

Waste is a Terrible Thing To Mind ...

**SCE Environmental Group, Inc.**

Jersey City, NJ

Uniondale, NY

Washington, PA

Lake Ariel, PA

Nicholson, PA

## Under the Big Tent.

*Latest Phase of Demolition Project requires massive vapor containment.*

In the first quarter, SCE crews completed the interior demolition and decontamination of a 160,000 square foot, four-story facility in New York State. The 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. SCE removed 200 tons of non-hazardous waste and 150 tons of hazardous waste, all of which had to be sampled, characterized, profiled, handled, managed and

*SCE Crews construct an 8,000 square foot tent to enclose harmful vapors during extensive soil remediation effort.*

ultimately disposed in accordance with state and federal law. In addition to removing over 350 tons of waste, crews also removed and replaced all lead based paint windows with plywood, and demolished a 1 story building that was constructed atop five underground storage tanks. The building was removed by hand and recycled.

Following the successful demolition effort, SCE was retained for additional phases. Included is a very challenging soil excavation project that has grown from an initial 1,850 tons of soil to nearly 4,000 tons. The first step in the process required the installation of sheet piling around the entire excavation area. Whalers and

rakers provided support and toe pin anchors ensured that the sheet piles stayed in place along the exposed bedrock. A portion of the excavation additionally required a slide rail shoring system to stabilize a smaller area between two buildings at the site.

The challenge did not end there. Due to the nature of the contamination, soil disturbed during excavation released a very strong odor that had to be contained. To solve the challenge, SCE crews installed a massive eight thousand square foot tent structure measuring over 40 feet

*Continued on page 2*



# Under the Big Tent.

*Continued from page 1*

high at its peak. The tent is air tight with massive air handlers designed to capture the vapors in carbon filters. “Our challenge,” advises John Lawrence, Assistant Project Manager, “is to move sufficient air through the filtration system to protect the environment and our crew.” Air in the entire tent structure was filtered over four times per hour.

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.



*Purification Systems with carbon filtration scrub air captured under tent.*



demolition of a 1,100,000 sq ft manufacturing plant on prime commercial real estate to prepare the land for future development.

From project inception, safety played a key role. All SCE crew members on site were certified not only in OSHA 40, but also the LPS behavior-based safety system. Throughout the project duration, a site safety officer constantly monitored crew activities and site conditions to make sure safety remained at the forefront. As a result, after more than 35,000 crew hours, and a grueling winter, the project had zero OSHA recordable incidents.

## SCE Receives National Safety Award. *Bradican accepts award at Baltimore ceremony.*

In November, Director of Client Services, Bill Bradican, attended the annual “Best Projects” awards ceremony in Baltimore, MD, conducted by Engineering News-Record Magazine and was presented with a Safety Award by the nationally acclaimed publication. The ENR Best Projects contest is an annual juried competition featuring entries from across the country and across the construction industry. SCE’s award winning effort involved one of the company’s largest projects in 2015, the complete



*Little remains of a 1,100,000 sq. ft. factory.*



# SCE Awarded Rock Crushing Contract.

*Project represents expansion into new market.*

In Jersey City, NJ, SCE has partnered with a developer to process crushed rock from construction projects including tunnels, roads and bridges in New York City and New Jersey. Using McCloskey crushing equipment, SCE generates four different types of aggregate for resale at a production rate of 10,000 tons per month.

