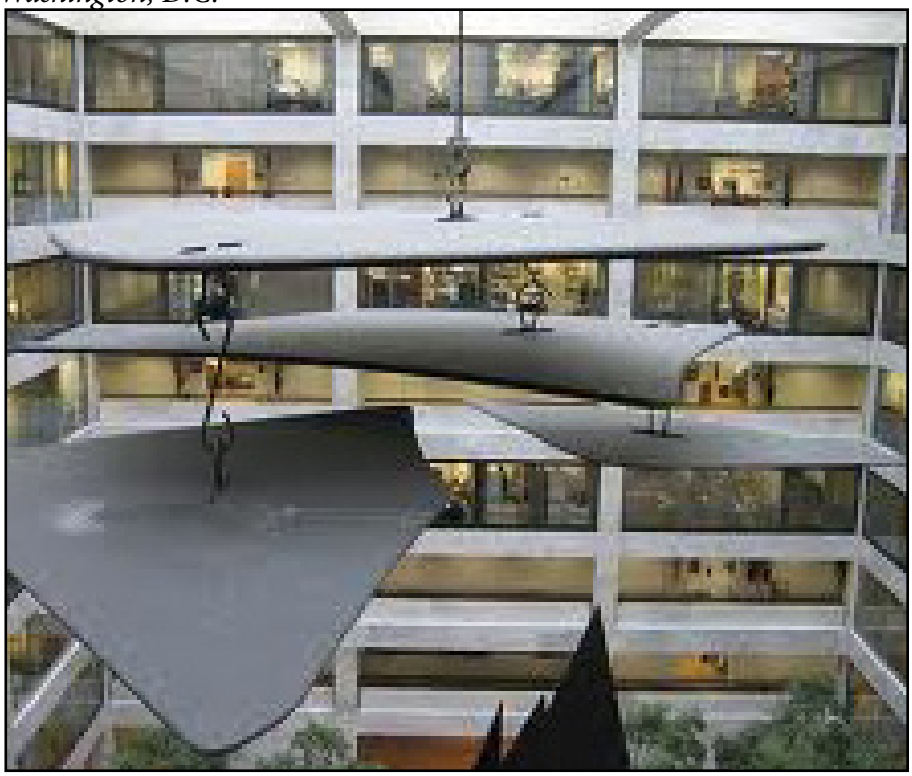
Project Profile - Anthrax Decontamination

Washington, D.C. *November 2001 - January 2002*



Hart Senate Office Building, Washington, D.C.

Objective:
SCE was contracted to provide sampling and decontamination efforts associated with High Profile Anthrax decontamination at the Hart Senate Office Building in Washington, DC.

Results:
When an Anthrax-infected letter arrived at the 5th Floor office of Senator Thomas Daschlel, the Hart Office Building became the subject of a massive and immediate decontamination effort.

SCE decontaminated eight floors of the 200,000 square foot office building. Crews installed and constructed a Chlorine Dioxide bomb system. In addition, SCE cleaned and decontaminated the entire building. Crews worked 24 hours per day in order to expedite the cleaning and return workers to their offices.

United States Senators returned to work in the building after successful sample results. All areas were re-opened and returned to business and SCE was commended by Prime Government Contractor for "exceptional support" during the project duration.

Services Provided

- Emergency Decontamination

SCE

SCE Environmental Group, Inc.

Project Profile - World Trade Center

New York, NY

Sept 12, 2001 - Feb 2002

World Trade Center following 9/11 Terrorist Attack

Objective:
Provide support for decontamination and demolition efforts following the September 11th, 2001 World Trade Center tragedy. This project was conducted in accordance with City of New York Mayor's Office of Emergency Management and FEMA.

Results:
Approximately 16 acres of Manhattan was impacted by this terrorist activity that included surrounding office buildings. SCE's efforts consisted of the decontamination of emergency personnel associated with the clean up, decontamination of equipment and vehicles working at Ground Zero, decontamination and cleaning of adjacent private office buildings affected by the airborne dust particulates, as well as the physical segregation of debris at Ground Zero.

