to Worker's Compensation, and Longshoremen and Harbor Worker's coverage in each state that NRCES performs service, we provide up to \$10 million per occurrence/aggregate coverage for:

- ◆ Employer's Liability
- ◆ General Liability
- ◆ Automobile Liability (including an MCS-90 endorsement)
- ◆ Protection and Indemnity coverage on its vessels
- ◆ Contractor's Pollution Liability/Errors & Omissions

Bonding

NRCES has partnered with ACE USA to provide comprehensive surety coverage for projects that require bid, performance, and payment bonds. This program provides bonding for approved projects up to \$5,000,000.



Site Remediation Services

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, NRCES has experience implementing the right remedy. The NRCES “turn-key” contracting capability truly means that NRCES is a “one-stop” contractor.



Before and after NRCES' cleanup of the Middle Waterway Area B Shoreline in Tacoma, Washington.

The following descriptions briefly highlight our wide range of expertise.

Facility Decontamination/Decommissioning

NRCES 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; laboratory packing; demolition of onsite structures; clean room decontamination; recycling of scrap materials; salvage of resalable assets and complete waste characterization, transportation and disposal services.

Excavation and Removal of Contaminated Materials

NRCES personnel are trained in the removal of a wide range of contaminated site materials, including hazardous and non-hazardous waste media. This expertise includes ancillary services typically associated with successful removal actions such as surgical excavation, dewatering, shoring, backfill, landscaping, and site restoration.

Remediation System Installation and Implementation

From trenching to installing piping, to providing specialists for installation of the electrical, mechanical, and plumbing components, to pouring the pad and constructing a site enclosure, our construction personnel can provide complete support for the installation of both soil and groundwater treatment systems.

Methane Mitigation

NRCES has completed several methane mitigation projects in the Southern California area. As available property for new construction is becoming a rarity, developers are constructing in areas that were previously not considered feasible, including properties adjacent to oil drilling operations, completed landfills, and other areas with naturally occurring methane. The installation of methane mitigation systems involves the use of a variety of construction and remediation disciplines, including civil construction, mechanical assembly, and electrical services. As these projects usually require a downtime between the installations of the separate components of the methane mitigation system, NRCES' flexibility in staffing and scheduling accommodates the issues that often arise from a start-stop project.



50,000 gallon UST removed by NRCES.

UST and AST Management

NRCES can provide qualified personnel for the full range of tank services, including pumping residual materials, tank cleaning and decontamination, and tank removal and installation. NRCES will also dispose of or treat contaminated soil recovered and will ensure that all activities are conducted according to state and Federal regulations.

Stabilization

Many non-organic contaminants in soils, such as metals, can be stabilized into non-leachable material by adding cementitious materials or treating the soil with polysilicate technology. This treatment often greatly reduces costs by converting the soil from a "regulated" to a "non-regulated" material. This either precludes the need for transportation and disposal at a regulated landfill or, brings the soils into compliance with RCRA requirements for land disposal.

Bioremediation

Petroleum contaminated soils may be remediated by the stimulation of naturally occurring organisms that degrade petroleum hydrocarbons. Bio-remediation may be conducted in a lined containment area where the soil is routinely tilled, sampled, and monitored for moisture, nutrient, and oxygen content. Enhanced bio-remediation is accomplished through the addition of imported organisms, biological stimulants, and surfactants.

Recent Project Experience

- ◆ Completed excavation of contaminated sediments, capping, and restoration of a 650 section of shoreline on the Middle Waterway in Tacoma, Washington.
- ◆ Managed the removal of two 50,000-gallon fuel tanks at a chemical manufacturing facility in Santa Ana, California.
- ◆ Managed the operation, maintenance, expansion, and final closure of the Bunker Hill, Idaho Superfund Site Borrow Area Remedial Landfill.
- ◆ Installed over 8,000 L.F. of HDPE pipe for a groundwater treatment system in Carson, California.
- ◆ Installed in excess of several million dollars of methane mitigation piping, HDPE liner, sensors and alarms for real estate developers and general contractors in southern California.
- ◆ Provided shoreline remediation, shoreline restoration, and containment cell construction for the Wyckoff/Eagle Harbor Superfund Site near Bainbridge Island, Washington.
- ◆ Demolished and replaced 1800 feet of twenty four inch diameter steel #6 fuel oil pipeline at NRG Cabrillo power plant in Encino, California.



