

- Evacuation drills had been conducted every six months.
- The decision to prevent occupants from exiting the stairwells out into the streets where they could be impacted by debris from WTC 1 and WTC 2 likely prevented injuries and deaths.
- Using the loading dock exit to provide overhead protection, combined with the scaffolding protection along the other side of Washington Street, was an example of spontaneous decision-making on the part of the building management personnel which likely contributed to the positive outcome.

4.4.2 Emergency Response

- Faced with a disaster of an unprecedented nature, the involvement of the emergency management personnel with regard to WTC 7 was limited. Nonetheless, no lives were lost as a result of the collapse of WTC 7.
- The loss of numerous firefighters, company officers, and chief officers in the collapses of WTC 1 and WTC 2 led to a changing command structure for the rest of the morning, as new command posts were established and several different chief officers took command and relinquished command of operations at the WTC site.
- Due to the focus on rescuing people trapped in the debris field, providing aid to the injured, and the loss of water in the hydrant system, FDNY was not able to consider the possibility of fighting the fires in WTC 7 until approximately 1:00 p.m. At approximately 2:30 p.m., FDNY gave the order to forego firefighting activity and for personnel to withdraw to a safe distance from the building.
- Con Edison shut off all power to the substation under WTC 7 at 4:33 p.m.

4.5 CODES, STANDARDS, AND PRACTICES

4.5.1 General

- WTC 7 was designed and constructed as a “tenant alteration project” of The Port Authority. Its design and construction were based on the 1984 edition of the Tenant Construction Review Manual.
- Although the PANYNJ was not subject to the NYCBC, the 1968 NYCBC, including amendments to January 1, 1985, appears to have been used for the design and construction provisions of WTC 7, based on citations in the construction documents.
- The type of building classification used to design and construct the building was not clear from the available documents. Based on the height, area, primary occupancy classification, and installation of a fire sprinkler and standpipe system, the minimum construction type (permitted by NYCBC) was type 1-C (2 h protected) classification. However, some