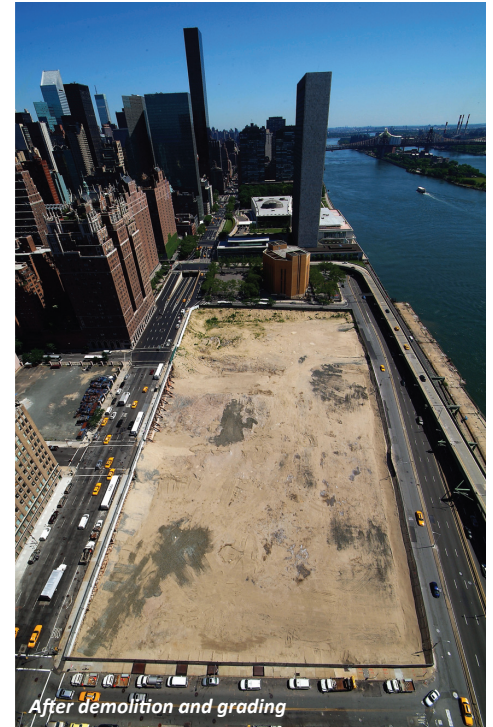


## CONSOLIDATED EDISON KIPS BAY POWER PLANT | NEW YORK, NY



One 11-Story Office Building  
Two 17-Story Power Plants



May 2001 - August 2007



\$26,000,000



TRC Environmental



Decommissioning & Demolition



Hazardous Material Abatement



Salvage & Asset Recovery



Equipment Dismantlement



Zero Lost Work Days

The dismantlement of Consolidated Edison's five-block steam and electricity power plant in midtown Manhattan was phased over a five-year period, tackling numerous challenges related to a densely urban and compact construction site.

### SURGICAL DEMOLITION

The five-block Kips Bay, multi-building campus was squeezed between FDR Drive, First Avenue, and the Queens-Midtown Tunnel vents, with the tunnel running under the property. LVI demolished the 11-story office building and support structures first. The switch house and frequency house both had an arched roof like a gymnasium, so it was carefully removed to reduce the potential for the walls to become unstable.

The next phase was the most challenging. Three 300-foot steel stacks, reinforced with gunite, towered over the two 17-story power plants. These structures were dismantled by hand in a very controlled manner until the core machinery was visible. The exterior walls of the power plants rose flush to the sidewalk boundary requiring hand demolition on these exposed walls to protect pedestrians, traffic and contiguous property. High-reach equipment was used on the demolition of the lower level



ZERO LOST WORK DAYS



power plants.

### SPECIALIZED DEMOLITION EQUIPMENT

The last phase employed machine power to break apart the generators following the removal of PCBs and machine oil. To break apart the generators, LVI used specialized equipment, including a Hitachi Ex 800 with Genesis 1200 shear. Deconstruction and dismantlement efforts required the use of oxyacetylene torch cutting and pulling techniques using wire cables and heavy equipment.

### ASSET RECOVERY

All steel, precious metals, and concrete were recycled at licensed facilities. As part of asset recovery activities, electrical equipment and generators were sold for re-use. LVI also managed the removal of diesel and brine storage tanks.

### SITE RESTORATION & PROTECTION

All sewer inlets were protected with hay bales and filter fabric paper and changed out as necessary. All utilities were cut and capped outside the property line without issue. LVI excavated all footings and foundations and removed and disposed of all

contaminated soils. LVI also excavated the East River tunnels under the FDR Drive after they were sealed by a specialty contractor.

### COMPLEX STAFFING ON A TIGHT SCHEDULE

Work was conducted six days a week with overtime. LVI staffed up to three project managers, up to five supervisors, two site safety officers, 10 machine operators, 60 Local 79 Union laborers, and 20 haul Teamsters at any given time. Approximately 75 percent of the workforce included women and/or minorities.

### SAFETY OF ALL

LVI designed site-specific MSDSs and a health and safety plan and achieved an impeccable record of zero lost work days thanks to expert supervision, a well-trained workforce, and daily safety meetings.

**Project Managed By** LVI Demolition Services Inc., a New Jersey-based subsidiary of LVI Services Inc. | **Client Contact** Ed Malley, VP, TRC Environmental, (201) 508-6961