With the deployment of over 80 HAZMAT personnel to these unexpected conditions, SCE crews worked 16 hours per day, 7 days per week under very adverse environments. SCE was commended by the US Coast Guard, City of New York Mayor's Office of Emergency Management, FEMA, and the USEPA for the "diligence and support" given throughout the project.

Services Provided

- Emergency Decontamination
- Demolition

SCE

SCE Environmental Group, Inc.

Project Profile - Transmission Line Tower Demolition

Northeastern Pennsylvania *Date: April 2013 - August 2013*

A transmission tower awaiting shearing.

Objective:
Demolish a series of one-hundred fifty foot tall transmission line towers throughout Northeastern Pennsylvania.

Solution:
PPL Electric Utilities of Pennsylvania and Public Service Electric and Gas Co. of New Jersey, began 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 old transmission towers coated in lead paint.

The project, which involved shearing the 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, using hydraulic excavator-mounter shears and magnets, SCE crews dismantled, sheared and shipped the towers for proper disposal.

This phase of the project finished on schedule and with no injuries.

Services Provided

- Lead Abatement
- Demolition
- Tower Shearing

SCE

SCE Environmental Group, Inc.

Project Profile - Slurry Wall / Deep Soil Mixing

Port Jervis, NY *Date: June 2013 - November 2013*

Deep soil mixing equipment mixes soil and concrete to form a barrier slurry wall.

Objective:
Install a 900 Linear Foot slurry wall at a railroad yard in Port Jervis, NY.

Solution:
The project site is a municipally-owned parcel situated at the northern corner of the downtown Central Business District of Port Jervis, NY. Notably, the site is also the location of the Erie Turntable, one of the last remaining railroad turntables in the northeast.

The primary purpose of this NYDEC project is to control the property's petroleum plume from migrating off-site. The 13,500 square foot slurry wall was constructed using deep soil mixing. The area was very narrow with a residential neighborhood nearby.

Site limitations required direct backfill of the wall to allow access for construction equipment.

Services Provided

- Slurry Wall Installation
- Deep Soil Mixing
- Soil Remediation

SCE Environmental Group, Inc.

Project Profile - Row Home Demolition

Chester, PA

Date: Sept. 2010 - January 2011

Demolition clears the way for a new develoment.

Objective:
Demolish 214 Row Homes and install new infrastructure for a new townhome development on the I95 corridor near the Commodore Barry Bridge.

Solution:
SCE was contracted to demolish the Row Homes and install new infrastructure on an extremely fast track. Crews worked 14 hours per day, 6 days per week to acomplish this monumental task. An average of 3 homes per day were prepped and demolished and their footers were removed and backfilled. All masonry materials were crushed on site for reuse during development. In addition, over 36,400 cubic yards of debris were processed and loaded for off-site disposal.

SCE installed sanitary sewer, water, gas and storm sewer infrastructure for the project in sequence with the demolition effort. SCE also installed the underground stormwater collection system.

The project was completed on time and with over 9,300 accident and injury free hours.

Services Provided

- Demolition
- Infrastructure Installation
- Site Work

SCE Environmental Group, Inc.

Project Profile - Row Home Demolition

Allentown, PA

June 2006 - August 2006

The 322 row homes of Hanover Acres were heralded for their affordability during the Great Depression.

Objective:
Total demolition of 322 homes and site improvements.

Solution:
SCE employed an aggressive project schedule (approximately half the time of other bidders). Crews set up an onsite crushing operation that ran six days per week, 12 hour per day to meet the project schedule and the needs of the client. To maximize the amont of debris removed daily, SCE coordinated with multiple landfills and their PADEP permit requirements.

Throughout the project, dust was an issue because of the proximity of the demolition to the nearby residences. SCE employed five (5) water trucks throughout the project to ensure dust was minimized and the project was performed according to specifications.

SCE completed this project ahead of schedule and within 1% of the budget. The company was subsequently awarded two other demolition contracts in later phases.

Services Provided

- Demolition

SCE

SCE Environmental Group, Inc.

