SEALAND ENVIRO

CAPABILITIES STATEMENT

SEALAND ENVIRO LLC | PUTNAM, CT 06260 | PHONE 860.928.0735 | sealandenviro.com

SEALAND ENVIRO

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Sealand Enviro is a national environmental services company providing management and construction services for the restoration of sites contaminated by hazardous, toxic and low-level radioactive waste. We provide a comprehensive range of services for site remediation, restoration and environmental response. Sealand Enviro is headquartered in Putnam Connecticut and is owned by Sealand Enviro management. Our customers include large industrial and real-estate companies, Federal and state agencies, and leading engineering and design firms. We are committed to assisting in the restoration of our natural environment and the protection of human health and safety.

OUR SERVICES

Sealand Enviro provides its management and construction services as a prime contractor or team participant on large scale and complex assignments involving the remediation and restoration of sites contaminated by hazardous, toxic or low-level radioactive waste. Our assignments range from Superfund, and Federal property restoration to large scale Brownfield redevelopment. Our projects may include some of the following remediation and restoration services. We do not own or license environmental technologies allowing us to select the most appropriate and cost effective solution for each specific project. Sealand Enviro qualifies as a small business under the Company's primary Federal NAICS code 562910 — Environmental Remediation Services (500 employees).

AREAS OF SPECIALIZATION

- Remedial construction and site closure
- Decontamination and decommissioning
- Demolition and beneficial reuse
- In situ and ex situ soil treatment
- Thermal desorption
- Soil vapor extraction
- Stabilization and fixation
- Contaminant containment
- Slurry walls and landfill capping
- Contaminated sediment dredging and handling
- Groundwater recovery and treatment
- Transportation and disposal of HTRW
- Volume reduction of LLRW
- Ecological restoration
- Natural disaster response
- Lead and PCB abatement
- Salvage and asset recovery

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ENVIRONMENTAL, HEALTH SAFETY (EHS) POLICY

Sealand Enviro is a prime environmental contractor providing services on large scale and complex assignments involving the restoration of sites contaminated by hazardous, toxic and low-level radioactive waste. Due to the nature of our work, protection of human health, safety and the environment is of utmost importance. Our commitment to these goals includes the following:

- **We work toward a goal of zero employee injuries and occupational illness.**
- **All levels of leadership are accountable for implementing our EHS Policy.**
- **All employees are accountable for following safe work practices and procedures.**
- **We comply with all applicable EHS laws and regulations that apply to our work.**
- **We provide workplace policies, procedures, training and equipment to all employees.**
- **We track and report performance against our EHS standards and seek opportunities to improve upon our EHS program at all times.**
- **We work to ensure the health and safety of our subcontractors in our shared work environment.**
- **We work to lessen the environmental impact of our operations and incorporate sustainability in all business areas.**

Our commitment to EHS is unwavering. We evaluate our procedures and operations on a quarterly basis and incorporate improvements where appropriate. We will always work to continually improve upon our EHS policies and procedures.

Brian L. Mackenzie, 2011
President/CEO, Sealand Enviro

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 5/5/2015

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER The Watts Group, LLC. 65 La Salle Road Suite 209 West Hartford CT 06107	**CONTACT NAME:** Melissa J Morse **PHONE (A/C, No, Ext):** (860) 231-7250 x4 **FAX (A/C, No):** (860) 231-7240 **E-MAIL ADDRESS:** mmorse@thewattsgrp.com
	INSURER(S) AFFORDING COVERAGE / **NAIC #**
	INSURER A : Nautilus Insurance Company — 17370
INSURED Sealand Enviro, LLC. 58 Pomfret Street Putnam CT 06260	INSURER B : Travelers Indemnity Co. of Amer. — 25666 INSURER C : Great Divide Insurance Company — 25224 INSURER D : INSURER E : INSURER F :

