

SCE Environmental Group, Inc.

Offices and Facilities:

Jersey City, NJ Washington, PA Nicholson, PA Uniondale, NY Lake Ariel, PA Fairmont, WV

Safety. Service. Value. Integrity.





















Letter of Introduction

SCE is an environmental and construction contractor with deep roots in the Northeastern United States. The company enjoys a working relationship with numerous Fortune 100 & 500 companies and Top 10 Consulting and Engineering firms. With extensive environmental construction experience, qualified personnel, and a fleet of heavy equipment, SCE is a cost-competitive turnkey environmental contractor.

SCE's projects include the Anthrax clean up at the Hart Senate Building in Washington, DC; a complex \$13.5MM excavation and landfill capping project; and a \$6.2MM chemical plant demolition. Other high profile projects include emergency responses to Hurricanes Ivan, Charlie, Jeanie, Katrina and Sandy; abatement and remediation at 9/11 Ground Zero; and the remediation of the largest oil spill in Bahamian history.

SCE's Oil & Gas Division provides customized products and services to the water, environmental, fracturing, fluids, and production needs of our customers throughout the United States. The Division was formed in 2013 to uniquely address the special water and environmental challenges associated with modern day unconventional and conventional oil and gas resource development. SCE delivers comprehensive solutions for the safe hauling, storage, transfer and disposal of water and industrial fluids and waste for leading companies across the Marcellus region. Our Pennsylvania-based local team consists of professional and field service resources throughout the Marcellus & Utica Shale regions who are able to provide support to any environmental or construction task.

The SCE team is composed of more than 185 local field personnel including CDL drivers, environmental technicians, equipment operators, and laborers throughout the Eastern US. Our personnel are among the most knowledgeable, experienced professionals in the industry. Highly trained specialists in such fields as oil & gas, construction, pipe fitting, environmental remediation, demolition, waste transportation & disposal, concrete / asphalt installation, and abatement ensure your project's success.

SCE proudly boasts an impeccable record of "Zero" lost workdays and "Zero" accidents in the past five years. Additionally, all SCE personnel are OSHA 40-Hour trained and maintain current medical monitoring certificates as required by OSHA 1910.120. All SCE crews are LPS trained and hold numerous certifications in various trades and skills.

Our dedication to quality assures that your project will be undertaken in a safe, environmentally sound, and cost effective manner. We firmly believe in earning our clients' loyalty and trust. Every day on every job site, your interests come first.

Zero Injuries, Zero Lost Workdays.

EMR 0.730.

SCE is the proud recipient of the Pennsylvania Governor's Award for Safety Excellence.

SCE received the Safety Merit Award in the Engineering News-Record (ENR) Best Projects of 2015.

SCE was named the 24th fastest growing environmental remediation company and the 1,060th fastest growing small business in the United States by Inc. Magazine.

SCE was awarded the Bronze Medal for Excellence in Remediation Contracting by the Environmental Business Journal (EBJ).

SCE received the USEPA Region III Environmental Excellence Award for Brownfield Projects.

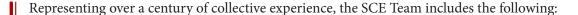
SCE employs 185 field personnel and owns 150 pieces of "serviceable" equipment including screening plants, D-8's, 100,000# excavators, water hauling and vacuum trucks.

SCE maintains \$10MM in insurance coverage.

SCE has completed projects in many states and international locations including Togo, Nassau, Long Island and Crooked Island Bahamas; Kuwait City, Kuwait; Hsinchu City, Taiwan and Rivas, Nicaragua.



The SCE Team





Jody Cordaro, President. Overseeing the daily operations of SCE Environmental Group, Jody Cordaro has over 28 years of diverse experience covering the broad scope of environmental, construction and real estate industries of the United States and internationally, with emphasis on strategic and operational analysis; mergers and acquisitions; and business and organizational development. His record of achievement is defined by strategic management of human capital, service delivery, innovation, conflict resolution, and the creation, implementation, and management of cross functional support and disaster relief response efforts.

Teams under his direction have been deployed to national and environmental emergencies including 9/11 World Trade Center, Anthrax response, Hurricanes Katrina, Ivan and Sandy, and the BP Oil Spill.

Mr. Cordaro has grown his company from a small start-up, boutique organization to a highly organized, well respected 185 person institution. His corporate approach to "Partnering" has seen SCE work with some of the largest A&E firms in the world.



Nate Butler, Vice President, Operations. With diverse construction and environmental project experience, Butler is a well-accomplished leader and trainer. With over 15 years of experience in environmental construction, he is an expert in waste water treatment, facility decontamination, demolition, soil excavation, mold remediation, water / vapor extraction systems, and confined space entry tasks. In addition, numerous projects under his direction have required the installation of monitoring wells and Butler has managed the sampling and reporting requirements for many of those installations.

Placing safety as his first priority, Butler has extensive, progressive, hands-on construction experience in managing firm, fixed price projects from inception to completion. His responsibilities focus on the field operations of a wide variety of projects, with areas of core competency including site work, environmental remediation, demolition, and large earthmoving projects.



Dale Nat, Director of Health and Safety. As an industrial hygienist with over 28 years of experience, Nat manages all types of projects from asbestos to environmental site assessments. Additionally, he has provided asbestos consulting services internationally for Fortune 500 companies. Nat has managed the development and implementation of training programs which included: Respiratory Protection; Hearing Conservation; Radiological Hazards; Confined Space Entry; Trenching & Shoring; Industrial Ventilation; Asbestos Abatement & Control; Personnel & Equipment Decontamination; Nuclear/Chemical/Biological Warfare Agent Detection & Treatment; Hazardous Waste Operations and Emergency Response and Hazardous Materials Management.

Nat's experience spans the fields of Bioenvironmental Engineering; Industrial Hygiene Monitoring; Environmental Pollution Assessment and Control; Environmental Medicine; Public Health; Industrial Radiological Protection; Occupational Medicine and Hazardous Materials Training. He has worked with the Department of Defense, NASA and the United States EPA. Nat has conducted over 300 Environmental and Industrial Hygiene/Safety inspections at over eleven military installations throughout the continental United States and abroad.



Bruce Morgan, Chief Compliance Officer. Morgan has 25 years of experience in corporate law and real estate. He has participated in the acquisition, development, marketing and sale of large-scale land projects including resort, residential, commercial and recreational properties throughout the United States. His experience includes matters relating to HR, corporate licensing, USDOT, taxation, company registration, bonding, finance, insurance and risk management.