Project Profile - Rosehill Cemetery

Linden, NJ

Date: February 2013 - April 2013

Tombstones remain untouched awaiting fresh sod to replace contaminated soil.

Objective:
Restore a portion of a century-old cemetery after a storm surge from Hurricane Sandy deposited oil onto the surface of the cemetery.

Solution:
SCE was the Prime Contractor on this sensitive project to remove the contaminated surface of a cemetery and restore the grounds to pristine condition.

SCE excavated 3" to 24" inches of surface soil over an area in excess of 150,000 square feet. Maintaining the dignity of the area, SCE worked around all tombstones, marking pins, and survey stakes to ensure nothing was disturbed. As a rule, each day's excavation was backfilled, graded and resodded before the end of that day.

On the average, SCE excavated approximately 8,000 square feet per day. The project was completed successfully and within the completion date. Notably, there were no accidents or injuries in over 5,000 man hours.

Services Provided

- Soil Excavation
- Sodding

SCE

SCE Environmental Group, Inc.

Project Profile - RCRA Landfill

Throop, Pennsylvania

Aerial View: Former battery recycling facility.

Objective:
Excavate over 290,000 CY of lead impacted soils and construct an on-site 9.5 acre landfill cap system at a former lead battery recycling facility.

Solution:
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.

Services Provided

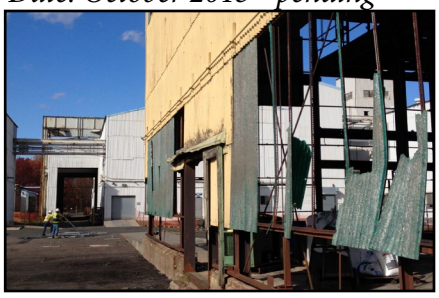
- Soil Excavation
- Capping
- Lead Abatement
- Remediation
- Stabilization

SCE

SCE Environmental Group, Inc.

Project Profile - Plant Demolition/Abatement

Avenel, New Jersey *Date: October 2013 - pending*



Objective:
Demolish eight major structures, tanks, silos, pipelines and rails used at former chemical manufacturing plant.

Solution:
SCE serves as Prime Contractor for this demolition project featuring a diverse collection of structures, materials and hazardous materials. Asbestos abatement plays a key role in the process.

The structure is being demolished into small manageable pieces. After the removal of utilities, the roof structure will be dismantled and removed. Walls are being "surgically" removed and "laid down" into the middle of the building. Per project requirements, no walls are allowed to fall outside of the building footprint. The surgical demolition will be performed wall-by-wall, folding it in on itself. A water truck is on-site to prevent dust migration.

After the removal of the extensive infrastructure, SCE will remediate soil as necessary, grade, topsoil and hydroseed the entire site.

Services Provided

- Controlled Demolition
- Asbestos Abatement
- Soil Excavation
- Remediation

SCE

SCE Environmental Group, Inc.

Project Profile - Philadelphia Gas Works

Philadelphia, PA

Date: Ongoing

Objective:
Remediate, remove and dispose asbestos containing materials, lead based paint, and mold from Philadelphia Gas Works facilities on an as needed basis.

Philadelphia Gas Works provides natural gas service to approximately 502,000 active accounts within the city of Philadelphia, using 6,000 miles of gas mains and services. PGW is the only utility currently distributing natural gas within the city of Philadelphia, and its mission is to provide safe, reliable natural gas service to the citizens of Philadelphia at a reasonable cost.

Under this multi-year contract, SCE provides abatement services as needed to the following PGW properties:

- The main campus comprised of four (4) buildings;
- Two (2) active natural gas processing and distribution facilities:
- Richmond Plant (3100 East Venango Street);
- Passyunk Plant (3100 West Passyunk Avenue);
- Tioga Facility (3000 East Venango Street);
- Three (3) outlying stations;
- Six District Offices;
- Nine gate stations.

Services Provided

- Asbestos Abatement
- Lead Abatement
- Mold Abatement

SCE

SCE Environmental Group, Inc.