COVERAGES **CERTIFICATE NUMBER:** Cert ID 820 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY						EACH OCCURRENCE	$ 1,000,000
	[ ] CLAIMS-MADE [X] OCCUR			ECP01534589	8/15/2014	8/15/2015	DAMAGE TO RENTED PREMISES (Ea occurrence)	$ 50,000
	X Professional Liab						MED EXP (Any one person)	$ 5,000
	X Contr Pollution Liab						PERSONAL & ADV INJURY	$ 1,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$ 2,000,000
	[ ] POLICY [X] PRO-JECT [ ] LOC						PRODUCTS - COMP/OP AGG	$ 2,000,000
	[ ] OTHER:						PL/CPL	$ 1,000,000
B	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	$ 1,000,000
	X ANY AUTO			810-6F649123	4/1/2015	4/1/2016	BODILY INJURY (Per person)	$
	[ ] ALL OWNED AUTOS [ ] SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	[ ] HIRED AUTOS [ ] NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident)	$
	X comp & coll $1000 deds X Ex Hvy/Trac $2000 deds						UM/UIM	$ 1,000,000
A	[ ] UMBRELLA LIAB [X] OCCUR			FFX1535463	8/15/2014	8/15/2015	EACH OCCURRENCE	$ 10,000,000
	X EXCESS LIAB [ ] CLAIMS-MADE						AGGREGATE	$ 10,000,000
	X DED X RETENTION $ 10,000						incl PL/CPL	$ 10,000,000
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y / N: N	N / A	WCA1547405	4/1/2015	4/1/2016	X PER STATUTE [ ] OTH-ER	
							E.L. EACH ACCIDENT	$ 1,000,000
							E.L. DISEASE - EA EMPLOYEE	$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Evidence of Insurance ONLY

CERTIFICATE HOLDER

Master

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Melissa J Morse

SEALAND ENVIRO

PROJECTS

Sealand Enviro is an accomplished environmental remediation contractor. We have completed complex restoration projects for government agencies and private sector clients nationwide. Our projects are performed in compliance with CERCLA, RCRA, SARA, HSWA, TSCA, CWA, CAA and other Federal and state regulations.

FEATURED PROJECTS

ENVIRONMENT

NYSDEC Former Paulsen Holbrook Site, NY
Under contract to the NYSDEC Sealand Enviro remediated the former wood treatment site utilizing in-situ groundwater and soil treatment technologies.

ENERGY

O'Connell Energy Group, Mansfield Hollow, CT
Under contract to O'Connell's Energy Group, Sealand Enviro constructed a 500 KW – Hydroelectric Project adjacent to the U.S. Army Corps of Engineers – Mansfield Hollow Dam.

FEDERAL

Small Business Teaming, Fort Peck, MT
Provided heavy civil construction services on this challenging project at FT Peck in the remote northeast corner of Montana.

SUPERFUND

Montclair West Orange and Glen Ridge Radium Sites, NJ, Excavation and disposal of 100,000 CY of low-level radioactive waste.

Salem Acres Superfund Site, MA
Remediation of 100,000 CY of hazardous sludge and soils from onsite lagoons.

McGillis & Gibbs Superfund Site, MN
Remediation of old pole wood treatment facility of hazardous waste.

North Lawrence Superfund Site, MA
Remediation of heavy metal contamination by stabilization/solidification and construction of onsite storage cell.

Li Tungsten Superfund Site, NY
Remediation of radioactive tungsten ore and debris from 26 acre site.

Sayerville Landfill Superfund Site, NJ
Remediation including removal of hundreds of 55 gallon drums of RCRA TSCA materials and construction of landfill containment cap.

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BROWNFIELD

Worcester Medical City Site, MA
Remediation of 42 commercial and industrial properties on 25 acres resulting in model brownfields redevelopment.

Waterbury Scovill Brass Industrial Facility, CT
Remediation of 96 acre site including 150,000 CY of contaminated soils and onsite treatment.

Natick RUST Program, MA
Pilot residential underground storage tank removal and remediation project at 500 home sites.

FEDERAL, STATE & MUNICIPAL

DOD Loring Air Force Base, ME
Remediation of various operable units on 9,000 acre site over four year period as part of base closure.

