

Biocontainment Experience

Boston University Medical Center (“BUMC”) is in the process of design and construction of a state-of-the-art BSL-4 biocontainment facility to support basic, translational and clinical research on hazardous biological agents (category A, B & C) in support of the National Institute of Allergies and Infectious Diseases (“NIAID”) Biodefense Initiative.

The new National Center of Emerging Infectious Diseases and Biodefense (“NCEIDB”) facility is approximately 191,000 gsf and will be intergrated into the BioSquare Development on the BUMC campus in Boston, Massachusetts. The facility will house state-of-the-art BSL-4 biocontainment laboratories, necessary associated BSL-3 laboratories, BSL-2 laboratories, animal facilities, insectary facilities, clinical research facilities, research support space, as well as all facility support utilities & decontamination systems. The facility will serve as a national resource for conducting clinical and laboratory research and testing on hazardous biological agents in support of NIAID’s Biodefense agenda.

IDEA is the assigned commissioning agent for the project, responsible to BUMC for the specification and documentation of Installation Verification and system Performance Testing. The **IDEA** team consists of 8 senior engineers and technicians who will represent the major design facets of the project (process, electrical, mechanical and HVAC). The execution of the commissioning program includes protocol generation during the design phase, periodic site inspections during the construction phase and the facilitation and documentation of protocol execution after facility start up.

The protocol generation phase lasted for a period of 6 months and resulted in generation of the project commissioning specification and plan as well as 114 protocols and related check sheets.

The construction phase is projected to last for 30 months and will require periodic inspections throughout by the commissioning team.

The execution phase (on site) is scheduled to take 9 months (the first 7 months at the end of the construction phase and the last 2 months after the issuance of the Certificate of Occupancy Permit).

BOSTON
UNIVERSITY
MEDICAL
CENTER

National Emerging Infectious
Diseases Laboratories
Boston, Massachusetts

Commissioning



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