Eugene Talerico, General Counsel. Talerico joined SCE as General Counsel in 2016. He brings to SCE his legal training, knowledge of administrative law, and extensive experience of over twenty years with the Lackawanna County, Pennsylvania, District Attorney's Office prosecuting numerous criminal cases including child sex offenders and homicides. In addition, Talerico is the President of Marley's Mission, an equine-based counseling facility for traumatized children.



Jack Spear, *Senior Estimator*. With over 41 years of environmental and engineering experience, Spear is responsible for bidding and cost proposals both in the US and Internationally. His experience includes multi-billion dollar projects for private corporations and government agencies including the ACOE, FAA, DOE and DOD. He has also served as a consultant on national and international projects ranging from large scale radioactive contaminated cleanup projects to remedial construction projects for commercial companies, and has managed numerous special projects including a \$4 million dollar government flood control project.



William Bradican, Director of Client Services. With over 19 years of management experience, Bradican has been involved with projects in the environmental and construction fields with specific emphasis on demolition, industrial services, and disaster relief. He is a dedicated client partner with tremendous insight into the intricacies of program, project and client relationship management. Bradican has worked with a variety of commercial, industrial, and governmental agencies to bring projects from inception to completion. His goal is to assure that SCE's Clients are represented internally by a senior manager championing their interests.



Kevin Gawason, Director of Client Services. Gawason brings over 30 years of experience to his role as Director of Client Services. He cultivates business opportunities by identifying prospective clients, evaluating their needs, and recommending solutions for their challenges. Internally, he is the clients' representative in collaborating with the Project Manager and Field Manager. Externally, he serves his clients by providing expert and timely support, information, and guidance; researching and recommending new opportunities; and recommending cost and service improvements.



Bill Drazdowski, Controller. Drazdowski brings over 12 years of experience in the roles of Controller, CFO, Director of Operations, and VP of Finance. During his career, he has overseen all business functions, human resources and related controls for a health care provider. He advised Sr. Management on financial planning, budgeting, cash flow, investment priorities, and policy matters and represented the corporation externally, particularly in banking, lease and contract negotiations.



Pedro Anés, Chief Talent Officer. Anés has over 30 years experience in Talent & Organizational Development. Prior to joining our team, he was the Director of Workforce Education at Marywood University, Program Director of Basic Education and Workforce Development at Northampton Community College, Adjunct Professor of Operations Management at DeSales University and owned a successful Workplace Learning & Performance consulting firm from 2006-2017. He is a certified Loss Prevention Systems (LPS) Instructor and is responsible for building a high performance culture that values leaders, employees, customers, teamwork, safety and profitability at our company.

Services

• Demolition, Facility Decontamination and Decommissioning

- Mold Remediation and Abatement Services
- Facility Shutdown Services
- Lead & Asbestos Pre-Demo Surveys
- Large Scale Demolition
- Tank Cleaning and Degassing

Soil Excavation

- Excavation and Disposal of Contaminated Soils
- Hazardous & Non-Hazardous Transportation & Disposal Services

Emergency Response and Disaster Relief Services

- Transportation Emergencies
- Bio Terrorism Response & Mitigation Experience
- Flammable Liquids, Corrosives, and Reactives
- Plant and Industrial Facility Response Support
- Vacuum Truck Services
- Disaster Relief Services

• Remediation System Installation

- Complete Turn-Key Installation Services including Trenching, Piping, Backfill, Concrete, and Paving Restoration
- Groundwater Extraction and Treatment Systems
- In-Situ and Ex-Situ Bioremediation
- Soil Vapor Extraction Systems

Landfill Services

- Construction, Capping and Containment
- RCRA Impoundment Construction and Closure
- Landfill Construction / Closure
- Leachate Collection Systems
- Soil Erosion / Drainage Control
- Infiltration / Collection Systems
- In-Site CAMU / SMHU Construction
- Geoprobe Services

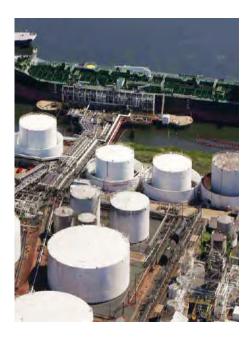
Abatement

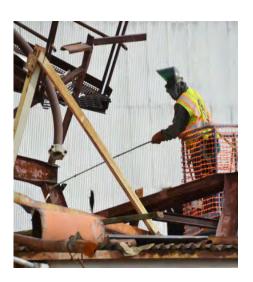
- Asbestos (Licensed in 11 States)
- Lead
- Mold

Oil & Gas Services

- Transfer and Disposal of Industrial Fluids
- Fresh and Production Water
- Spill Remediation
- Vacuum Services
- Pad Inspection and Maintenance (Chapter 102)
- Pipeline Service
- Temporary Tank Rental (up to 40,000 bbl)
- Tank Cleaning
- Water Hauling







Fleet

WATER HAULING

110bbl and 130 bbl Water trucks / tankers Supersucker Vacuum tanks (equipped with GPS and camera systems)

DOZERS

Caterpillar D3G XL LGP Dozer Caterpillar D6H LGP II Dozer Caterpillar D7L Dozer Komatsu D37 P LGP Dozer John Deere 650G Dozer Caterpillar D8N Dozer Caterpillar D8R Dozer

OFF ROAD TRUCKS

Moxy DX35 Articulating Dump Truck (1) Caterpillar 740 Off Road Trucks (4) Volvo A40D Off Road Truck (1)

EXCAVATORS

Caterpillar 349 Excavator
Komatsu PC650 Excavator
Caterpillar 345BL Excavator
Caterpillar 321CLR Excavator - Long
Stick 54'
Caterpillar 328CLR Excavator
Caterpillar 330CL - Excavator 4 CY
Caterpillar 321CLCR Excavator



Caterpillar 325DLCR Y Excavator Caterpillar 336DL Excavator Hi-Reach (85') Caterpillar 311 Excavator Caterpillar 312 Excavator Mini-Excavators - JD 17, JD 27, JD 35, JD 50, Cat 301, Cat 303.5, Cat 305, Cat 308 Inventory of Processors, Grapples, Hammers and Buckets

LOADERS

Caterpillar 980C Wheel Loader - 3.5 CY John Deere 644 Wheel Loader 4 CY Caterpillar 930 Wheel Loader Case 580 K Backhoe John Deere 310D Backhoe Caterpillar 226 Skid Steer (Tire) (3) Caterpillar 279C Skid Steer (Track) (5) Caterpillar 289C Skid Steer (Track) (4)





Experience - Major Projects.

