



BERNER CONSTRUCTION, INCORPORATED PROJECT SUMMARY

Project Title: Storage Tank Closure

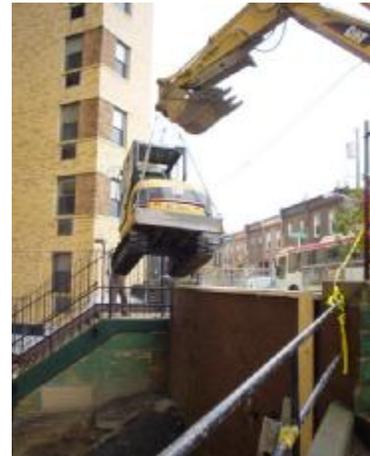
Location: Philadelphia, PA

Scope: Decontamination, removal, and off-site disposal of underground storage tanks

Berner Construction completed the decontamination, removal and off-site disposal of three 15,000 gallon fuel oil storage tanks at an apartment complex in Center City Philadelphia. The project was unique in that one of the storage tanks was located beneath a pedestrian walkway that is adjacent to a sunken concrete courtyard surrounded very closely by the high rise apartment complex. The other two tanks were located beneath the floor of the parking garage that was located three floors below street level.

The parking garage and pedestrian walkway were required to remain open at all times during the removal effort.

Berner Construction obtained the PADEP and City of Philadelphia permits required for the removal of the underground storage tanks and to execute the project.



Lowering Equipment into the Site



Underground Storage Tank Removal

Approximately 2,500 tons of TPH-contaminated soil were excavated using mini-excavators and skid loaders. The soil was taken to a central load-out area and loaded into roll-off containers for disposal. Berner Construction personnel and equipment were limited to working only on the sidewalk to prevent obstruction of traffic. The soil was disposed off-site at a thermal treatment facility. The decontaminated tanks were cut into manageable sections for transport to a local scrap steel recycler.



**Pumping Concrete into the
Parking Garage**

The project site was restored including backfilling and compacting the site with clean backfill material and the installation of concrete slabs, new concrete steps, and a concrete retaining wall. Due to the proximity of the city street and surrounding buildings, 1150 cubic yards of concrete was pumped using a 33 meter concrete pump.