| Cornell University Environmental Health and Safety | **Research Area Space Registration Using HASP – Data Entry Form**<br>*HASP* | Form |
|---|---|---|

- Please fill in this form, using one form for each individual room.
- Then send it by email to the person in your department who sent it to you, usually your Department Safety Representative (DSR) or your department Administrative Manager.
- For descriptions and examples, see the details on HASP below.
- For further assistance, contact "askEHS" at **askehs@cornell.edu**.

| | |
|---|---|
| Building Name | |
| Room Number | |
| Department | |

Roster

| | Primary Contact (PI – Supervisor) | Secondary Contact | Tertiary Contact |
|---|---|---|---|
| Name | | | |
| Day Phone | | | |
| Night Phone | | | |
| Cornell NetID | | | |

**Hazard Inventory and Risk Assessment – For each Specific Hazard Source, indicate if present in room by making an "X" in the "Present" column, and indicate a Risk Level of Low, Moderate, or High in the "Risk Level" column.**

| Hazard Sources | Specific Hazard Sources | Present | Risk Level |
|---|---|---|---|
| **Animal Use** | Animal use | ☐ | |
| | Waste Anesthetic Gas (WAG) | ☐ | |
| **Biohazards** | BSL-1; BSL-2; BSL-3 (choose one) | ☐ | |
| **Biosafety** | Human materials that present blood borne pathogen risk | ☐ | |
| | Microorganisms infectious to humans only | ☐ | |
| | Microorganisms infectious to animals only | ☐ | |
| | Microorganisms infectious to plants only | ☐ | |
| | Microorganisms infectious to animals and humans | ☐ | |
| | Biologically-derived toxins | ☐ | |
| | Recombinant or synthetic nucleic acids | ☐ | |
| | Microorganisms, not infectious | ☐ | |
| **Carcinogens** | 1,2-dibromo-3-chloropropane | ☐ | |
| | 1,3-Butadiene | ☐ | |
| | Acrylonitrile | ☐ | |

| Hazard Sources | Specific Hazard Sources | Present | Risk Level |
|---|---|---|---|
| | Asbestos | ☐ | |
| | Benzene | ☐ | |
| **Carcinogens (continued)** | Beryllium | ☐ | |
| | Cadmium | ☐ | |
| | Chromium (VI) | ☐ | |
| | Ethylene oxide | ☐ | |
| | Formaldehyde | ☐ | |
| | Hydrogen Cyanide | ☐ | |
| | Inorganic arsenic | ☐ | |
| | Lead | ☐ | |
| | Methylene chloride. | ☐ | |
| | Methylenedianiline | ☐ | |
| | Other Carcinogens | ☐ | |
| | Vinyl chloride | ☐ | |
| **Chemical Storage** | Aggregate storage of any one chemical > 5 gal or > 40 lb | ☐ | |
| | Chemical Storage Cabinet/Room | ☐ | |
| **Compressed Gases** | | | |
| **Controlled Substances** | | | |
| **Corrosives** | Acids (pH 0-5.5) | ☐ | |
| | Hydrofluoric Acid | ☐ | |
| | Perchloric Acid | ☐ | |
| | Picric Acid | ☐ | |
| | Phenol | ☐ | |
| | Bases (pH 9.5-12) | ☐ | |
| **Cryogenics** | Cryogenic liquids | ☐ | |
| | Cryogenic solids | ☐ | |
| **Electrical Hazards** | Electrophoresis | ☐ | |
| | Equipment with greater than 600 volts | ☐ | |
| | Other electrical hazards | ☐ | |
| **Explosives** | Pyrophoric Materials | ☐ | |
| **Flammable Gases** | | | |
| **Flammable Liquids** | Flammable Liquids | ☐ | |
| | Peroxide Formers | ☐ | |
| **Flammable Solids** | | ☐ | |
| **Green Labs** | Using Green Chemistry | ☐ | |

