



# Distrigas Corporation LNG Storage Tank

## STATEN ISLAND, NEW YORK

### PROJECT HIGHLIGHTS

- As the demand for LNG storage tanks grew, so did expectations for their capacity. The Distrigas Corporation LNG tanks shown above were designed with an exterior diameter of a 240' ID x 120' SWD and were over 145' in total height, making this PRELOAD-constructed system the largest LNG storage tanks in the world at the time of their completion.
- The tanks also matched their massive size with superior strength. According to a 1975 PCI Journal article, the tank design provided highly redundant system that "furnishes safely against lateral buckling several hundred times greater than comparable metallic structures of the same radius."
- In fact, the tanks had the capability to withstand the horizontal impact force of a Boeing 747 at a speed of 230 mph without failure. This is due in large part to the superior structural features that are customary with all PRELOAD prestressed concrete LNG storage applications.

Location:	Staten Island, NY
Consulting Engineer:	Preload Cyrogenics
Construction Date:	1974
Application:	LNG Storage
Capacity:	For each tank: 43,000 m3 (900,000 Bbl /37.8 MG) (240' ID x 120' SWD)
Owner:	Distrigas Corporation