Each year, SCE undertakes multiple projects with budgets exceeding One Million Dollars. To meet the unique challenges inherent in these major projects, the company has assembled a team with the experience needed to deliver results and provides the labor, materials, tools, and administrative expertise necessary to support the effort. A sampling of these major projects includes the following.

RCRA Landfill - \$13,500,000

- SCE served as Prime Contractor for this soil excavation and capping project completed under a US EPA/PA DEP Consent Order. SCE installed a 9.5 acre cap, cleared and grubbed 22 acres, and installed a retention basin, check dam, and spillways. In addition, the company imported over 237,000 CY of structural fill and 41,000 CY of top soil to the site.
- The site is adjacent to the Lackawanna River and is within a heavily populated area. As a result, the project was conducted under a "Zero Dust" Rule. Of particular concern was the potential for substantial dust generation created by



- exceptionally dry hazardous material that had been encased in a liner for more than 15 years. With over 41 pieces of heavy equipment on the project, SCE met production rates exceeding 11,000 CY per day with no violations of the Zero Dust Rule.
- SCE employed High-efficiency Dust Boss suppression equipment to achieve the required air quality standards while avoiding surface oversaturation. Representatives of the U.S. EPA, PA DEP, and the U.S. Army Corps of Engineers were all on site to oversee air quality monitoring.

Environmental Remediation and Construction - \$13,000,000

• SCE's premier construction effort at City Island in New York City, known by the name "On the Sound", was

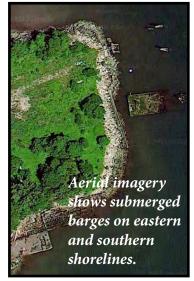
featured in the New York Times as "the first large-scale residential development in about 15 years for City Island, a place that is reminiscent of a fishing village in New England and as such an anomaly within the borders of New York City."

• The project features 21 two-family dwellings, a single one-family home, a clubhouse, various amenities and a public esplanade that runs along the



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 Demolition and site preparation at this multiphase townhouse community proved to be a challenge as SCE dealt with the remains of six massive barges



abandoned on the island long ago. The barges, in varying degrees of decay and accessibility, were removed to properly prepare the site for the luxury townhomes to be constructed at the location. In some cases, the barges remain partially submerged in the Long Island Sound. In other cases, barges had been grounded, buried, and backfilled with debris. Removing these obstacles served as an important remediation to the ecology, environment, and aesthetics of the site.

Facility Demolition - \$9,100,000

In Jenkins Township, Pennsylvania, SCE was retained to demolish a one million square foot former manufacturing facility. SCE's excavators carried the lion's share of the demolition effort and they were equipped not only with long-reach capabilities (85' reach), but also with dust suppression and remote video cameras mounted on the end of the boom. From their position 85' below, operators had precise video feedback allowing for exact placement and could deliver dust suppressing jets of water from the attachments instantly. Dust suppression



was further supported from massive water cannons producing plumes of mist that kept dust from migrating off property into the nearby residential community or PA Turnpike.

• From project inception, safety played a key role. Every employee received site specific training including orientation, hazardous material awareness, and safety policies and procedures. In addition, as dictated by tasks, crews were trained in many areas including hazardous communication, aerial lift, and hot work.

All SCE crew members onsite were certified not only in OSHA 40, but also the LPS behavior-based safety system. LPS procedures including loss prevention observations, near loss incidents, and incident investigation were fully incorporated into the project. Throughout the project duration, an SCE site safety officer constantly



monitored crew activities and site conditions to make sure safety remained at the forefront.

• Particularly effective was a color-code site map that was updated weekly to delineate active work zones, material flows, and crew assignments. The map was reviewed by project managers and site foremen, distributed to all employees, and reviewed each day by all personnel as part of a daily "Tailgate" safety

meeting.



- Every day, all on site personnel attended three safety related meetings. Each day started with a mandatory morning Tailgate meeting. In addition, mandatory meetings at 2:00pm ("two minutes at 2:00") and 5:00 pm ("five minutes at 5:00"), provided constant reminders of job hazards and safety procedures and reinforced open communications on safety throughout the project.
- Massive amounts of materials were sorted and segregated

into various waste streams by twenty-one pieces of heavy equipment in constant motion. As a result of the rigid attention to safety protocols and a disciplined use of the site map, the crew kept the project on time, on budget, and without injury. By project completion, the crew had amassed more than 30,000 hours of injury free duty.

• In 2015, ENR Magazine presented SCE with a Safety Award for the project.

Factory Decommissioning and Demolition - \$2,600,000

- In the town of Avenel, New Jersey, SCE crews demolished a former chemical manufacturing plant and removed eight major structures, thirty-five tanks, two silos, and hundreds of feet of pipelines and rails. Working over eighty feet high in bitter cold winter conditions, asbestos workers carefully removed panels of ACM, lowered them to the ground from aerial lifts, and sent them off-site for disposal.
- As evidenced by the forty men and women in the crew of New Jersey licensed asbestos handlers,
 - asbestos abatement played a key role in this project. Over 100,000 square feet of asbestos-containing panels, 100 cubic yards of friable asbestos, and 1,000 lineal feet of pipe insulation and fittings all required careful removal and disposal. In addition, Hazmat crews dealt with 1,000 tons of sodium silicate, 2,000 tons of soda

ash, and 10 tons of hazardous lead waste.



• The structures were demolished into small manageable pieces using SCE's Caterpillar 349 high-reach excavator that can extend eighty-five feet into the air, along with five large excavators equipped with shears, hydraulic hammers, pulverizers and grapples. Piece by piece, the scrap and waste was sorted and each stream was properly disposed. The use of a self contained, trailer mounted water suppression system that covers 196,000 square feet ensured zero dust on the project. When the demolition project was complete, concrete was crushed and used as backfill and capped with topsoil and hydroseed to complete the remediation.

Slurry Wall - \$1,100,000

• The Erie Turntable, one of the last remaining railroad turntables in the northeast, is located in a rail yard just north of the Central Business District of Port Jervis, New York. Due to concerns that a potential petroleum plume from the property could impact the nearby residential community, SCE was awarded a contract to excavate a trench 30 feet deep by 1,000 feet long in challenging and unforeseen ground conditions. With groundwater only 10





feet below the surface, the task of constructing the concrete wall was complex.