DOD Fort Bliss Oil Pits, TX
Remediation of 30,000 CY of oil and pesticide contaminated soils using a transportable direct fired thermal desorption unit.

Airport Remediation, NY & NJ
Remediation of contaminated sites at LaGuardia, Kennedy and Newark airports including emergency response services.

DOE Brookhaven National Labs, NY
Excavation and onsite landfill capping of low-level radioactive waste.

Groundwater Removal and Treatment System, North Carver, MA Groundwater VOC remediation system for MA DEP.

Emergency Response TWA Flight 843, JFK International, NY Emergency response and remedial activities.

SEALAND ENVIRO

PROJECT

NYSDEC Former Paulsen Holbrook Site

Albany County, New York

Under contract to the NYSDEC Sealand Enviro remediated the former wood treatment site utilizing in-situ groundwater and soil treatment technologies. The source area of chromated copper arsenate (CCA) resulted from a 3,000 gallon spill of the CCA in 1965. The selected remedy included groundwater injection of EHC-M reagent for heavy metals at 135 injection points and In-Situ Stabilization/Solidification of contaminated soils utilizing a portland slag cement. Pilot tests were performed for groundwater and soil prior to the successful full scale remedial activities. The project was designed and overseen by ARCADIS.

FEATURES

- Remediation of chromated copper arsenate (CCA) former wood treatment site
- Implementation of community air monitoring program (CAMP)
- Removal of contaminated surface soils to two foot depth and restoration
- Treatment of groundwater by injection of EHC reagent for heavy metals
- Treatment of source area soils by In Situ Stabilization (ISS) utilizing rotating dual axis blending technology
- All activities performed under Level C

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PROJECT

Mansfield Hollow Hydro

Mansfield, Connecticut

Under contract to O'Connell's Energy Group, Sealand Enviro constructed a 500 KW – Hydroelectric Project adjacent to the U.S. Army Corps of Engineers – Mansfield Hollow Dam which lies on the confluence of the Natchaug, Fenton and Mt. Hope rivers in Mansfield, Connecticut. Sealand Enviro substantially completed this project within an accelerated 6-month schedule and ahead of the target completion date – December 2013.

FEATURES

- Construction of (2) temporary coffer dams within the Natchaug River
- 24-Hour Dewatering, pumping and filtration of excavation limits within the Natchaug River
- Drilling. Blasting, pinning and grouting of bedrock adjacent to historical stone masonry dam
- On-site crushing and processing of gravel and riprap materials
- CIP Concrete Intake Structure construction within Natchaug River
- Installation and anchoring – 310 lineal feet of 8.5-foot diameter CCFRPM – Penstock pipe including 18-Degree bend with CIP concrete thrust block
- CIP Concrete Turbine Building construction with wood framed structure within Natchaug River
- Fabrication and installation of (5) 100 KW turbines and draft tube appurtenances
- Fabrication and installation of galvanized steel beams, girders, grating, trash racks and head-gates
- Construction of electrical interconnect including installation of underground utilities, transformers and electrical generation equipment

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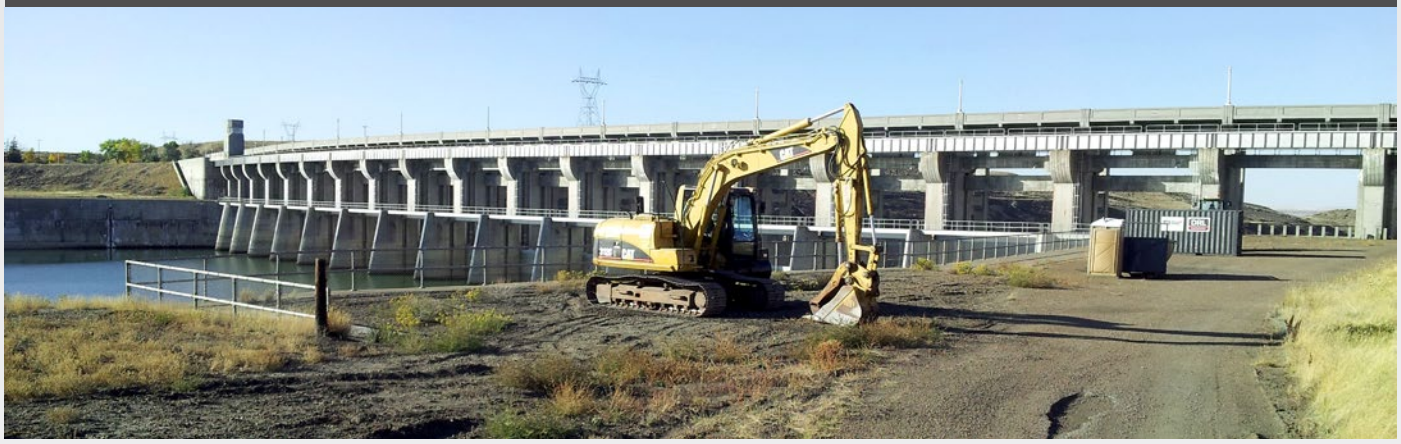

