

Bulk Storage Fuel Terminal

SPCC PLAN PROJECT

Site Location:
Date:

Springfield, Massachusetts
2007

This Springfield terminal is used for the bulk storage and distribution of distillate fuel oil. The facility has been in operation since 1933, and contains an office building with an attached maintenance garage, two field-erected aboveground storage tanks (ASTs), four shop-fabricated ASTs, three underground storage tanks, including a multi-compartment tank, a load rack, and two pumping vaults.

During the SPCC inspection, OTO identified several deficiencies with the facility which needed to be addressed in order to comply with the SPCC Regulations 40 CFR 112. While most could be addressed with low-cost modifications such as adding additional security fencing or crash barriers, increasing the secondary containment volume of the steel dike surrounding the 1.2 million gallon AST could easily have exceed \$50,000. For SPCC compliance, the capacity of this dike had to be increased by approximately 10 percent. In lieu of increasing the height of the dike wall, OTO recommended connecting the dike to an adjacent steel dike with piping that served as an overflow. This cost-saving alternative was completed for approximately \$2,000 and increased the dike volume by the required 10 percent. Other modifications were completed as well, and the facility now complies with 40 CFR 112.