• Utilizing a method called deep soil mixing, crews prepared 50 ton batches of bentonite and cement in an on-site concrete silo and then injected the mix into the ground simultaneously with a soil drilling process. As a result, the concrete mix immediately filled the void created by the drilling operation. Crews excavated, hauled, stockpiled, and replaced over 4,000 cubic yards of soil to complete this project.

Interior Demolition - \$1,500,000

- Standing 17 stories and constructed in the 1920's with opulence typical of the era, the former Rutgers Law School in Newark is an iconic symbol of the city's architectural heritage. The passage of time, vandals and the elements had not been kind to the once-grand building that lay dormant for over ten years. "What really needs to be restored is the beauty of the building back to its 1929-30 standard," said Antonio Calcado, Rutgers Vice President of University Facilities and Capital Planning, while announcing an \$85 Million rehabilitation project to preserve the elegance of public spaces and provide housing for nearly 400 students.
- SCE provided interior demolition for the project. Supported by SCE's branch location in Jersey City, NJ, the project included complete interior demolition, and the removal of water tanks atop the building, mechanical, electrical and plumbing, non-load bearing walls, stairwells, elevators, and all interior framing. The process was, at times, surgical. Historic areas and materials were preserved for the future renovation.



Landfill Remediation and Cap - \$2,750,000

• SCE was awarded the Prime Contract for the implementation of remedial activities at the Carroll Town Landfill Site located within the Town of Carroll, Chautauqua County, New York. This project



is being performed through the New York State Department of Environmental Conservation (NYSDEC) and is a New York State Superfund Site. The landfill operated as a municipal solid waste landfill from the early 1960s to 1979. Records indicate that industrial wastes

- were disposed of in the landfill during the period of operation.
- The contract called for the excavation of soil and waste, consolidation of two waste cells into one. installation of a soil cover over the consolidated waste mass, and site restoration. Specifications called for over 20 acres of site clearing, 30,000 cubic yards of waste consolidation, 50,000 tons of backfill and topsoil placement, and extensive site restoration.
- Technology played a significant role in the operation. Excavators and earth moving equipment were directed by GPS navigation. In addition, monitors placed along the perimeter of An excavator-mounted grinder reduces a standing tree to mulch. the site constantly measured air quality, weather



- conditions and wind direction and speed. Information was transmitted instantly from the monitors to the site office. If any air quality, weather, or wind parameter was exceeded, the operation was suspended.
- The project required the mobilization of several pieces of large equipment including a state of the art excavator mounted 210-LTC - a 59,000 lb, 350 horsepower, Tree Mulcher and Stump Grinder. The grinder reduced large standing trees and stumps to mulch in environmentally friendly contrast to the standard practice of felling and burning trees and burying stumps in landfills.

Power Line Tower Shearing - \$1,050,000

On the promise of reinforcing our nation's critical energy infrastructure for future generations, PPL Electric Utilities of Pennsylvania and Public Service Electric and Gas Co. of New Jersey, undertook the installation of a 145-mile, 500-kilovolt power line to run from Berwick, PA to Roseland, NJ. About 95% of the route follows the path of an existing and outdated power line that has been in place for over 80 years. SCE joined the team with primary responsibility of removing hundreds of old transmission towers coated in lead paint.



The project, which involved shearing nearly 300 towers into transportable pieces, required the careful handling of lead-based paints with constant air-quality monitoring and dust control. Sheets of protective plastic lined the ground as SCE technicians worked hand in hand with helicopter crews to drop the towers. Next, the towers were dismantled, sheared and shipped for proper disposal.

Interior Demolition and Site Remediation - \$4,000,000

• In a multi-year effort, SCE crews worked on an uninterrupted series of phases at an industrial site in New York State. The project started with the interior demolition and decontamination of a 160,000 square foot, four-story former manufacturing facility. The former manufacturing site contained 46 tanks and vessels along with conveyor systems, piping, and mixing vats all contaminated with RCRA metal waste that had to be handled accordingly.



- Following the successful demolition effort, SCE tackled a challenging 4,000 ton soil excavation project requiring the installation of sheet piling around the entire excavation area and a slide rail shoring system to stabilize the area between two
 - buildings at the site. Soil disturbed during excavation released a very strong odor that had to be contained with an eight thousand square foot tent structure measuring over 40 feet high at its peak.
- Along with the soil excavation project, SCE additionally abandoned and cleaned eleven underground storage tanks including four 30,000 gallon tanks, two 20,000 gallon tanks, one 10,000 gallon tank, and four 2,000 gallon tanks. Over 20,000 gallons of wastewater and fifty tons of sludge and gel material were removed from the tanks.
- The latest phase of the project called for the remediation of an inlet basin at the project site. The effort included the removal of universal waste, the abatement of hazardous materials, and the dredg-



Operating a remote controlled demolition robot equipped with hydraulic shears, an SCE crew member stays out of harm's way as pipes are cut from the ceiling.

ing of the basin. The challenge for this phase of the project was access. SCE machines simply could not be positioned to reach the impacted soil and properly dredge the basin. The solution was to load SCE's CAT 325 excavator onto a 100' x 40' barge and float the machine into position on the shore of



- the basin. The barge was delivered to the site using a tug boat hauler and was placed in position during high tide. The barge was strategically placed to allow the excavator to maneuver along the work area in close proximity to the impacted shoreline.
- A turbidity curtain was installed within 25' of the barge and an oil boom protected against the incidental release of oil during excavation activities. Soils were dredged out only during low tide and stockpiled at the work area for decanting until the soil was ready to be

- moved off site to a licensed landfill.
- To protect other areas of the property, SCE installed a 40 Mil HDPE liner and covered it with a 6 Mil polyethylene liner which was removed each day. This kept the worksite in the cleanest possible condition. All dry soils were loaded out into dump trucks that were lined with polyethylene liners. All dump trucks had water proof gaskets on the back door and a tarp system to ensure against leakage through transit.
- After the impacted soil had been removed, SCE backfilled the area with sand. In total, SCE excavated 2' to 4' below ground at low tide along a 75' wide portion of the inlet shore.

Mall Interior Demolition - \$2,000,000



- The Westchester is an 890,000 square foot, upscale shopping mall in downtown White Plains. New York. Opened in 1995, and anchored by Neiman Marcus and Nordstrom, the facility is owned by Simon Property Group and is home to today's most fashionable and well-known retailers.
- As part of an overall remodeling and renovation of the facility, SCE was awarded three contracts for the par-

tial demolition of existing structures in the interior,

exterior and food court areas of the mall. The effort included the removal of floor surfaces and coverings from various common areas and vestibules, the demolition and removal of select walls, planters, facades and features both inside and outside the mall, and extensive demolition within the food court area.