PROJECT

Fort Peck – Spillway and Support Structure

Fort Peck, Montana

Sealand Enviro provided key subcontractor services on this heavy civil project for the U.S. Army Corps of Engineers. Working with the USACE, Sealand Enviro completed repairs to the spillway sub-drainage and storm drainage piping. The Fort Peck Dam, built in 1940, lies on the confluence of the Missouri River and creates the fifth largest man-made lake in the United States – Fort Peck Lake.

FEATURES

- Design and installation of excavation support systems (76) locations on east and west spillway access roads
- Excavation and removal of existing vitrified clay pipe embedded within the concrete spillway wall
- Video inspection of existing vitrified clay pipe from top of concrete spillway wall to the centerline of the spillway floor
- Repair and replace existing vitrified clay pipe with new PVC pipe and extend to finish grade of existing access roads
- Construction of concrete catch basin substructures along spillway access road
- Excavation and installation of HDPE culvert piping adjacent to concrete spillway wall
- Pulverization, grading and compacting existing asphalt road – Flat Lake road (4,400 LF)
- Placement of new hot mix asphalt road – Flat Lake Road (4,400 LF)

SEALAND ENVIRO

PROJECT

Montclair Glen Ridge Radium Sites

Montclair, New Jersey

The Montclair/Glenn Ridge Radium Sites in Essex County New Jersey were contaminated in the early 1900s by a nearby factory that manufactured luminescent watch dials. Sealand Enviro was contracted by the US Army Corps of Engineers to provide site remediation services of the five-acre Barrows Field Site, a contaminated ball field in the middle of a residential neighborhood. Sealand Enviro provided environmental engineering, design and remediation services to remove the radium contaminated soil and restore the site as a neighborhood ball field. Approximately 100,000 cubic yards of radium-contaminated soil were removed and transported by rail to Energy Solutions in Clive Utah. In addition to the successful completion of the remedial action, Sealand Enviro provided value-engineering services to the U.S. EPA, regarding volume reduction of the contaminated material. In addition to completion of the scope of work, and the final environmental sampling and characterization of the site, Sealand Enviro played an integral role in public relations and community outreach. Our health physics field technicians monitored the site perimeter and provided weekly updates to the citizen groups involved in the cleanup.

FEATURES

- Low level radioactive waste remediation
- Disposal of 100,000 cubic yards
- Transportation via rail to Energy Solutions Clive Utah
- Sheeting and dewatering
- Value engineering cost proposal for volume reduction

SEALAND ENVIRO

PROJECT

Salem Acres Superfund Site

Salem, Massachusetts

The Salem Acres Superfund Site contained over 100,000 cubic yards of hazardous sludge and soils in onsite lagoons. The waste was deposited in eight unlined lagoons on approximately four acres. Contaminants included PCBs, heavy metals, PAHs, dioxins, furans, and VOCs. Sealand Enviro was contracted by the South Essex Sewage District to remediate the entire site to Massachusetts regulatory standards. Under the direction of the USEPA, the MADEP and URS, Sealand Enviro provided engineering and remedial construction services. In addition to the removal of all hazardous waste from the site, Sealand Enviro treated over three million gallons of contaminated surface and groundwater.