Project Profile - Service Station Demolition

New Rochelle, NY *October 2011 - March 2012*

LEAD-SAFE EPA CERTIFIED FIRM

NAT-10857-1

A collapsed roof containing ACM and a common wall complicate demolition efforts.
Upper right: completed project.

Objective:
Demolish high risk Gas Station and remediate land.

Solution:
SCE was contracted to demolish a former gas station in downtown New Rochelle, NY. Of particular concern was the building's collapsed roof. Asbestos had fallen into the building and the roof's instability prevented normal entry. To remove the asbestos, the roof was removed by men working from boom lifts and then abatement crews entered the building and removed all ACM.

With the ACM removed, the crew turned to demolition. Here the challenge involved a common party wall with an adjacent restaurant and apartment building. Supporting the party walls with steal beams, the crew demolished the building by hand with small chisel hammers while working from man lifts.

A lead abatement team turned to the paint of the party walls. Paint was manually scraped, collected and properly disposed until the wall met facility approval standards.

With demolition complete, SCE excavated 1,200 tons of contaminated soil, backfilled in one foot lifts, compacted to 95%, and verified compaction with nuclear testing. Grass, shrubs, and fence completed the remediation. This high risk project was done on time, on budget, and accident free.

Services Provided

- Demolition
- Excavation
- Facility Decontamination
- Asbestos Abatement

SCE

Project Profile - Demolition and Dismantlement

Mountaintop, PA *February 2004 - September 2004*

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.

Services Provided

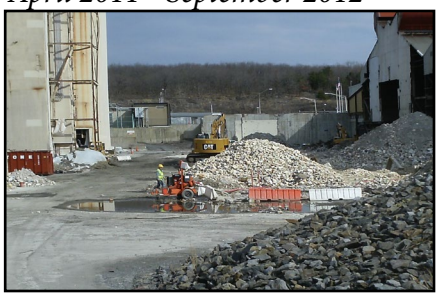
- Dismantling
- Demolition
- Decommissioning

SCE

SCE Environmental Group, Inc.

Project Profile - Facility Demolition

Jenkins Township, PA *April 2011 - September 2012*



Demolition efforts at former Picture Tube Manufacturing Facility

Objective:
Large scale excavation and demolition of a One Million SF Picture Tube Manufacturing Facility.

Solution:
SCE served as Prime Contractor on this $6.5MM demolition project which included:

Demolition of three large (190,000 SF) furnace structures, head houses, batch houses, precipitators, cat walks, furnace canals, and furnace checkers.
Transportation and disposal of 27,000 tons of contaminated bricks.
Implosion of 150' smoke stacks and recycling of over 3,500 tons of steel
Disposal of over 1,000 tons of numerous chemicals.
Importation of over 12,000 CY of structural fill.
Construction of a 400' concrete formed retaining wall.
Dewatering of over 300,000 gallons of impacted water (including the design and implementation of a portable on-site treatment sys tem).
Decontamination of two 140' silos with 14 holding compartments in each.
Excavation, management and solidification of over 21,000 tons of impacted soil for off-site disposal.
Segregation and off-site disposal of over 7,000 tons of radiological material.
Abatement of Asbestos Containing Materials.

The project was completed on schedule, within budget, and without injuries.

Services Provided

- Demolition
- Excavation
- Facility Decontamination
- Asbestos Abatement
- Dewatering

SCE

SCE Environmental Group, Inc.

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.

Services Provided

- Emergency Response - Oil and Gas
- Stream Relocation

SCE

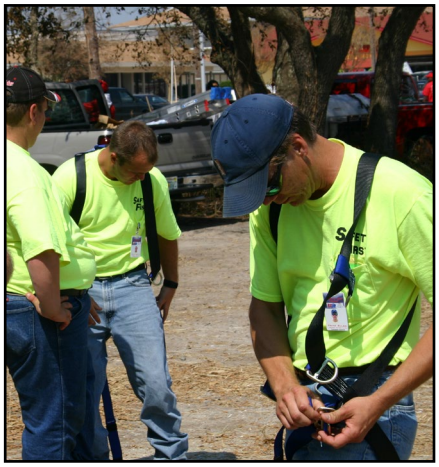
SCE Environmental Group, Inc.

