

LEVEL II INSPECTION-Comprehensive: Date _____

DLC: _____

PI: _____

EHS Rep _____

Rm: _____ Tel: _____

Rm: _____ Tel: _____

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Rm: _____ Tel: _____

Rm: _____ Tel: _____

Tel: _____

Additional Rooms:

| | | |
|---------------------------------------|---------------------------------------|--------------------------------|
| Note: Hazards from PI Space | Nanoparticles | Ergonomic Hazard or Lifting |
| Biological Materials | Perchloric Acid & Org Peroxide | Exposed High Voltage |
| Autoclave (# _____) | Toxic Gases | Heat Stress |
| Bio Safety Cabinet (# _____) | Less Than 90 Day Storage Area | Noise > 85 dB |
| Blood Borne Pathogen | Satellite Accumulation Area (# _____) | Permit Required Confined Space |
| Containment Level BL1 | Ionizing Radiation Sources | Powered Industrial Vehicles |
| Containment Level BL2 | Accelerator | Powered Machine Tools |
| Containment Level BL2+ | Gen'ly Licensed Device/Material | Pressure Vessels |
| Containment Level BL3 | Radioactive Materials | Vacuum Oven |
| Chemical | X-ray Machine | Eye Wash Station (# _____) |
| Combustible Metals | Non-ionizing Radiation Sources | Fire Extinguisher |
| Explosives | Class 3b or 4 Laser | Fume Hoods (# _____) |
| Flammable Liquids > 10 Gal. | Magnets | Gas Monitors |
| Gas Cylinders | RF Sources | Glove Box |
| HPLC & Other Chromatography (# _____) | General & Lab Safety | Safety Shower |
| Highly Reactive Materials | Cranes / Lifts | Self-Contained Breathing Appar |
| Hydrofluoric Acid (HF) | Cryogenics | Special Local Exhaust Vent |
| Large Vol Oil > 55 gal 1Cntr | Elevated Platforms | Spill Response Material |
| | Equipment Requiring LOTO | Shop/Makerspace |

| X | CODE | FINDING |
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| General Safety | | |
| | GS-1 | Space registration/Green Card was not accurate and/or missing. |
| | GS-2 | Rooms were not posted with warnings for the hazards present in the room. |
| | GS-3 | Required EHS training was not up to date. |
| | GS-4 | The appearance of the laboratory/shop was not neat, orderly and clean. |
| | GS-5 | There was evidence of spills not properly cleaned up. |
| | GS-6 | There was evidence of eating and/or drinking in the area. |
| | GS-7 | Vacuum aspirator setup was incorrect or was missing in-line filter. |
| | GS-8 | Non-BL Lab Sharps were not properly managed. |
| | GS-9 | Personnel were not aware of or following drain disposal guidelines. |
| | GS-10 | Use of mechanical lifting equipment was not restricted to trained employees, and/or not under the control of a trained user, and/or not secured to prevent unauthorized use. |
| | GS-11 | Lock Out Tag Out procedures were not followed where required. |
| | GS-12 | An appropriate sign was not posted at a known confined space. |
| | GS-13 | No guardrail or other fall protection system in place for a platform, scaffold, and/or work surface higher than 4 feet. |
| | GS-14 | Lithium ion batteries or battery packs not properly stored or charged |
| | GS-15 | Vacuum pump did not have a tray underneath to contain oil. |
| | GS-16 | Freezer had excessive ice build-up. |
| | GS-17 | Laboratory pathways and exits are not clear from obstructions that might hinder an evacuation. |
| | GS-99 | Other General Safety Finding (see details). |
| Emergency Preparedness | | |
| | EP-1 | Current emergency response information (e.g., Green Cards, posters, evacuation maps, etc.) was not appropriately posted in all required areas. |
| | EP-2 | Emergency eye wash stations/drench showers were obstructed. |
| | EP-3 | Emergency eye wash stations/drench showers were not appropriately tested / inspected / tagged. |
| | EP-4 | Area was not equipped with sufficient drench showers and eye wash stations. |
| | EP-5 | Fire extinguisher tag missing, outdated or monthly inspections not documented on tag |