Admittedly, the project is a bit outside the company's

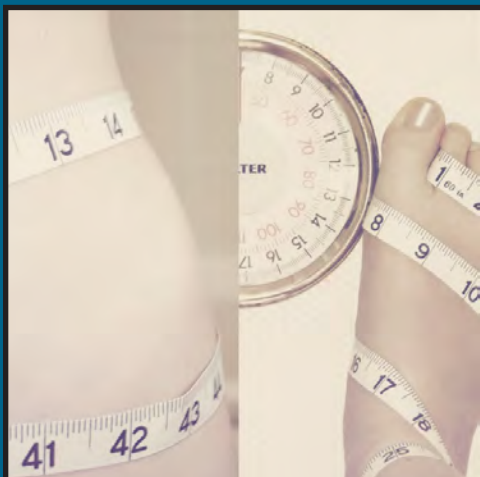


*A McCloskey C44 (above) and a J50 (left) produce four grades of aggregate from stone transported to the crushing site.*



remediation roots. "We learned hard lessons in 2014 when we stepped outside our comfort zone," notes Sr. Cost Estimator, Jack Spear, "but the answer is not to retreat - the answer is to expand in a controlled manner." The rock crushing effort is a prime example of the controlled growth that dictates the company's expansion philosophy.

***Did You Know?*** SCE's Management Team represents over 100 years of experience in Environmental Remediation. Team members have performed work in virtually every state in the United States and at numerous International sites as well. Collectively, the team has managed over \$1 Billion in remediation contracts.



## SCE Team: Less is More

*Participants down over 160 lbs.*

Combining friendly competition with a healthier lifestyle, SCE's employees are in the midst of a weight loss challenge that calls for weekly weigh-ins, penalties for missing milestones, and the promise of a fantastic getaway for the winner. Company President, Jody Cordaro, spearheads the effort. Each week, in stocking feet and with empty pockets, he weighs in with the rest of the participants. He notes, "We've made this effort to get healthy not only fun, but a real bonding experience among our team."

*Continued on page 4*

# SCE Team: Less is More

*Continued from page 3*

The friendly rivalry goes beyond the scale located in the corporate training center and beyond the standard work week. Emails from Cordaro can arrive any time calling for an impromptu spin class at the local gym, or a chance to get advice from a nutritionist. Purchasing Manager, Lauren Delguercio, runs the competition. "With a vacation for two as the grand prize," she notes, "Friday weigh-ins are pretty intense!"

The effort is paying dividends. Midway through the program, participants have lost a combined weight of 161.2 pounds, learned nutritional lessons, and remained dedicated to a new and healthier lifestyle.

## A Season of Giving Back.

*SCE Volunteers Donate to Local Causes.*

SCE employees gave their time and opened their wallets like never before in 2015. Marley's Mission is a non-profit organization that provides equine-based therapy free of charge to children, and their families, who have experienced trauma. Throughout the year, SCE employees volunteered their weekends to help maintain the Mission's grounds and stables.



*Project Manager Assistant, Steve Button, prepares Chicken Parmesan for Christmas dinner.*

tries in Northeast Pennsylvania.

The Holiday Season was especially busy. Free Christmas Trees were delivered to appreciative elderly and disabled folks whose homes would have lacked this essential symbol of the season. At the Veterans Center, where Santa's wish lists included such basics as a Christmas card, SCE employees delivered gifts for many veterans who had given so much to their country and now asked so little in return. A local elementary school was the destination of SCE's very own Santa Claus bearing winter hats and gloves for over 200 students. And at



*SCE's giving team included Jack Spear, Mariah Wheeler (nice antlers!), John Lawrence, Jim Gavigan, Bob Lintott, Jennifer Aulizio, Lauren Delguercio, Dean Argenta, and Steve Button, just to name a few.*

another local school, needy families found gifts under their tree where none would have been.

Two young women draw special praise. Coordinating all of these efforts throughout the year were Mariah Wheeler (SCE's most senior employee), and Lauren Delguercio (one of SCE's 2015 rookies). Mariah and Lauren prodded fellow workers who had good intentions but bad memories and kept the programs on schedule and focused. The effort not only delivered essentials to those in need, but also gave SCE employees a chance to do something that transcends the daily work routine. And while he would refuse any accolades, the generosity and selflessness of company president, Jody Cordaro, set the tone for the entire year's efforts.