FEATURES

- Complex excavation activities under steep conditions
- Disposal of 100,000 cubic yards of hazardous sludge
- Dewatering and waste water treatment under permitted discharge
- Wetland protection and restoration
- Complex scheduling in sensitive residential setting

SEALAND ENVIRO

PROJECT

MacGillis & Gibbs Superfund Site

Minneapolis, Minnesota

Sealand Enviro completed the remediation of the MacGillis & Gibbs Superfund Site as a prime contractor to the U.S. EPA. The work was overseen by the EPA's contractor Ecology and Environment. The site was an old pole wood treatment facility just north of Minneapolis. Sealand Enviro provided environmental engineering and construction services for the remediation of soils and groundwater throughout the site to Minnesota regulatory standards. Soil was transported to Subtitle C landfills using rail. An advanced groundwater extraction and treatment system was constructed and operated as part of the cleanup to remediate PCBs, heavy metals and dioxins.

FEATURES

- Facility decontamination and demolition
- Removal of 18 chemical USTs
- Site characterization and remedial construction
- Construction of groundwater recovery and treatment
- Transportation and disposal of hazardous waste via rail

SEALAND ENVIRO

PROJECT

North Lawrence Oil Dump Site

North Lawrence NY

Sealand Enviro remediated 7,000 cubic yards of heavy metal contaminated soil from wetlands and lagoon areas at the North Lawrence Oil Dump Site. Under contract to the NY Department of Environmental Conservation Sealand Enviro remediated the site through the use of fly ash and cement kiln dust. The solidification and stabilization of the waste was performed using a Mitsui blender, and was overseen by ABB Environmental Services.

FEATURES

- Large scale excavation of lagoons and wetlands
- Solidification and stabilization of heavy metals soils
- Continuous air monitoring
- Surface water recovery and treatment
- Project closure for unrestricted reuse

SEALAND ENVIRO

PROJECT

Li Tungsten Superfund Site

Glen Cove, New York

Sealand Enviro completed the remediation of the Li Tungsten Superfund Site as a prime contractor to the U.S. EPA with oversight by Malcolm Pirnie. The site was contaminated by radioactive tungsten ore residue and debris. Sealand Enviro consolidated and provided secure disposal of approximately 8,000 cubic yards of radioactive tungsten ore residues and debris from various areas throughout the 26-acre site. The fast track project involved the identifying, screening, sampling, segregating and stockpiling of the radioactive material and decontamination of the abandoned manufacturing facility. In addition to the decontamination and remedial activities, Sealand Enviro contained the entire site with a structural marine bulkhead.

FEATURES

- Decontamination and disposal of low level radioactive waste
- Screening, sampling and segregating of LLRW
- Disposal of 8,000 cubic yards of LLRW
- Containment of site with structural marine bulkhead
- Emergency response and containment services

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PROJECT

Sayreville Landfill Superfund Site

Sayreville, New Jersey

Sealand Enviro completed the remedial action at the Sayerville Superfund Site as a prime contractor to the U.S. EPA. The remedial action was designed and overseen by the EPA's contractor O'Brien & Gere. The 21 acre site was a former landfill which had received large quantities of RCRA and TSCA waste for years. The scope of work included a complete RCRA cap on the old landfill and the remediation of known dumping areas of hazardous waste. As part of the remediation, Sealand Enviro excavated, characterized and disposed of hundreds of 55-gallon drums of hazardous waste and relocation of waste fill materials. The scope of work also included wetland restoration and replication, as well as continuous monitoring of the landfill for contaminant migration.