Project Profile - Hurricanes Charley and Ivan

*Ft. Walton **B**each, FL*

September 2004 - November 2004

Boats line the water's edge as the storm surge subsides.



Objective:
Provide temporary roofing and tarping of homes throughout Florida affected by the Hurricanes.

Solution:
SCE deployed 122 workers from Pennsylvania to Florida within 4 days of the hurricanes. SCE performed temporary tarping of residential and commercial properties under Air Force Center for Environmental Excellence (AFCEE), Army Corps of Engineers Jacksonville District and the Federal Emergency Management Agency (FEMA) contracts.

SCE crews covered over 125,000 sq. ft. per day for a total of 4.3 Million Sq. Ft.

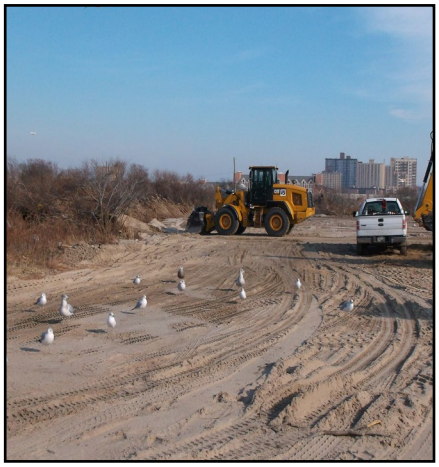
Services Provided

- Emergency Response

SCE Environmental Group, Inc.

Project Profile - Hurricane Sandy

New York, New Jersey Metro Area *Date: October 2012-January 2013*



Top Right: SCE assists the National Park Service with an on-beach whale autopsy.

Objective:
Provide disaster relief and debris removal related to Hurricane Sandy.

Solution:
Within hours of the hurricane, SCE responded with debris removal and demolition activities throughout New York and New Jersey. SCE provided services including demolition, ACM removal, debris removal, and hauling. Notably, SCE was contracted to perform the debris removal from Bay Street Landing in Staten Island, NY as well as the Right of Way, Right of Entry, Private Property Demolition Removal and ACM Demolition of structures throughout the Boroughs.

Additionally, SCE provided curbside debris removal throughout Breezy Point, Roxbury, Far Rockaways and Rockaways NY. SCE managed the debris collection, loading, and transportation to centralized processing centers (TSS) throughout NY and NJ.

SCE's crews completed the clean up of the 9/11 memorial located in Roxbury, NY as well as provided equipment and crews to assist the National Park Service at Gateway National Recreation Area in a whale autopsy and disposal at Breezy Point.

SCE was the prime contractor at the Rosehill Cemetery project in Linden, where a portion of the century-old burial ground was inundated by an oil-rich tidal surge from the Hurricane that flushed from a nearby Refinery.

At one point, SCE has over 100 workers and 38 pieces of equipment throughout NY and NJ.

Services Provided

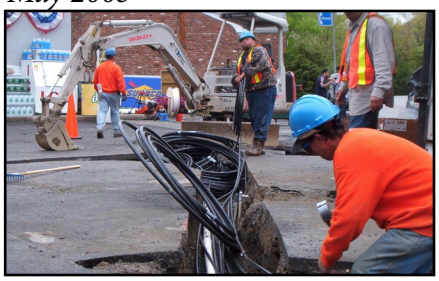
- Emergency Response
- Demolition
- Debris Removal
- ACM Abatement
- Hauling

SCE

SCE Environmental Group, Inc.

Project Profile - Oxidation Remediation

Ft. Montgomery, NY *May 2003*



A portion of the 450' trench network.

Objective:
Installation of an Ozone Oxidation Remediation System for subsurface groundwater and soil contamination.