NRCES personnel respond to a marine oil spill caused by the sinking of a tugboat

Emergency Spill Response (Marine & Land)

For more than two decades, NRCES personnel have provided emergency spill response services throughout the West Coast. 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.

NRCES takes pride in our average response time of two hours to virtually anywhere in the West Coast. Our staff of more than 150 full time personnel and over 400 standby employees maintains readiness to respond to emergency spills of hazardous and non-hazardous materials in marine and land environments.

Marine Oil Spill Response and Decontamination Services

As an approved contractor in California, Oregon, and Washington, NRC holds the highest USCG classification as an MMPD/W1-3 OSRO for meeting Federal Oil Pollution Act of 1990 requirements in the Inland and Rivers/Canal settings. With FES's recent acquisition by NRC, rated capabilities for facilities now extend into Offshore and Nearshore locations for W2 and W3 response classifications in Puget Sound and other locations. NRCES is also rated as a primary response contractor by the State of California, Department of Fish and Game, and the Washington Department of Ecology.

To react to spills in a marine environment, NRCES maintains a fleet of vessels in Long Beach, San Diego, San Francisco, Puget Sound, Grays Harbor, and the Columbia River. These vessels are equipped to respond to near-shore, harbor, or beach spills and are manned by trained personnel who use a variety of skimmers, containment booms, sorbent materials, and support equipment to manage cleanup activities.

NRCES has earned a reputation as industry experts in oil and chemical spill response equipment and decontamination services. Within hours of a spill, NRCES personnel can establish a full-service decontamination site where vessels and equipment are cleaned and readied for redeployment and demobilization. Additional remote or mobile decontamination sites are established on an as needed basis for cleaning docks, vessels, infrastructure, and equipment.

Trauma Scene Waste Management Services

NRCES personnel are certified as trauma scene waste management practitioners and have responded to hundreds of bio-hazardous waste incidents.



NRCES personnel cleaned up an abandoned apartment building being used as a drug house



NRCES technicians drill holes in a gasoline tanker at an accident scene near Ferndale, Washington.

Land Hazardous Materials Spill Response and Clean-up

NRCES personnel and equipment remain on standby 24 hours a day – every day – throughout the West Coast. Additionally, all standby personnel are trained in chemical response, health and safety, hazardous waste operation, and in the appropriate procedures for the proper use of personal protective equipment levels D through A.

The first task in a response action is to contain the spill to minimize environmental contamination and ensure health and safety. The hazardous materials are then collected and packaged for disposal with follow-up sampling and analysis conducted as required to verify the cleanup. At all times, NRCES personnel cooperate closely with local, state, and Federal agencies.

Since the 1980's, NRCES has responded to more than 5,000 spills ranging from leaking drums to highway accidents involving regulated or dangerous materials. Most recently, NRCES has expanded our services to include response actions for trauma scene waste management.

Recent Project Experience

Recent emergency response actions managed by NRCES personnel are highlighted below.

- ◆ Provided spill management and response services to NRCES Maritime Company for a black oil spill at the Chevron NW Asphalt Point Wells terminal in Seattle, Washington.
- ◆ Responded with multiple Level B personal protective gear teams to a hazardous materials incident involving aminoethylpiperazine at a Port of Tacoma, Washington container terminal after workers were overcome by airborne contaminants from an intermodal bulk container.
- ◆ Responded with Level A personal protective gear to a 24-hour closure on a southern California interstate highway. The response was prompted by an overturned semi that was transporting hydrofluoric acid.
- ◆ Conducted emergency responses and remediation to at least six major Puget Sound, Washington area tank transporter fire or rollover incidents in 2002 and 2003.
- ◆ Managed response activities related to a major oil spill in the Santa Paula Creek, California. A crude oil tank truck crashing into a ditch and releasing its contents into the creek bed precipitated the situation. NRCES personnel responded to the spill within one hour.
- ◆ Mobilized a 115 person project team for a forty-five day cleanup of polluted shoreline and waterway in Eureka, California. The work was performed in response to release of 4400 gallons of petroleum product from the vessel Kure during fueling operations at a pulp mill.

Waste Management Services



NRCES collecting drums during quarterly waste pickup service.

