

Needs Assessment for Research Safety, OSH, and Environmental Reviews

***Provide project information and check any boxes that apply to submitted project. Submit to firemarshalreview@umd.edu.***

**Project Number:** Click or tap here to enter text. **Project Manager:**Click or tap here to enter text.

**Project Name (if applicable):** Click or tap here to enter text. **Submission Date:** Click or tap here to enter text.

None of the following project elements apply to this project

**Research Safety (check all that apply)**

Construction of new laboratory space

Demolition and/or renovation of existing laboratory space

Installation and/or replacement of chemical fume hood and/or biosafety cabinets

Installation of snorkels or other local exhaust systems

Renovation and/or construction of HVAC systems that serve laboratory spaces

Replacement or installation of emergency eyewashes and/or showers

Installation of an autoclave

Installation of an environmental chamber

Installation and/or removal of electromagnetic, laser (curtain), or radiation shielding

Installation of an ionizing or non-ionizing radiation generating device (e.g., x-ray machine, accelerator, NMR, MRI)

Installation of ceiling/wall mounted germicidal ultraviolet (GUVC) lights for air/room sterilization

Construction, renovation, and/or demolition of animal rooms

Consideration of enthalpy wheel installation where exhaust includes laboratories

Construction requires radiography testing. [Advanced notification to RSO required: [radiationsafety@umd.edu](mailto:radiationsafety@umd.edu).]

Space has planned use of cryogens (including recovery systems)

Space has planned use of open beam Class 3b or 4 lasers

Space has planned use of biological materials

Space has planned use of radioactive materials

**Occupational Safety and Health (OSH) (check all that apply)**

Construction or renovation of a machine shop or permanent welding area

Installation of 3D printers, laser cutter/engravers, and/or soldering stations (lab and non-lab locations)

Modification, installation, removal, or replacement of natural gas system

Installation of a permanent confined space

Installation of permanent cranes or hoists

Installation of emergency eyewash or showers (non-laboratory locations)

Installation of chemical storage facilities (non-laboratory locations)

Installation of measures necessitating fall protection (e.g., scaffolding) or fall protection systems (e.g., attachment points)

Installation of pressure vessels and/or boilers

☐ Construction or renovation expected to impact and/or encounter known or suspected hazardous and/or regulated materials

(e.g., asbestos, lead, mercury, silica from masonry, PCBs, refrigerants, etc.)

**Environmental Affairs (check all that apply)**

Installation and/or replacement of fuel burning equipment including generators, turbines/micro turbines, furnaces, boilers, fire pumps, grills/charbroilers, or autoclaves

Installation and/or replacement of fuel storage tanks

Introduction of new discharges to stormwater system including condensate, cooling towers, floor drains, or sump pumps

Installation of oil/water separators