FEATURES

- Construction of RCRA landfill cap
- Test pits and removal of contaminated areas
- Removal and characterization of hundreds of 55 gallon drums
- Construction of permanent sedimentation and erosion control
- Installation of passive gas venting system
- Wetland restoration and replication

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PROJECT

Medical City Brownfield Site

Worcester, Massachusetts

The Worcester Medical City project consisted of the environmental restoration of 42 commercial and industrial properties comprising 25 acres in the center of the second largest city in New England. As prime remedial construction contractor, Sealand Enviro performed the remedial actions to regulatory standards on a site-by-site basis. Sealand Enviro provided engineering and construction services to the Worcester Redevelopment Authority on this large scale Brownfield redevelopment. Sealand Enviro designed and employed various on site remedial technologies to lower the overall remedial costs. Technologies employed included thermal desorption of VOC and petroleum contaminated soils, stabilization of lead contaminated soils, and vapor extraction of VOC contaminated soils.

FEATURES

- Remediation of high profile site in city center
- Night time remediation and site perimeter monitoring
- Use of level B personal protection throughout project
- Use of onsite soil treatment technologies
- Site closure to regulatory standards allowing unrestricted use

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PROJECT

Former Scovill Brass Industrial Facility

Waterbury, Connecticut

The former Scovill Brass Industrial Facility was comprised of a 96-acre site contaminated from years of industrial use. As part of a $50 million dollar redevelopment project, the site required remediation of the buildings, soil and groundwater to regulatory standards.
As the prime environmental contractor, Sealand Enviro managed the remediation of the entire site within an accelerated schedule to facilitate the construction of the Town Center Shopping Mall. As one of the largest Brownfield redevelopments in Connecticut, the project generated extensive regulatory involvement and public awareness. Sealand Enviro coordinated its remedial activities with those of the development contractor Fusco Langan JV throughout the life of the project. Over 150,000 tons of contaminated soil was removed during the site cleanup. Sealand Enviro employed innovative soil remediation technologies to lower remedial costs, including the use of a molecular bonding agent to stabilize heavy metal contaminated soil for non-hazardous disposal, and vapor extraction to lower VOC levels to non-hazardous.

FEATURES

- Large project site with multiple remediation areas
- Treatment of heavy metals using molecular bonding
- Treatment of VOC contaminated soils using vapor extraction
- Coordination with various site contractors
- Project closeout to regulatory standards of unrestricted use

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PROJECT

Natick RUST Remediation Program

Natick, Massachusetts

The Natick Residential Underground Storage Tank (RUST) Program was a first of its kind residential portfolio remedial action. Through a special fund provided by the U.S. EPA, MA DEP and Massachusetts Office of Community Development, grants were established to assist over 500 homeowners, with the removal of their heating oil UST and resulting contamination issues. The fund limited the potential exposure of any individual homeowner by funding remedial action over an established cap. The program was meant to serve as a prototype project for numerous communities in similar situations across the nation. As prime contractor under the direction of the project engineer Whitman & Howard, Sealand Enviro managed the program, which included UST removal at over 500 home sites and remedial action to regulatory standards at approximately 200 sites. Each site was restored to its original condition. Many sites required extensive property restoration including foundations, driveways, decks, etc. Sealand Enviro played an integral role in community relations and progress updates.

FEATURES

- Town wide remedial action at over 500 residences
- Fast track project with continuous scheduling updates
- Multiple crew operations and coordination
- Project closeout on site by site basis
- Sensitive community relations and communication

SEALAND ENVIRO

PROJECT

Loring Air Force Base Closure

Presque Isle, Maine

Loring Air Force Base was shut down in the early 1990s as part of the base closure and realignment process. Sealand Enviro provided environmental engineering and remedial construction services to the US Army Corps of engineers in association with the closure of the base over a four-year period assisting in the return of the 9,000-acre site to non-military use. Under various contracts, Sealand Enviro completed decontamination and decommissioning of structures and remediation of soils and groundwater.

The project included the dismantling and removal of the entire jet fuel storage and distribution system including the demolition of pump houses, twenty 50,000-gallon tanks and miles of jet fuel piping. Sealand Enviro provided onsite remediation of jet fuel contaminated soils through the use of soil vapor extraction systems. Ancillary tasks included the construction of an onsite landfill and remediation of the base firing range.