Of particular concern was that the facility remained open to the public throughout the process. To maintain site safety and to preserve a positive guest shopping experience, crews worked only at night. At the end of each shift, the worksite was thoroughly cleaned and prepared for the next day's shopping traffic. The public was exposed to neither the safety risks of an active work zone, nor the unavoidable noise generated by the collection of power equipment and demolition activities.



Historic Landmark - Demolition / Asbestos Abatement - \$2,600,000



- SCE provided partial demolition and asbestos abatement at the New York City Housing Authority project at the Harlem River Houses. The project was part of a \$17 Million renovation under a Prime Contract.
- The Harlem River Houses are located in the borough of Manhattan, and cover 9 acres (36,000 m 2) in Harlem. The Harlem River

- Houses were the first federally funded housing projects in the United States. Their construction and opening attracted national attention. They are said to be the most successful public housing in New York.
- The Harlem River Houses are considered to be one of New York's landmarks. The complex was designated a Special Planned Community Preservation District, a zoning category created in 1974 to "preserve and protect ... superior examples of town planning or large-scale development." It was listed on the National Register of Historic Places in 1979. (Source: OpenBuildings.com)
- SCE's multi-million dollar scope of work included the removal of an asbestos-laden brick parapet that outlines each of several structures in the complex. Additionally, SCE was charged with the removal of window caulk containing asbestos in literally hundreds of windows in the many housing units, and with the restoration of radiators coated in lead-based paint.
- Work was painstakingly slow. The complex is fully occupied and careful consideration was given to the safety of the public and residents. Additionally, the demolition of parapet must be done with precision with limited power tools. Caulk and paint removal is similarly manual-labor intensive.

Former Ordnance Plant - Soil Remediation - \$2,200,000



- In 2016, SCE was awarded a multi-million dollar subcontract for site restoration work at the Denver Federal Center (DFC), a federal office park complete with laboratory, storage and office space.
- The DFC is operated by the U.S. General Services Administration (GSA) and houses more than 28 different government agencies. During World War II, the DFC was the site of the Denver Ordnance Plant, a munitions manufacturing plant for the war effort. Due to the variety of prior activities on the campus and its long history, the Colorado Department of Public Health and Environment and GSA formally agreed to investigate whether these prior activities had any detrimental or lasting impact on the environment and remediate impacts as needed.
- During the 1940's an Industrial Waste Treatment Plant servicing the Ordinance Plant utilized the on-site Downing Reservoir for the final sedimentation of treated waste.
- Recently, GSA awarded the Downing Reservoir Project Prime Contract for the remediation and reconstruction of the reservoir. Excavation of the area is expected to start in the third quarter of 2016. Immediately following the excavation, SCE will re-establish the reservoir. Work is expected to continue thru 2017.
- SCE's role in the project includes the restoration of the reservoir with tasks including placement and compaction of backfill, granular bedding and drain gravel, ballast material and structural fill, and the installation of permanent maintenance and access roads, Rip Rap outfall channels, and a collector pipe system. SCE will also install bollards, place and grade topsoil and establish a vegetative layer.

PROJECT PROFILE - PETRO/CHEM DISTRIBUTION TERMINAL

Carteret, NJ



SCE has been retained on several occasions by one of the largest pipeline and energy storage companies in North America to undertake diverse projects on the company's 197 acre active liquid petroleum/chemical distribution terminal.

Projects successfully completed include:

- Installation of an eleven well remediation system, including fabrication and welding onto an existing pipe rack system.
- Installation of a massive concrete pad in the middle of the terminal.
 The pad will later be fitted with large chemical tanks that will be used in a remediation system.
- The handling and transport of RAD (TNORM) soils.
- The demolition and decommissioning of a truck maintenance and wash complex, asbestos abatement, tower demolition, tank cleaning and removal, utility relocation, HAZMAT abatement, and other demolition and decontamination efforts.
- Asbestos abatement of 4,120 lineal feet of ACM-coated pipe.
- The excavation of over 41,000 tons of soil. In addition, SCE managed dewatering activities throughout the project to ensure proper backfill activities. SCE crews managed soil piles on site and performed soil stabilization for off-site disposal.

Crews worked over 34,300 hours with zero accidents or injuries.

- Demolition
- Asbestos Abatement
- Decontamination
- Soil Excavation
- Soil Stabilization
- Dewatering
- Remediation Systems
- RAD soils

PROJECT PROFILE - SLOU COVER

Linden, NJ







Objective:

Replace and enhance the cover of a Sludge Lagoon Operable Unit (SLOU) at a working refinery operation.

Solution:

SCE was awarded this contract to enhance the cover of a 24 acre SLOU through a combination of regrading, installation of an artificial turf cover, construction of an access road, placement of topsoil and seeding, modification of existing monitoring wells, and installation of various sediment and erosion control devices.

Approximately 8.7 acres of the existing SLOU was stripped, topsoiled and seeded. An additional area of over 15 acres was covered with artificial turf. A new road, 20 feet in width, provides access to monitoring wells.

Because the project was within an operating refinery, SCE crews were subject to stringent refinery safety and security measures.

To staff the crew, SCE worked closely with Local Unions supplying equipment operators.

- Excavation
- Grading
- Seeding
- Artificial Turf
- Road Construction
- Demolition

PROJECT PROFILE - BROWNFIELD REMEDIATION

Lome', Togo, West Africa







Objective:

Prepare Brownfield site for development as electric power plant.

Solution:

In Togo, West Africa, SCE was awarded a contract for the decontamination and tank cleaning of 34 above ground storage tanks ranging in size from 25,000 to 500,000 USG, and the fluid elimination of over 462,000 gallons of product. This brownfield remediation was the first step in development, construction and operation of a 100 MW thermal power plant in Lome'. This Project represented the first substantial foreign investment in Togo in over a decade and is one of the most significant investments in the West African power sector in over twenty years.

Over 74 confined space entries were made by the SCE crew and over 3,175 man-hours were worked without incident.

In 2013, the project was recognized as one of the Top 40 public-private partnerships by the *International Finance Corporation and Infrastructure Journal*.

