



BERNIER CONSTRUCTION, INCORPORATED PROJECT SUMMARY

Project Title: Basement Decommissioning of a Historic Building

Location: City of Sunbury, Northumberland County, PA

Scope: Provide labor, materials, equipment, and supervision to decommission the basement of a historic building at Sunbury Textile Mills

Berner Construction was awarded a contract from Geosyntec Consultants of Alpharetta, Georgia to implement the remedial design for the decommissioning of a historic building for the Sunbury Textile Mill plant in Sunbury, PA. The remedial design was prepared by Geosyntec and approved by the PADEP to address the residual contamination present in the soil and groundwater in the vicinity of the historic building basement.



The decommissioning of the basement involved the placement of a four-layer vapor barrier in the basement, placed on top of 3 feet of flowable fill material. The vapor barrier is then covered by an additional 2 feet of flowable fill. The four-layer vapor barrier allows for the collection and management of vapors and condensate that may enter the basement from the groundwater entering through the basement floor. Vapors are passively vented outside the building. The condensate drains to a floor drain where it is pumped to the on-site sewer system.



The existing elevator was taken out of service by the plant. The vapor barrier was installed in the elevator shaft and stairwell areas. These areas were also filled with flowable fill. As part of the design, the doors and windows to the basement were blocked to prohibit access other than to service the fire suppression system.