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| | EP-6 | Fire extinguisher was missing, discharged, or inaccessible. |
| | EP-7 | Fire alarm or other emergency strobe lights were obstructed. |
| | EP-8 | Clearance around sprinklers was less than 18 inches. |
| | EP-9 | Appropriate biological/chemical spill kit was not readily available. |
| | EP-99 | Other Emergency Preparedness Finding (see details). |
| Biological Safety | | |
| | BS-1 | Bio. Safety Cabinet (BSC) grates were obstructed. |
| | BS-2 | Bio. Safety Cabinet (BSC) was not certified or was past re-certification date. |
| | BS-3 | Vacuum aspirator setup was incorrect or was missing in-line filter. |
| | BS-4 | Biohazard labels were missing from equipment that comes into contact with biological materials/agents. |
| | BS-5 | Biowaste containers were missing biohazard labels. |
| | BS-6 | Soap was not available at sinks used for hand washing. |
| | BS-7 | An appropriate liquid disinfectant was not available. |
| | BS-8 | Work surfaces were not decontaminated with appropriate cleaner or disinfectants following work involving biological materials/agents. |
| | BS-9 | Biohazardous sharps were not being appropriately managed or evidence of recapped needles. |
| | BS-10 | Biowaste was not being appropriately managed. |
| | BS-11 | Autoclave waste treatment was not being properly managed or recorded in logbook. |
| | BS-12 | Needles and/or syringe stocks were not secured. |
| | BS-13 | Improper storage or recordkeeping for DEA Controlled Substances. |
| | BS-13-1 | DEA Controlled Substances were not secured properly. |
| | BS-13-2 | DEA Recordkeeping of material was not accurate. |
| | BS-13-3 | DEA Training records not maintained. |
| | BS-13-4 | DEA Lab Specific SOP not on file or not signed by all users. |
| | BS-14 | Biological Level (BL1, BL2, BL2+, etc.) not posted. |
| | BS-15 | Visible mold or evidence of mold was observed. |
| | BS-99 | Other Biological Safety Finding (see details). |
| Chemical Storage & Use | | |
| | CS-1 | Improper storage location. |
| | CS-1-1 | Liquid chemicals stored on the floor without secondary containment. |
| | CS-1-2 | Excessive chemicals stored on benchtop. |
| | CS-1-3 | Liquid chemicals stored above eye level/on top of refrigerator / freezer / equipment. |
| | CS-1-4 | Chemicals in egress corridor. |
| | CS-1-5 | Chemical containers in sink basin or inside the sink cabinet. |
| | CS-1-6 | Acids and oxidizers inside the flammable cabinet. |
| | CS-1-7 | Flammable materials not stored in an FM or UL approved flammable storage cabinet. |
| | CS-1-8 | Excessive chemical storage inside the fume hood / Biosafety cabinet. |
| | CS-1-9 | Storage of temperature sensitive flammable materials in improper refrigerator / freezer. |
| | CS-1-10 | Chemicals with significant odor stored in unvented cabinet. |
| | CS-1-11 | Volatile chemicals and compressed gases stored in cold room or constant temperature room. |
| | CS-1-12 | Poor chemical storage practices. |
| | CS-1-13 | Excessive storage of old chemicals. |
| | CS-2 | Improper chemical labeling. |
| | CS-2-1 | Chemical containers without label / legible label. |
| | CS-2-2 | Chemical container missing labeling code or code not posted. |

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| | CS-3 | Incompatible chemicals not properly segregated. |
| | CS-4 | Secondary containment in poor condition. |
| | CS-5 | Chemical container in poor condition. |
| | CS-6 | Improper setup of flammable storage cabinets. |
| | CS-7 | Improper storage and management of peroxide formers. |
| | CS-8 | Hydrofluoric Acid not properly managed. |
| | CS-8-1 | Calcium gluconate is not provided or expired. |
| | CS-9 | The chemical inventory is not available or updated. |
| | CS-10 | Lab members not aware of how to access Safety Data Sheets (SDSs). |
| | CS-11 | Designated highly toxic chemicals (Restricted chemicals) are not secured. |
| | CS-98 | Serious chemical management issues. |
| | CS-99 | Other chemical management issues. |
| Compressed Gas & Cryogen Safety | | |
| | CG-1 | Compressed gas cylinders or cryogenes were not properly secured or located. |
| | CG-1-1 | No cylinder restraint present or ineffective restraint. |
| | CG-1-2 | Cylinder(s) stored on a hand truck or cart. |
| | CG-1-3 | Gas cylinders or cryogenes located in a corridor or other public/inappropriate area. |
| | CG-1-4 | No designated area for pick-up or delivery of gas cylinders. |
| | CG-2 | Compressed gas cylinders or gas piping were not properly labeled or label(s) not visible. |
| | CG-3 | Gas piping, regulators or other components in poor condition, incompatible or not appropriate for use. |
| | CG-4 | Gas piping, regulators or other components not leak checked. |
| | CG-5 | Appropriate PPE not available where cryogenes are transferred or handled. |
| | CG-6 | Gas monitoring system not present or functioning properly. |
| | CG-6-1 | Toxic or flammable gas monitoring system (TGMS) not present or functioning properly. |
| | CG-6-2 | Oxygen monitoring system not present or functioning properly. |
| | CG-99 | Other Compressed Gas & Cryogen Safety Finding (see details). |
| Satellite Accumulation Area (SAA) | | |
| | SAA-1 | Chemical waste containers were not firmly closed. |
| | SAA-2 | Multiple waste containers of a single waste stream were within an SAA. |
| | SAA-3 | Chemical waste containers were inappropriate or in poor condition. |
| | SAA-4 | Tags or labels on chemical waste containers were missing, incomplete, inaccurate or not legible. |
| | SAA-5 | Dates on labeled containers with the SAA were over 3 days old. |
| | SAA-6 | The label identifying the SAA was missing. |
| | SAA-7 | Incompatible wastes were not properly segregated. |
| | SAA-8 | There was lack of appropriate secondary containment. |
| | SAA-9 | The SAA location was not appropriate. |
| | SAA-10 | Failure to identify or manage a chemical waste as hazardous; hazardous chemical waste found outside SAA. |
| | SAA-11 | Non-waste materials were kept in an SAA. |
| | SAA-12 | SAA(s) was (were) not inspected weekly. |
| | SAA-98 | Multiple findings were identified in an SAA area (see details). |
| | SAA-99 | Other SAA Finding (see details). |
| Exhaust Ventilation | | |
| | EV-1 | Fume hood housekeeping is poor and/or had excessive clutter. |
| | EV-2 | The back slot of the fume hood is greater than 50% obstructed. |
| | EV-3 | The fume hood or Exposure Control Device (ECD) has not been inspected or tagged within the assigned testing interval. |

