

An Innovative Belowgrade Fuel Storage Solution for Novartis Institute

Project:

UL 2245 Belowgrade Fuel
Storage System

Client:

Novartis Institute for Bio-
Medical Research



Novartis Institute required a unique solution to run their emergency power systems at their Bio-Medical Research Facility in Avon, Massachusetts. Environmental concerns (the institute was located within blocks of a Rail Road and an open Waterway) prevented the use of an Underground Storage Tank (UST). However, an Aboveground Storage Tank (AST) would not fit the small footprint that was required to fit between two high rise buildings. In addition, public safety concerns caused city officials to ban the use of an aboveground tank within this particular city zone.

The solution was an innovative Belowgrade Liquid Containment Vault system. This UL Listed Liquid Containment Vault (LCV) provides fortified protection where fuel is safely contained and water is sealed out. Because the storage tanks are located within a vault that allows for easy accessibility and visual inspection by your personnel, they are classified by the EPA as Aboveground Storage Tanks (AST) even though they are located at or belowgrade. Core's integrated solution included a 6000 gallon UL 2245 LCV system design, monitoring, controls, installation and drawings.

To discuss your above or belowgrade fueling applications with a Core specialist or to learn more about our capabilities, contact us:

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