NRCES 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. Furthermore, we own and operate one of the largest fleet of transportation equipment in the western United States.

As a company standard, each of our offices is dedicated to providing an exceptional level of performance, customer service, safety and regulatory compliance. Our customers recognize this commitment and work closely with NRCES technical staff to develop customized solutions for their on-going waste management needs. This collaboration establishes a mutual understanding of priorities and objectives with respect to costs savings, regulatory compliance and long-term liability.

NRCES' waste management services include onsite 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.

Onsite Services

NRCES offers a variety of services related to onsite management of hazardous materials and waste. These services are tailored to match the specific requirements of waste generators, and vary in scope and complexity. Typical programs include chemical transfers for relocating labs and other facilities, onsite waste handling, consolidation, and packaging, and waste characterization assistance, which entails sampling, laboratory analysis and proper waste profiling.

Waste Collection and Documentation

In addition to characterizing and packaging onsite waste, NRCES personnel are also adept at designing programs for the collection of regulated wastes on a quarterly or other scheduled basis. This service includes the completion of all shipping documentation, collection of waste inventory from generating sites and ultimate disposal at the designated facility.

Waste Disposal Services

NRCES believes that we provide the most cost-effective, environmentally sound disposal services in our industry. We accomplish this through the careful selection of, and ultimate negotiations with, a network of over 70 recycling, treatment and disposal facilities throughout the United States. Each of these facilities is carefully researched by NRCES for its technical capabilities, permits, insurance and operational and safety performance prior to being incorporated into our program.



NRCES fleet of transportation vehicles in Alameda, California.

Transportation Services

NRCES 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.

Training Services

In addition to the actual implementation of the hazardous waste management services, NRCES also provides hazardous waste management training to clients and their staff. Our training program addresses both proper waste management practices as well as regulatory compliance standards.

Recent Project Experience

Recent projects managed by NRCES personnel in this area are described below.

- ◆ Sampled and analyzed PCB oil from twelve large transformers, and associated equipment at a former ore mine in California. The equipment was ultimately loaded on to a truck and transported to a permitted TSDF for dismantling and recycling.
- ◆ Provided storage, transportation, and disposal services for over 800,000 gallons of contaminated bilge water for the Puget Sound Naval Shipyard in Bremerton, Washington.
- ◆ Manage hazardous, industrial, and universal waste streams generated at 28 water and municipal wastewater facilities for major municipality in Northern California.
- ◆ Manage hazardous, industrial, and universal waste streams at common carrier trucking and roll-on/roll-off marine transportation terminals in Washington, Oregon, and California.
- ◆ Provide industrial and hazardous waste management services for wireless communications giant Qualcomm, Inc., covering 42 separate locations in California.
- ◆ Perform bi-weekly vacuum truck transportation and disposal of process wastewater from an international pigment manufacturer.
- ◆ Executed the characterization, profiling, packaging and disposal of mercury bearing instruments, PCB capacitors, freon refrigerants and synthetic oils from Navy vessel Oklahoma City during its removal from military service.
- ◆ Hold three year IDIQ contract with USDA Forest Service for hazardous materials management services at 18 national forests within Pacific Southwest Region.



NRCES personnel remove carbon residue from a beverage manufacturing facility in Southern CA.

Industrial Services

The NRCES Industrial Services Group assists customers in the efforts to remove regulated materials from specific facilities and/ or equipment. Clean facilities and equipment greatly simplifies maintenance activities, process upgrades, reconstruction activities, and restoration of storage capacity.

NRCES personnel are highly experienced in the handling of a wide array of liquid and solid waste, including: gasoline, diesel, waste acids, virgin and waste solvents, and various manufacturing chemicals. Through the use of innovative, state-of-the-art techniques, NRCES also has a proven track record of successfully managing potentially dangerous and/ or costly onsite obstacles, including: limited access, sensitive ongoing operations, excessive depth and structural integrity. Additionally, always conscious of liability issues, NRCES is diligent in their efforts to select appropriate and licensed transportation, treatment and disposal companies for long-term management of the materials.

Specific services provided by the Industrial Services Group include: tank cleaning, pumping and transfer, hydro-blasting, and pressure washing. Brief descriptions of these services are provided below.