FEATURES

- Remediation of many operable units on large 9,000 acre site
- Demolition and removal of heavy structural fueling facilities
- Onsite remediation of large quantities of contaminated soil
- Four year site management with evolving work scope
- Remote location with adverse weather conditions

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PROJECT

Fort Bliss Oil and Pesticide Pits

El Paso, Texas

As prime contractor to the U.S. Army Corps of Engineers, Sealand Enviro completed the remediation of five separate Solid Waste Management Units contaminated with chlordane, aldrin, DDD, DDE, DDT, chlorinated compounds, PAHS, and heavy metals. All work was performed under Level B personal protective measures. Sealand Enviro mobilized a transportable direct fired thermal desorption unit at the site and successfully treated over 30,000 tons of contaminated soils to Texas regulatory standards. Onsite treatment of the soils by Sealand Enviro resulted in significant cost savings to the Federal government. In addition to the remedial construction activities, Sealand Enviro also provided final site characterization and closure services.

FEATURES

- Remediation of five separate operable units
- Deep large scale excavations
- Design, construction and operation of thermal desorption unit
- Air permitting and monitoring
- Complex soil staging and material handling on active runways

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PROJECT

Airport Remediation

Newark, LaGuardia and Kennedy Airports

Sealand Enviro has provided environmental services to the nation's largest airlines since the early 1990s. As the first environmental member of the Airports Consulting Council, Sealand Enviro established a reputation with airline facility managers as an experienced environmental engineer and contractor. One such client was Continental Airlines, where Sealand Enviro designed and managed a variety of remedial action projects at facilities throughout the NY and NJ area. From UST and contaminated soil removal to installation of groundwater pump and treatment systems, Sealand Enviro provided remediation field services at terminal and hangar facilities.

FEATURES

- Hangar demolition
- Large scale soil and groundwater remediation
- Emergency response
- Active runway remedial construction
- Construction of groundwater treatment systems

SEALAND ENVIRO

PROJECT

Brookhaven National Labs

Long Island New York

Sealand Enviro was contracted by the U.S. Department of Energy to close Operable Unit I at the Brookhaven National Laboratories on Long Island, New York. The project entailed closing the former interim landfills and silt trenches by capping in accordance with NYCRR Part 360. Low level radioactive waste was excavated and relocated as part of the remedial action. The work was designed and overseen by Weston Solutions.

FEATURES

- Closure of LLRW landfill by construction of an impermeable cap
- Construction of access roads
- Relocation of contaminated fill
- Area monitoring and soil and groundwater sampling
- Work under secure DOE conditions

SEALAND ENVIRO

PROJECT

Groundwater Removal and Treatment System

North Carver MA

In the 1970s residential drinking water wells located in the vicinity of the North Carver landfill were found to be contaminated with trichloroethylene and other VOCs. As an interim measure residents were supplied drinking water via a water storage and distribution system. Under contract to the MA DEP Sealand Enviro constructed a 50GPM groundwater pump and treatment system designed to contain the migration of the contaminant plume in the sole source aquifer. The project entailed many challenges including the installation of secondary containment piping below a riverbed and treatment system design modifications.

FEATURES

- Stream Diversion and below stream pipe installation
- Construction of turnkey groundwater recovery and treatment system
- Operation and maintenance of system on continuous basis
- Level B personal protective equipment environment

SEALAND ENVIRO

PROJECT

Emergency Response TWA Flight 843

JFK International Airport NY

On July 30, 1992 TWA flight 843, a Lockheed L-1011 airplane crashed at JFK International Airport. Miraculously all 293 passengers and crew members survived. The crash resulted in a fuel fed fire which destroyed the aircraft and released jet fuel into the sandy soils proximate to Jamaica Bay. TWA selected Sealand Enviro to respond to the incident and contain and remediate the free phase hydrocarbon plume. Environmental engineering and remediation activities included real time characterization using a mobile gas chromatograph, and removal and offsite thermal desorption of 5,000 CY of impacted soils and sand. Site closure to regulatory standards was accomplished within sixty days of mobilization.

FEATURES

- Emergency response
- Fast paced site characterization and remedial activities
- Use of mobile gas chromatograph
- Site closure within sixty days
- Active runway environment

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