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| | EV-4 | Fume hood components are damaged, modified, or missing. |
| | EV-99 | Other Exhaust Ventilation Finding (see guidance for details). |
| Radiation Safety | | |
| | RS-1 | Radioactive Material Inventory and/or Use Logs were not up to date. |
| | RS-2 | Radioactive material waste not managed properly. |
| | RS-3 | Stock radioactive material was not secure. |
| | RS-4 | Survey meter was out of calibration or not working. |
| | RS-5 | Radioactive material warning is not properly posted, or an old posting/label must be removed. |
| | RS-99 | Other Radiation Safety Finding (see details). |
| Laser Safety | | |
| | LS-1 | Area was not posted with the appropriate 3B/4 laser sign. |
| | LS-2 | A "Laser in Use" warning light was not properly installed outside room. |
| | LS-3 | Class 3B/4 laser SOP was not posted. |
| | LS-4 | Appropriate eyewear for laser was not available, is damaged, or is not being stored properly. |
| | LS-5 | Class 3B/4 laser was not registered with the Radiation Protection Program (RPP), or the laser inventory is inaccurate. |
| | LS-6 | Laser light is not adequately controlled. |
| | LS-7 | Lighted "Laser in Use" sign is not operational or is not being used when necessary. |
| | LS-8 | Access to the laser lab is not controlled. |
| | LS-9 | Work stations in the laser area place the worker at eye-level with the laser. |
| | LS-99 | Other Laser Finding (see details). |
| Magnet Safety | | |
| | MS-1 | Magnet not registered with RPP. |
| | MS-2 | 5 Gauss line not clearly marked. |
| | MS-3 | Magnet warning sign not properly posted. |
| | MS-99 | Other Magnet Finding (see guidance details). |
| Personal Protective Equipment (PPE) | | |
| | PPE-1 | PPE suitable for hazards in the workplace is not available, is improperly stored, or is improperly maintained in poor condition. |
| | PPE-2 | Laboratory/shop personnel were not wearing eye protection, lab coats, gloves and other appropriate PPE. |
| | PPE-3 | Respiratory protection was not appropriate, maintained or stored properly. |
| | PPE-4 | Respirators are being used without an EHS evaluation and approval. |
| | PPE-99 | Other PPE Finding (see details). |
| Electrical Safety | | |
| | ES-1 | Extension cords were not used properly (e.g., daisy chained, used in place of permanent wiring). |
| | ES-2 | Electrical equipment, cords, plugs and wiring were not maintained in good condition. |
| | ES-3 | An appropriate High Voltage warning sign was not posted. |
| | ES-4 | Access to an electrical panel was obstructed. |
| | ES-5 | An area where wet conditions are anticipated was not protected by a Ground Fault Circuit Interrupter (GFCI). |
| | ES-6 | Exposed electrical components were observed. |
| | ES-7 | Portable electric tools and equipment were not grounded/double insulated. |
| | ES-8 | Electrical service panel unlocked and/or missing panel cover. |
| | ES-99 | Other Electrical Safety Finding (see details). |
| Shop Safety | | |
| | SS-1 | Machine guarding was not present or was inadequate. |
| | SS-2 | Chemical (product) list was unavailable or incomplete. |
| | SS-3 | SDSs were not readily accessible. |

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| | SS-4 | Local ventilation was in need of evaluation. |
| | SS-5 | There was no current hot work permit, where required. |
| | SS-6 | Stationary power equipment was not secured in place. |
| | SS-7 | Emergency power cutoff switch not accessible or was not working. |
| | SS-99 | Other Shop Safety Finding (see details). |
| Other | | |
| | OTH-99 | Other Finding (see details). |