*Director of Client Services, Bill Bradican, prepares a fresh salad for Christmas dinner.*

# Port Authority Contracts Mature.

*As One Contract Closes, Another is Extended.*

In Mid-October, SCE received notice that its multi-year contract with the Port Authority of NY and NJ for Asbestos, Lead and Universal Waste Abatement at the World Trade Center in New York City has been extended for an additional year. SCE had already performed numerous work orders under the Agreement.



The Company continues its excellent relationship with the Port Authority. In addition to the renewed World Trade Center Agreement, SCE enjoys a similar multi-year on call contract with The Authority's substantial marine terminals in New Jersey, and was recently advised that it is the apparent low bidder in a third multi-year contract that involves asbestos remediation in the PATH rail system.

Port Authority contracts require the utmost in safety and security compliance within secure operational facilities. Notes Client Services Director, Kevin Gawason, "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 public facilities, and the security issues that surround such high profile sites."

In addition to the two current contracts and one potential contract with the Authority, SCE just completed a very successful three-year contract serving as the Prime Contractor for the operation and maintenance of the bulk fuel farm and satellite fuel farm at the John F. Kennedy Airport in New York. This multi-year contract provided remediation services for jet fuel release at both fuel farms as well as maintenance of pumping equipment at the site. "The Authority has decided to suspend this particular project," notes Special Projects Director, Nate Butler, "but we are hopeful that in the future, the Authority will resume and SCE will be back on site."

To staff the JFK project, SCE relied upon union Local 15 and Local 14 Operating Engineers. Foreman Jason Rappold and Plant Operators Robert Raynor and James Rachuta completed the contract on time and without injuries.



## Aging Truck Wash Facility Refurbished.

*Catch Basin replaced by Separator Tanks.*

In New Castle, Delaware, SCE is refurbishing a failing truck wash facility. The company is removing the former truck wash, a 24' x 60' concrete pad, an oil and water separator, and all associated piping. The original design of the facility separated oil and water and then diverted oil into a catch basin. In its place, SCE installed a drainage system and piping from the new truck wash, across the property, and into an oil and water separator designed and built by Highland Tank. After separation, oil is carefully captured for proper disposal and water is discharged into the city storm sewer and processed through the city stormwater system.

# SCE Constructs 'Shark Tank' in Marcellus Region.

*Company offers Water Supply Solutions in Many Forms.*

SCE continues as an active service provider to the Oil and Gas Industry in the Marcellus Gas Play. Unlike most gas formations, Marcellus is vast. Beneath major portions of four states (PA, NY, WV, and OH), it varies in depth and thickness and requires horizontal hydraulic fracturing (fracking) to release the gas trapped within the formation's shale.

During a frack, millions of gallons of clean water will be injected into the well and about 40% of that volume will be pumped back out. With a lack of pipelines and infrastructure to deliver and remove the vast quantities of water necessary, water trucks shuttle clean water to the site and take frack water away for proper disposal. A typical well will go through ten such cycles during its productive life.

Water trucks draw their supply from many sources. One of those sources is known to the industry as a shark tank. A shark tank is an above ground swimming pool of vast proportions. With walls and liner reminiscent of, but vastly stronger, than the typical backyard pool, the shark tank is a fully lined enclosure filled with water. Water is pumped into the shark tank when readily available and drawn down from the tank when water is more scarce.

In September, SCE installed a shark tank with a diameter of 150 feet and a holding capacity of over 1.3 Million gallons of water for

a client in need of a temporary source of water. The tank was recently removed on schedule.

## **Water Supply.**

Whether your system features water intake lines feeding an above-ground water storage tank, or water intake lines feeding a wet well or large deep manhole, the SCE team has the personnel and expertise to complete your job on spec, on time, and on budget. We meet the challenge of coordinating water management (sheet piling/porta dams) and erosion and sedimentation control in the context of deep excavation working conditions. Our crews are skilled

in pipe installation incorporating fusion and mechanical joints and the installation of AirBurst lines to clean screens in the water intake.

