

Electric Service Requirements Manual (“ESR”) White Paper
for INTERNAL and EXTERNAL use

By Dennis Wedam, P.E.

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Subject: Firewalls (Blast Walls)
ESR Section 5

As specified in Section 5, if a transformer installation location cannot meet the clearance requirements from fuel storage as shown in Section 5, a blast wall may be constructed. A blast wall is an acceptable barrier from a fuel storage tank and the transformer.

The blast wall must be built with at least three feet (3') of clearance around any side of the transformer pad lid, and ten feet (10') of clearance from the front. The blast wall shall be constructed of masonry or six-inch (6") concrete, shall have adequate footings and structural reinforcement, and shall be built to an engineered design.

The height and width of the wall shall provide a barrier such that no part of the transformer is in view of the storage facility or the equipment connected to it (i.e. the generator, valves, or filling locations).