Tank Cleaning

NRCES provides both equipment and trained technical personnel who are experienced with both marine and land-based tanks containing petroleum and other regulated materials. Marine tank experience includes: petroleum barges, vessel fuel tanks, bilges, and machinery compartments. On land, NRCES has cleaned rail tank cars, aboveground and underground storage tanks, separator tanks, clarifiers, waste oil tanks and process tanks. Cleaning methods used by NRCES personnel include: hydroblasting, chipping, solids and sludge removal, Butterworth nozzle washing, chemical extraction, heating and recirculation.

Pumping and Transfer

NRCES 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 has been 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.

Hydroblasting/Pressure Washing

NRCES 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 20,000 pounds per square inch.



NRCES personnel engaged in turnaround activity at a Northern California steel mill.

Recent Project Experience

- ◆ Implemented annual maintenance of storm drain system at biotech manufacturing facility by hydro-jetting/ vactoring 200+ inlets prior to rainy season.
- ◆ Cleaned over 30 process tanks and processed nearly one hundred thousand gallons of tank sludge for disposal for a turpentine refining facility closure.
- ◆ Decontaminated two stainless steel mixing vessels of chemical deposits using dry ice pellet blasting technology.
- ◆ Providing facility tank cleaning services for both calcium chloride and caustic soda process and storage tanks at a large chemical facility.
- ◆ Completed annual maintenance turnaround services at steel manufacturing plant. Work tasks consisted of cleaning cooling towers and underlying sumps, pumping and disposal of sludge from compressor room vaults, and removing caustic sludge build up from production equipment.
- ◆ Cleaned Bunker "C" fuel residual from 22 holds on Navy vessel "Hugh Gaffey" using Supermac brand tank cleaning equipment. This approach offers the benefits of heat transfer/hydro-blasting/oil separation in a single process and technology.
- ◆ Transferred one million gallons of D018 tank bottom sludge from four waste oil tanks to railcars during closure of TSDf operation.
- ◆ Removed phenolic and formaldehyde resin sludge from a series of production tanks for a private chemical manufacturer in Northern California. Process waste was vacuumed into supersuckers and transferred onsite to a concrete drying vault





NRCES response and salvage operations in progress after the Seattle Yacht Club Fire.

Representative Clients

Over the years, NRCES has worked hard to develop a diverse customer base. We believe the size and variety of companies comprising our client base says a great deal about our capabilities, professionalism and ability to serve a broad range of needs. NRC and NRCES have approximately 450 worldwide clients, including contracts with several state administrative entities and with the USCG. We

provide oil spill removal coverage to thousands of tank and non-tank marine vessels and barges. We also cover approximately 190 assorted facilities, refineries and pipelines, and bulk petroleum storage facilities.

A representative list of current clients, organized by market sector, is included as a testament to our ability to consistently perform at a very high level.

◆ ENGINEERING FIRMS

Anchor Environmental
ATC Associates
CH2M Hill
Clayton Group Services
ENSR
Haley & Aldrich
Kleinfelder
LFR Levine Fricke
URS Corporation

◆ MUNICIPALITIES

County of Los Angeles (Water & Power, Public Works, Fire, Sanitation)
East Bay MUD
Orange County Fire Authority
Port of Los Angeles, Long Beach, Oakland, & San Diego

◆ STATE & FEDERAL GOVERNMENT

WA Department of Ecology
OR Dept. of Environmental Quality
U.S. Bureau of Land Management
U.S. Coast Guard
U.S. Fish & Wildlife Service
U.S. Navy

◆ TRANSPORTATION

Alaska Airlines
BNSF Railroad
Bulk Transportation
Coastal Transport Co.
Union Pacific Railroad
USF Bestway

◆ OIL AND GAS

ST Services
BP/ARCO
Chevron Pipeline
Exxon/Mobil
Kinder Morgan
ShellTexaco
Texaco
ConocoPhillips
Tesoro

◆ INDUSTRIAL

Boeing
Henkel
LA Chemical
NUMMI
W.R. Grace
Zeneca Ag Products

◆ POWER

Cabrillo Power
Duke Energy
PG&E
SEMPRA
Southern California Edison
Bonneville Power Administration

◆ MARITIME

APL
Crowley Marine
Foss Maritime Company
Inchcape Shipping Services
Maersk Sealand
Matson Navigation