## **Sheet Piling & Shoring**

At the core of most water supply intake projects is deep excavation. SCE has extensive experience in the safe and effective use of sheet piling and shoring systems that accompany such deep digs. From system design, to installation, to safety training, SCE jobsites incorporating sheet piles or shoring have enjoyed great effectiveness and have all proceeded without incident or injury. All SCE personnel involved in deep excavation projects are trained not only in trench safety but also in the special challenges associated with



deep digs. With safety meetings occurring every day at the start of the shift and reinforced mid-day and at shift end, the SCE safety culture is clearly evident at these challenging jobsites.

### ***E&S Controls***

A critical component of every water supply intake project is the careful planning and execution of an erosion and sedimentation plan. SCE's experience in meeting even the most extreme E&S challenges is second to none. Our crews are routinely involved in the excavation of large-scale projects where E&S compliance is at the forefront of every activity. Each project features a site-specific E&S Plan highlighting the particular challenges of that project and the measures to be taken to achieve compliance. Factors such as site preparation, temporary facilities, vegetative preservation, grading, surface stabilization, and dust control are carefully evaluated to meet regulatory requirements and your demands.



### ***Restoration***

We draw on more than a decade of experience installing water intake systems, landfill collection systems, soil remediation systems, and numerous deep excavation projects under the most extreme conditions. SCE crews have successfully restored multi-acre landfills, industrial sites, and even a historic cemetery inundated with oil sludge carried by hurricane tidal surges. Our team and equipment are well-suited to restore your project site to meet the regulatory and environmental challenges associated with the oil and gas industry.

## **We Heard You.**

### ***Regulatory Compliance Expands Geographic Area.***

Many of the activities in which SCE is engaged are heavily regulated. In addition to the federal overlay of regulations coming from OSHA and the EPA, the company must also navigate the regulatory challenges of every state in which we operate.

To meet Client needs and requests, SCE is constantly evaluating new markets and their regulatory environments with an aim to expand our geographic coverage. The company is currently in the process of researching and obtaining asbestos and lead licenses in four additional states. In addition to the fees associated with permits, many regulatory schemes impose insurance and bonding costs on the company, and ongoing training requirements for supervisors and workers. "It is a constant trade off," says Chief Compliance Officer, Bruce Morgan, "to balance the costs associated with obtaining and maintaining a license in a jurisdiction with the potential of new business opportunities in that jurisdiction. We rely on the feedback of our Client Services Team and the requests they get from existing and new clients to properly grow our regulatory geographic reach." The four states currently under review were identified by clients interested in future opportunities with SCE.



One year ago, I looked back on the year 2014, a year of fundamental challenges for SCE, and noted, "To say that I am energized to carry this invigorated company into 2015 is an understatement of the greatest proportions." As 2015 closes, I can happily confirm that even my lofty expectations were exceeded.

In 2014, SCE enjoyed explosive growth but not without costs. We learned lessons. Lessons lead to plans. Plans lead to actions. Actions lead to results. And in a nutshell, that is our year 2015 in review.

Change was not without pain. Management was restructured. Routines were upset. Procedures were challenged. That which was broken was fixed. That which wasn't broken was improved. As a result, the entire project cycle was revamped in 2015. No sacred cows here: we looked at everything. Estimators were tasked with generating more competitive bids. The Client Development Team was tasked to find opportunities within our core strengths. Project managers were tasked with maintaining tighter project schedules, controlling costs, protecting margins, and protecting people. And our home office was tasked with more effectively supporting our field personnel and improving our partnership with the clients, providers, vendors, regulators, and employees that create the universe in which SCE operates.

Much was at stake and the SCE team delivered the results. I could not be more proud or hold more admiration for this team of people that banded together and achieved so much in 2015.

As I look into the crystal ball for 2016, I remain energized. I find myself surrounded by driven, talented, hard working individuals who share my enthusiasm and vision. I thank them for what we've achieved in 2015 and I thank all of our clients, old and new, for the trust you continue to place in SCE.

Wishing you a prosperous and safe 2016,

Jody Cordaro, President

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