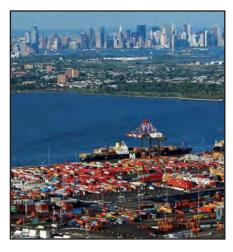
- Tank Removal
- Fluid Elimination
- Brownfield Remediation

PROJECT PROFILE - PORT AUTHORITY OF NY & NJ

NY and NJ Metropolitan Area







Objective:

Provide Asbestos, Lead and Universal Waste abatement and removal services at various Port Authority locations in NY and NJ pursuant to as needed Work Orders.

Solution:

SCE is signatory to multi-year contracts with the Port Authority of New York and New Jersey for the abatement of asbestos, lead and universal waste at the former World Trade Center in New York City, and several marine terminals operated by the Authority including Port Newark and Port Jersey.

Jobs are assigned via Work Orders issued from time to time. The contracts are for multiple years with renewal options and are valued in excess of \$6 Million.

These contracts require the utmost of compliance within secure operational facilities. Conducting operations at some of the busiest and highest profile properties in the world poses not only the challenge of environmental remediation, but also requires the minimal interruption of services at major transportation hubs, and the security issues that surround such high profile sites.

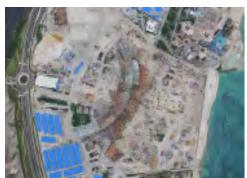
- Abatement
- Disposal
- Demolition

PROJECT PROFILE - FUEL RELEASE - IMPACTED SOIL

New Providence, Bahamas







At Cable Beach in New Providence, Bahamas, SCE was contracted to perform all field work associated with the cleanup of a 500,000 gallon fuel oil release that occurred on the future home of the \$3.5 Billion Baha Mar MegaResort. It was the largest environmental cleanup ever to be completed in the Bahamas.

SCE was responsible for the excavation, handling, stabilization and re-location of 100,000+ CY of material impacted by the release. SCE constructed large scale LLDPE & HDPE cells for storage and ex-situ treatment, installed 8,370 LF of piping for the installation of an ozone/peroxide injection system, built two 100,000 gallon holding tanks, and performed clearing and grubbing of 6 acres during Phase 1 of this project.

SCE's interaction with the various Consultants, the Bahamian Department of Health & Environmental Safety (DHS), the Government run Hotel Corporation of the Bahamas and the Bahamas Environment Science and Technology (BEST) on a daily basis was critical.

- Soil Remediation
- Ozone / Peroxide System
- Clearing and Grubbing

PROJECT PROFILE - EXCAVATION - SYSTEM INSTALLATION

Rio Hondo, TX







Objective:

Install experimental algae cultivation farm on flatlands of Texas.

Solution:

SCE is the prime contractor installing an algae cultivation test facility on an 1,880-acre parcel located at the southernmost tip of Texas in the town of Rio Hondo.

Featuring one-acre cultivation ponds and a harvesting system, the cultivation system will generate patented strains of algae targeted for use as biofuels and other strains targeted for human nutrition.

SCE crews, using GPS-guided excavation equipment, have carved the cultivation system into the flat Texas landscape. The project includes the excavation of over 13,000 cubic yards of existing grade, the installation of 70,000 sq.ft. of pad areas, 86,000 sq.ft. of road surface, and the installation of a massive network of chemical pads, sumps, pumping equipment, electrical generation pads, and a CO2 tank.

- Soil excavation
- System Installation

PROJECT PROFILE - FACILITY DECONTAMINATION

Bethlehem, PA









Dry Ice blasting with minimal residue.

Objective:

Provide facility decontamination and cleaning services to an abandoned building at the former Bethlehem Steel Plant.

Solution:

SCE was contracted to provide cleaning services for a 155,000 sq. ft. building that was built in the early 1900's and used for locomotive repairs and heavy machinery repairs for over 100 years. Specifically, SCE cleaned the metal trusses, roof panels, perlins, beams, and horizontal surfaces throughout a total of nine (9) 440'l x 40'w x 46'h bays in preparation of building a residential complex.

SCE utilized Dry Ice Blasting as an alternative to high pressure water or sand blasting. The basic premise behind the Cold Jet process is to use CO2 pellets as the media to clean surfaces similar to sand blasting or sanding. These pellets are "blasted" out of the unit similar in nature to water from a water jet or sand from a sand blasting operation. The main difference between those technologies and the Cold Jet process is that the CO2 dissipates upon impact leaving only the residual waste behind which results in a viable waste minimization process saving the client money.

- Facility Decontamination
- Dry Ice Blasting

PROJECT PROFILE - TANK CLEANING

Northumberland, PA





Objective:

Remove all remaining products from tanks, hot oil systems, and containers on site at an asphalt terminalling, storage and processing center in central Pennsylvania.

Solution:

SCE was awarded this contract for the cleaning of twenty-two above ground storage tanks containing such diverse products as asphalt, soap, Indulin, #2 Fuel Oil, Hydrolene, Kendex, waste oil, and hydrochloric acid.

The task required not only careful handling of over 10,000 gallons of various materials but also an extensive collection of safety documentation in the form of JHA's and MSDS sheets for the various chemicals on site.

SCE completed the job on time, on budget, and with no incidents or injuries.

- AST Cleaning
- Hazardous Material removal and disposal

PROJECT PROFILE - TIGHT SPACE SOIL REMEDIATION

Brooklyn, NY







An excavator installs a slide rail as part of a 35' deep excavation.

Objective:

Perform deep soil excavation and remediation at a former service station in a congested area and tight space.

Solution:

In the heart of Brooklyn at a former gas station tucked into a busy street corner, SCE completed a particularly challenging soil remediation that required excavation to a depth of thirty-five feet with a slide rail system and long-reach excavators.

Excavation and shoring had to be done in a "leap frog" style because working space was extremely limited. Notably, the excavation was within four feet of an existing building and was close enough to an underground subway structure to involve the New York City Mass Transit Authority. At the MTA's direction, SCE installed tunnel monitors to ensure that digging did not disturb the subway system near the dig.

The project was completed successfully and with no incidents or damage to surrounding properties.

- Soil Remediation
- Tunnel Monitoring
- Slide Rail Excavation

PROJECT PROFILE - PCB EXCAVATION

Bucks County, PA







Objective:

Excavate, remove and dispose 9,000 tons of PCB contaminated soils for the future development of an elderly community housing development.

Solution:

This 6 acre parcel contained construction debris and PCB contaminated soils from sandblasted swimming pool paint. The material was located in the flood plain and mud flats area of the Little Neshaminy Creek.

