

WORK AREA ENTRY PERSONAL PROTECTIVE EQUIPMENT (PPE) ANALYSIS AND REQUIREMENTS

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This document presents an analysis of the personal protective equipment requirements for personnel entry to NSLS facility areas.

Area Definition

Facility spaces at the NSLS can be divided into two major area types; *Office and Non-Office areas*. They are defined as follows:

- "Office Areas" are areas where work involves writing, reading, computer, meeting, and administrative tasks only.
- "Non-Office Areas" are areas where work involves use of tools, material handling, chemical handling and storage, and cryogen handling and storage.

Area Entry Requirements

Office Areas

There are no PPE or attire requirements for entry to Office Areas.

Non-Office Areas

Personnel entering Non-Office areas are required to meet the following minimum attire requirements:

- Long pants or long skirt/dress that extends to the ankles (no material requirement)
- Short sleeve shirt (no material requirement)
- Substantial closed toe shoes (e.g. leather or canvas shoes that enclose the entire foot)

These entry requirements do not apply to individuals visiting the NSLS for a tour.

Requirements Analysis

- Entry and work within Office Areas presents no significant risk to personnel that results in any PPE or attire requirement.
- Entry and routine work within Non-Office areas presents only incidental chemical or cryogen exposure risks. Task specific PPE requirements apply to non-routine work such as wet chemistry operations, cryogen use, laser operation, or material handling.
- Entry for just a tour presents no significant risk to persons on the tour as they will not be working and reasonable caution will while walking on the tour is sufficient to minimize any risk of injury.
- Long pants or dress/skirt to ankles and closed shoes will afford adequate protection from scrapes and bruises that may result from routine work around hardware and equipment in Non-Office areas.
- Short sleeve shirts will allow for needed personnel comfort.