

BRUGG FLEXWELL®-HL Pipe Deployment in Manhattan

BRUGG FLEXWELL®-HL Pipe Supplies Fuel to Helicopters at New York's Wall Street Heliport



Tony Ramos,
Core Engineered Solutions

"We at Core sell compliance, value and long service life. The BRUGG pipe offers all of these values and stands alone in above ground applications. It also exceeds all the criteria for pipe below ground and under piers. I don't know any other double-wall pipe that protects against fires, UV and offers the same durability and flexibility. Surprisingly the flow rates are not affected by the pipe corrugation. BRUGG's people throughout the process were models of how a supplier should service their customers and product. Core looks forward to many more opportunities with this product."

The Wall Street Heliport, located in lower Manhattan, is used for both tourist excursion flights and business air traffic. Currently there are 5 separate, active helicopter excursion companies catering that share this location. Combined, these businesses operate a total of twenty 5 to 6 passenger Bell helicopters. Each of these sightseeing tours lasts between 15 and 30 minutes, with approximately 10 to 15 minutes of ground time allowed between return and departure of the next tour. On any typical sunny summer day at the height of the tourist season, this heliport will experience more takeoffs and landings than JFK International Airport over the same period of time. In addition to the tourist flights, there are also regular business flights, most of which consist of modern Sikorski Helicopters. In July, during this peak operating season, a new fueling system was installed using BRUGG Pipesystems' FLEXWELL®-HL pipe.

Core Engineered Solutions is a firm, which specializes in fuel storage and supply system installations for applications such as diesel generators, emergency power systems, wastewater treatment plants, and aviation fueling installations. Core's leading product line is "Convault", a ma-



Wall Street Heliport in Manhattan/New York City

nufacturer of concrete reinforced fuel storage tanks. Core was awarded the contract to construct a new fueling terminal for the prominent and highly visible Wall Street Heliport. This heliport is located on the East River, very close to "Ground Zero". In order for this project to be approved and completed, Core was required to use piping material which was marina-proof, flexible, sturdy and resistant to UV exposure. BRUGG FLEXWELL®-HL pipe met all of these requirements. Thanks to the efforts of BRUGG's Manufacturer's Representative, Yeager Engineered Systems, Core was introduced to the right pipe for the job. To complete this project, 560 feet of 2" pipe, 20 feet of 3" pipe and a total of 8 couplings were used.

With temperatures approaching 100 degrees, the pipe installation was completed in July 2010 with the expert assistance from BRUGG factory personnel. Not only the intense helicopter traffic but also the 7 to 10 foot tidal changes had to be considered in the planning of this



Deployment of 500 ft. of FLEXWELL®-HL pipe



Temporary attachment of the pipe



Final attachment of the pipe to the pier



Installation work during ongoing helicopter traffic

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