

fires either at ground level or on the 5th floor. The latter scenario would have required power to the pumps to remain, and a breach in the 5th floor fuel system that was not sensed by the leak detection system in the outer pipe. (Refer to Chapter 9 for further details on this scenario.)

No trace of the Mayor's OEM system tank nor the 27 m³ (6,000 gal) of fuel it contained was ever found, so NIST assumed that the full volume might have been available to the building fires. This tank was located in a 1st floor room adjacent to the elevator bank, enclosed in 4 h fire rated construction, and provided with a total flooding fire suppression system. Since the pumps used to fill the day tank on the 7th floor would only run when the low fuel switch came on, and since the distribution piping would drain by gravity when the pumps were off, most of this fuel likely would only have been available on the 1st floor. It is, however, possible that a break in the day tank supply line on the 7th floor could have led to a diesel fuel pool on this floor. (See Section 9.2.2.)

3.4.3 Other Combustibles

In interviews with staff of WTC tenants, The Port Authority, and Silverstein Properties, NIST was told that there were no exceptional combustibles in the building other than the aforementioned small arms and limited ammunition on the 9th floor.

3.5 REFERENCES

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