This project was under directive of an "Administrative Order by Consent for Removal Response Action" by the USEPA Region III.

The general scope of work required initial site preparation including access restriction, implementation of erosion and sediment control measures, construction of a decontamination pad, tree removal, and road construction. Over 9,000 tons of soil was excavated and disposed in accordance with applicable Federal and State regulations.

The extremely successful project was completed 25% under budget by SCE and on schedule. Cost savings to the client exceeded \$764,000 as a result of SCE's recommendations and flexibility on site. All confirmatory sample results were "non-detect".

SERVICES PROVIDED

PCB Excavation

PROJECT PROFILE - TANK REMOVAL

Ceiba, Puerto Rico







Objective:

Remove tanks from the former Unites States Navy NAPR Naval Station at Roosevelt Roads, Ceiba, Puerto Rico.

Solution:

In Ceiba, Puerto Rico, SCE crews performed remedial actions at Solid Waste Management Unit (SWMU) 9 at the United States Navy's NAPR at Roosevelt Roads Naval Station. As part of the Navy's Base Realignment and Closure (BRAC) Program, this property is to be converted into a civilian airport.

The scope of work included the removal of two 50,000 gallon and four 250,000 gallon pre-stressed concrete petroleum storage tanks along with three fiberglass petroleum underground storage tanks.

The work was conducted within a secure area and all SCE personnel were required to follow Navy security. In a first for the company, safety dictated an onsite beekeeper to minimize crew exposure to Africanized honey bees.

- Tank Removal
- Demolition

PROJECT PROFILE - LANDFILL CLOSURE AND COLLECTION SYSTEM

Columbia, SC







Synopsis:

SCE Environmental was the prime contractor for the final remedial action at an abandoned landfill. The 9.76-acre landfill accepted volumes of sewage and industrial sludges containing hazardous substances during its period of operation in the mid-1900's. The project required the excavation, relocation and recompaction of 70,000 cubic yards of trash which was performed entirely in Level B PPE. The landfill was then capped with 40 mil textured VLDPE liner and a geocomposite drainage layer.

Site work included clearing and grubbing; borrow area preparation and excavation; construction of an access roadway and pavement, and riprap ditches and gabions; removal of sediments from a sedimentation basin; construction of a permanent detention basin structure; and site restoration and seeding.

Additionally, SCE's crews installed 13,000 LF of Leachate piping system using 10" HDPE perforated pipe, 3 pump stations and clean outs. A track mounted "Fast Fusion" machine was utilized to fuse all piping on site. This mobile polyethylene pipe fusion machine incorporates an enhanced cooling system that has dramatically increased the production capacity and the number of fusion welds produced per hour over any other machine offered in the industry. The use of the fast fusion machine was critical due to the hazardous waste that would have been encountered by the fusion operators on the ground.

- Landfill Closure
- Waste Relocation
- Install Leachate Collection System

PROJECT PROFILE - AIRPORT FUEL FARM

JFK International Airport, Queens, NY







Objective:

Provide operational support and maintenance service for airport fuel farms.

Solution:

SCE is the Prime Contractor on a multi-year contract for the operation and maintenance of the bulk fuel farm and satellite fuel farm at the John F. Kennedy Airport in New York. This \$3MM multi-year contract provides remediation services for jet fuel release at both fuel farms as well as maintenance of pumping equipment at the site.

SCE has engaged local unions for the staffing required to perform these services.

In addition, SCE has been utilized for additional work at the airport including the trenching of a service road for the purpose of installing underground utilities.

- Soil remediation
- Operation and Maintenance
- Excavation

PROJECT PROFILE - LAGOON CLOSURE PROJECT

Columbus, OH







Synopsis:

SCE was contracted to provide closure services of a RCRA Solid Waste Management Unit (SWMU) in Columbus, OH in several Phases over a six (6) year period. Approximately 7-acres of the 55-acre property had been impacted by a former chemical processing operation. An on-site SWMU held approximately 30,000 CY of contaminated material that was posing an immediate risk to a nearby creek.

SCE excavated in excess of 29,300 CY of lead-contaminated and F-Listed waste from the SWMU. A nearby roadway was shored to allow undermine excavation activities. Hazardous and non-hazardous waste streams were segregated utilizing on site cell construction. SCE placed and compacted 115,310 CY of backfill material in accordance with the pond abandonment plan. In addition, SCE self-performed the installation of a series of diversion trenches and storm water management channels along with a sanitary sewer and water main during phase 4 of the Project.

A total of 8,760 tons of lead contaminated waste was segregated, collected, stabilized and disposed at an offsite non-hazardous landfill. Not a single post-stabilization sample exceeded the TCLP lead hazardous waste threshold of 5 mg/L. The onsite stabilization approach represented a savings in excess of \$1,100,000 compared to the transportation and disposal of unstabilized hazardous waste.

- Lagoon Stabilization and Closure
- Soil Excavation

PROJECT PROFILE - SOIL AND SEDIMENT REMOVAL

Parris Island, SC





Synopsis:

In response to an Installation Restoration Program mandate to clean up military bases, SCE remediated a former 10-acre landfill and adjacent marsh at the Marine Corps Recruiting Depot, Parris Island, South Carolina. The site was contaminated with industrial wastes, pesticides, POLs, PCBs, solvents, ordnance compounds, metals, paint thinners, diesel fuels, kerosene, and methyl chlorides as a result of incineration activities. SCE characterized, remediated, and capped the landfill, and restored marshlands to their native condition.

To provide access to the removal area, SCE installed a bridge roadway that traversed the mudflats on site. This roadway was built over unsuitable materials, using a floating interlocking section bridge to withstand loaded truck traffic.

Additionally, SCE constructed a tidal dam to control the migration of tidal waters into the excavation areas. As a value engineering alternative, SCE proposed the installation of a 6' temporary tidal dam system consisting of 1 CY sandbag blocks. The bottom level of the dam was two blocks wide to support the upper, single-block row. An impermeable liner was draped on top of the dam and anchored into the sediment to create a water free zone. SCE designed and constructed a sediment filtration system that ensured no contaminated sediment remained in the water that was pumped from the excavation area to the marsh. SCE handled and pumped over 406,000 gallons of water on this project. The value engineering of the temporary "dam block" represented a savings of \$304,780 over conventional shoring or sheet piling.

SCE excavated and handled 12,360 CY of impacted materials that were stock-piled or loaded directly into transporters. Once the areas were excavated and post-excavation samples were confirmed, SCE backfilled the areas using the sand from the "dam blocks". Excavation and backfill work was completed with a long reach excavator and swamp mats.

