

 <p>Carnegie Mellon University Environmental Health & Safety FIRE LAB WORK</p>	<p>Environmental Health and Safety Requirements for Laboratories under BioSafety Level 2 (BSL-2)</p>
<p>Date of Issuance:</p>	<p>Revision Date: 1/18/2024</p>
<p>Revision Number: 2</p>	<p>Prepared by: EHS</p>

1. Introduction

The purpose of this document is to outline the requirements for laboratories involving BSL-2 containment at Carnegie Mellon University (CMU). This document does not cover other requirements for research at CMU. For additional information, contact Environmental Health and Safety (EHS) at 412-268-8182.

2. Renovation/Construction of a Laboratory

Principal Investigators (P.I.) and/or Project Managers are required to contact the Biological Safety Officer before plans are made to renovate an existing laboratory or to construct a new laboratory where research involving BSL-2 containment is required. To contact the Biological Safety Officer, please send an email safety@andrew.cmu.edu.

3. Commissioning the Laboratory

Once the renovations or construction of the laboratory is complete, the laboratory must be commissioned prior to initiation of research. The commission process involves an inspection of your lab to ensure that the facilities are suitable for work involving BSL-2 containment. Please contact safety@andrew.cmu.edu to schedule a commissioning.

4. Registration of Your Work

All work requiring BSL-2 Containment must be registered and approved by the Institutional Biosafety Committee (IBC) before work can begin. Please visit the [IBC webpage](#) for more information regarding this registration process.

5. Training Requirements

All personnel (including the P.I.) must attend the following training:

- a. Biological Safety Training - prior to beginning work with materials that require BSL-2 containment.
- b. Bloodborne Pathogens Training - If work involves human blood, human components, the use of bloodborne pathogens (i.e. HIV lentivirus, Hepatitis B, etc.) and/or other potentially infectious materials (OPIM)
- c. Lab Safety and Hazardous Waste Training - Please visit [SciShield](#) (formally BioRaft) for more information and to register for training classes.

6. Biological Safety Cabinet (BSC) Certifications

New biological safety cabinets or cabinets which have been relocated must be certified prior to use and annually thereafter. EHS has a contract with Filtech Inc. to certify all BSCs on campus. Please contact EHS to obtain the PO information and then call Filtech at 800-269-2540 to schedule your cabinet certification. A copy of the certification report and billing documents must be submitted to the Biological Safety Officer, Mail Drop 90, Mellon Institute. Alternatively, you may scan the documents and send them via email to safety@andrew.cmu.edu.

7. Revisions

Date	Documented Changes	Initials
10/2019		
1/14/2021	Updated Format and Accessibility update	MAS
1/18/2024	Reviewed - no updates necessary	AL