| Hazard Sources | Specific Hazard Sources | Present | Risk Level |
|---|---|---|---|
| **Lasers** | Class 1 | ☐ | |
| | Class 2 / 2a / 3a | ☐ | |
| | Class 3b | ☐ | |
| | Class 4 | ☐ | |
| **Lasers (continued)** | Laser Cutter | ☐ | |
| **Nanomaterials** | | ☐ | |
| **Non-ionizing Radiation** | Magnetic Fields (< 5 Gauss) | ☐ | |
| **Non-ionizing Radiation (continued)** | Magnetic Fields (> 10 Gauss | ☐ | |
| | Magnetic Fields (5 – 10 Gauss) | ☐ | |
| | RF / Microwave (Shielded) | ☐ | |
| | RF / Microwave (Unshielded) | ☐ | |
| | UV Light | ☐ | |
| **Other Activities** | Confined Space | ☐ | |
| **Oxidizers** | Organic peroxides | ☐ | |
| | Oxidizers | ☐ | |
| **Pesticides** | Fumigants | ☐ | |
| | Other Pesticides | ☐ | |
| **Poisons** | Poison Inhalation Hazards | ☐ | |
| | Poisons | ☐ | |
| **Radiation Sources** | All Other Unsealed Rad Material (Any Quantity) | ☐ | |
| | H-3, C-14, S-35 Unsealed Rad Material (Any Quantity) | ☐ | |
| | P-32, Iodine & Gamma Rad Material (< 10mCi Total) | ☐ | |
| | P-32, Iodine & Gamma Rad Material (> 10mCi Total)) | ☐ | |
| | Permitted Sealed Source | ☐ | |
| | Rad Producing Equip (Accelerator) | ☐ | |
| | Rad Producing Equip (E-Beam & Other) | ☐ | |
| | Rad Producing Equip (X-Ray) | ☐ | |
| | Registered Sealed Sources | ☐ | |
| **Waste** | Drain disposal of liquid waste (non-domestic) | ☐ | |
| | Generates animal waste | ☐ | |
| | Generates chemical waste | ☐ | |
| | Generates no waste | ☐ | |
| | Generates radioactive waste | ☐ | |
| | Generates regulated medical waste | ☐ | |

| Hazard Sources | Specific Hazard Sources | Present | Risk Level |
|---|---|---|---|
| | Generates solutions for silver reclamation | ☐ | |
| | Generates universal waste | ☐ | |
| | Generates waste anesthetic gas | ☐ | |
| **Water Reactives** | Water Reactives | ☐ | |
| **Zero Sources** | No hazardous sources in this location | ☐ | |

| Equipment | Specialized Equipment | Present | Amount |
|---|---|---|---|
| | 3D Printer | | |
| | Angle-grinder | | |
| | Autoclave | | |
| | Battery Charging Area | | |
| | Centrifuge | | |
| | Chainsaw | | |
| | Cut-off-saw | | |
| | Equipment – Etching (like the water jet system) | | |
| | Equipment Under Vacuum | | |
| | Floor Drains | | |
| | Forklifts | | |
| | Indoor Cranes | | |
| | Metal Working/ Fabricating equipment | | |
| | Open flame sterilization | | |
| | Personnel Lifts / Scissor Lifts | | |
| | Pneumatic tools | | |
| | Portable Generators | | |
| | Powered Machinery | | |
| | Pressure Vessels | | |
| | Refrigerant containing equipment | | |
| | Soldering iron | | |
| | Sonicator | | |
| | Sources generating noise > 85 decibels | | |
| | Storage tank | | |
| | Welding (MIG, TIG, Arc, Oxy/acetylene) | | |
| | Wood Working Equipment | | |
| **Safety/Control Equipment** | Biosafety Cabinet | | |
| | Emergency Shower | | |
| | Eyewash | | |
| | Fume Hood | | |
| | Respirators | | |

| **Access**: Select at least one option and no more than two. Select from the following options or enter the desired text. | Check here | **Access Continued:** | Check here |
|---|---|---|---|
| Escorted Visitors | | Other Individuals with Permission | |
| Faculty, Staff, and Students | | Research Group Members and Other Individuals with Permission | |
| Only Authorized Users Are Allowed to Use Equipment | | Research Group Members | |
| Operators and Staff Only | | Visitors Must Be Under Escort | |
| **Warnings**: Select at least one option and no more than four. Select from the following options or enter the desired text. | Check here | **Emergency Response**: Not required, but you may select from the following options or enter the desired text. | Check here |
| Eye protection required at all times | | **In case of emergency, call for assistance by dialing 911** | |
| Eye protection required when using hazardous chemicals | | Biohazard wastes are in red biohazard containers | |
| Eye protection required when using power equipment | | Chemical Storage Room contains a large number of chemicals | |
| Fire Door—Never block this door open | | Flammable liquids are stored in the cabinets under hoods | |
| Hydrofluoric Acid Present | | High temperatures when autoclaves are running | |
| Caution – Liquid Nitrogen can be an asphyxiant | | In Case of Fire No Entry without Radiation Protection Escort | |
| Caution – Perchloric Acid use fume hood | | In case of fire beware of possible explosion of full size cylinders of Hydrogen | |
| Do not bring non-inventoried chemicals into this room | | Power to this room can be switched off by using the panel box | |
| Door must be kept locked at all times | | Several cryogenic tanks containing liquid nitrogen are located about the lab | |
| Door must be locked between 5 pm and 8 am | | Solvents and strong acids are stored under the hoods | |
| Door must be locked when unoccupied | | Storage Room contains a large quantity of flammable liquids | |
| Eating and drinking are prohibited in the lab area | | Storage Room for Gas Cylinders | |
| Eating and drinking prohibited | | | |
| Eye protection and gloves required when using hazardous substances | | | |