In certain areas, SCE installed sheet piling to eliminate water infiltration and cross contamination. Some excavation areas extend into the Spartina salt marsh which was revegetated with nursery grown Spartina after completion. This project was completed on schedule and under budget without incidents or accidents.

SERVICES PROVIDED

- Soil and Sediment Removal
- Temporary Bridge and Road Installation
- Value Engineering

Confidential information. Not for public consumption.

PROJECT PROFILE - DEMOLITION AND DISMANTLEMENT

Mountaintop, PA







A crane removes a portion of the penthouse air handling system.

Objective:

Dismantle and remove an entire penthouse air handling facility from an active semiconductor plant in Northeastern, PA.

Solution:

SCE removed the entire contents of the penthouse facility as well as the surrounding support equipment from the rooftop of this 500,000 sf. building. The eight (8) month project was completed in conjunction with the United Steel Workers (USWA) Local 15253.

Over 30 employees worked in excess of 476,000 hours without an accident. SCE utilized a 275 ton hydraulic crane to remove items that weighed in excess of 24,000# from the roof and inside the penthouse. SCE also operated a scrap and salvage operation on site to market and sell items of value. SCE also utilized a 175 ton hydraulic crane, a 200 ton lattice boom crane, and a 70 ton hydraulic crane for other strategic picks.

This very successful project was completed on time and on schedule by SCE without accident or incident. Notably, this project was completed at a plant that employed in excess of 300 employees without disruption.

- Dismantling
- Demolition
- Decommissioning

PROJECT PROFILE - SUPERFUND SITE EX-SITU SOIL

Milford, NH







Synopsis:

SCE was retained to remediate 2,500 cubic yards of soil impacted with Trichloroethylene (TCE), Perchloroethylene (PCE), and Dichloroethylene (DCE). This Superfund Site, located in Milford, New Hampshire, posed the additional challenge of a short performance window and substantial liquidated damages in the underlying Pay-for-performance contract.

Faced with a deadline of three months to complete remediation to NHDES soil remediation standards, SCE installed HypeAir-EX continuous injection technology utilizing ozone and hydrogen peroxide along with an SVE System to induce uniform gas flow and to aid in ozone distribution.

The crew constructed two 20' x 220' x 4' cells with liner and piping system and operated the SVE System and Ozone injection. Satisfactory levels were achieved in 2 months and represent over \$350,000 cost savings as compared to landfill.

- Soil and Sediment Removal
- Temporary Bridge and Road Installation
- Value Engineering

PROJECT PROFILE - SVE/AS REMEDIATION SYSTEMS







A portion of the installation of a 450' trench network.

SCE has extensive experience in the installation of Soil Vapor Extraction and Air Sparge (SVE/AS) remediation systems. These systems are designed to remediate absorbed- and dissolved-phase hydrocarbons detected in site soil and groundwater. Projects typically include the installation of system wells and related subsurface conveyance pipes, the construction of an equipment compound, the installation and connection of the various components related to the system, electrical connections to the system, and waste management.

Recent SVE/AS installations include:

Location	System Summary
Rego Park, NY	Install SVE/AS system with 9 wells, 350' of trench, all equipment and concrete pad.
Queens, NY	Install SVE/AS system with 8 air sparge wells, 8 SVE wells, and 250' of trench.
Manhattan, NY	Install SVE/AS system with 10 wells, 300' of trench, all equipment and concrete pad.
Ft. Montgomery, NY	Install SVE/AS system with 26 wells, 450' of trench, all equipment and concrete pad.

PROJECT PROFILE - TETRACHLOROETHENE

Tampa, FL August, 2014







Objective:

Remove soil contaminated beneath the concrete slab of a Dry Cleaning operation on the ground floor of a Luxury Hotel.

Solution:

SCE was awarded this contract to remove soils impacted with dry cleaning chemicals that had seeped into the soil below the concrete slab of the building and below the loading dock associated with the cleaning facility.

The operation consisted of removing a concrete wall so as to provide access to the contamination area, the removal of the concrete slab covering the contaminated soil, removal and disposal of soils impacted by tetrachloroethene to a depth of six feet below the slab, and complete restoration of the site.

Work was completed with minimal impact to the ongoing operations of the hotel. Careful coordination of the movement of equipment and materials ensured that hotel employees and guests remained safely away from the operation.

- Removal of Contaminated Soil
- Restoration

PROJECT PROFILE - INADVERTENT RETURN

Montrose, PA



April 2012





Objective:

Protect stream crossing from an inadvertent return.

Solution:

SCE was contracted to perform emergency response to a Horizontal Directional Drilling ("HDD") incident involving the inadvertent return of drilling lubricants.

The HDD procedure uses a fine clay bentonite slurry as a drilling lubricant. Bentonite is non-toxic and commonly used in farming. However, if discharged into waterways, it poses a smothering threat to benthic invertebrates, aquatic plants, fish and their eggs.

When the inadvertent return threatened a nearby stream, SCE crews mobilized quickly. Working 7 days per week and 14 hours per day, the team provided stream diversion and pump around, cofferdam construction, excavation, removal and restoration of the affected area.

Work was completed without incident or accident.

- Emergency Response Oil and Gas
- Stream Relocation



How We See It ... A Letter From Jody Cordaro, President

The little guy in the photo is not only my favorite equipment operator at SCE, he's also my son. And as I watched him busily dig into the makeshift rock quarry of a local amusement park, I was reminded of some rather profound realities.



This stuff we do with energy services and environmental remediation is more than earning a living; more than a paycheck. What we are doing is finding energy to power

the future, cleaning up old sins of many generations, handing over a scarred but healing planet to my son and his sisters, your children and grandchildren, and the rest of their generation. Every source of energy protects their future. Every bucket of contaminated soil, every flake of lead paint, and every fiber of asbestos that we carefully quarantine is that much less to which they'll be exposed.

Sure, it's a business. We worry about margins, and scopes of work, and procedures and protocols. We sweat over RFP's, haggle with schedules, and wonder how we'll meet this deadline or that budget. But underneath it all, this is important stuff. It transcends business. We need to get this right.

So to you, my partners in this industry of the environment, thank you for making the planet better for our kids and their brethren. It is a legacy that will survive long after financial statements and Gantt charts have been forgotten. We should all look with pride at this effort we make for the generations to come.

Sincerely, Jody Cordaro, President



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