Solution:
SCE installed a 26 well Ozone Oxidation Remediation system in a retail setting. This in situ chemical oxidation process utilized ozone (O3), hydrogen peroxide (H2 O2), oxygen (O2), and air delivered into the subsurface via nested injection points. The chemical oxidation process results in the rapid degradation of dissolved contaminants including benzene, toluene, ethyl benzene, and xylenes (BTEX); naphthalene; methyl tert-butyl ether (MTBE); tert-butyl alcohol (TBA); and chlorinated solvents.

This system is capable of delivering high concentrations of ozone gas (up tp 100,000 ppmv) at elevated flow rates as compared to many other ozone injection systems. This allows ozone to be effectively distributed to the subsurface.

SCE installed the system in a 450 foot trench. Company technicians performed the excavation, piping, backfill, fence compound installation, bollard installation, concrete work, T&D, and paving on-schedule and under budget.

Services Provided

- Remediation System
- Tank Removal
- Demolition

SCE

SCE Environmental Group, Inc.

Project Profile - Former Truck Complex

Carteret, NJ *June 2010 - December 2010*

Objective:
Demolish and remediate a former truck complex at petroleum facility.

Solution:
SCE was retained by one of the largest pipeline and energy storage companies in North America to demolish and decommission a truck maintenance and wash complex located on a 197 acre active petroleum bulk terminal facility.

Work included asbestos abatement, tower demolition, tank cleaning and removal, utility relocation, HAZMAT abatement, and other demolition and decontamination efforts. Due to structural instability, the company performed demolition activity pursuant to state-dictated variance guidelines.

Over 41,000 tons of soil were excavated and handled. 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.

Services Provided

- Demolition
- Asbestos Abatement
- Decontamination
- Soil Excavation
- Soil Stabilization
- Dewatering

SCE

SCE Environmental Group, Inc.

Project Profile - PCB Excavation

Bucks County, PA

August 2006 - December 2006

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

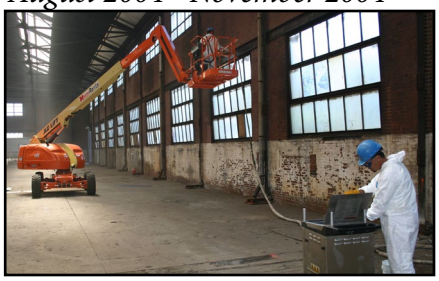
SCE

SCE Environmental Group, Inc.

Project Profile - Facility Decontamination

Bethlehem, PA *August 2004 - November 2004*

The interior of one of nine bays - each 440' long.



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.

Services Provided

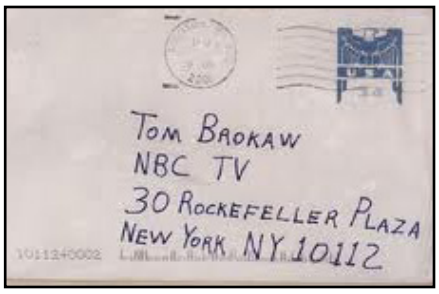
- Facility Decontamination
- Dry Ice Blasting

SCE

SCE Environmental Group, Inc.

Project Profile - Anthrax Decontamination

New York, NY *October 2001 - November 2001*



Offices of NBC Broadcasting at Rockefeller Center, NY, NY

Objective:
The decontamination and clearance associated with Anthrax contamination at the NBC offices at Rockefeller Center in New York City.

Results:
SCE was contracted to provide decontamination efforts associated with an Anthrax attack at the NBC offices at Rockefeller Center in New York City. Approximately 18,000 sq. feet of office space was in jeopardy from an infected letter sent to an NBC worker.

SCE decontaminated over 56 individual offices. The cleaning and decontamination of the entire building HVAC system, along with the physical cleaning of every office was part of SCE's scope utilizing Sandia Foam and Chlorine Dioxide as cleaning agents. Crews worked 24 hours per day in order to expedite the cleaning and return workers to their offices.

Upon completion, confirmatory sampling detected no Anthrax. Workers were allowed to enter the building after the CDC confirmed negative split sampling results.

Services Provided

- Emergency Decontamination

SCE

SCE Environmental Group, Inc.