

# Laboratory Space Manager Self-Assessment Form

Rev 3 - 1/4/2006

Assessment Date: \_\_\_\_\_ Bldg/Room: \_\_\_\_\_

Assessment Performed by (name/badge): \_\_\_\_\_

**Note: This is a suggested assessment tool. Lab areas must meet all applicable SBMS requirements.**

**A1 - Category: General SubCategory: General Work Environment (29 CFR J 1910.141, L-1910.159, D-1910.22, E-1910.37)**

A1.1.0 \_\_\_\_\_ Work areas are illuminated sufficiently to allow work to be done safely

A1.2.0 \_\_\_\_\_ Work areas are clean and orderly

- Exhibit: [General Fire Protection and Housekeeping Practices to Minimize Fire Loss](#)

A1.3.0 \_\_\_\_\_ Floors are maintained in clean & dry condition

A1.4.0 \_\_\_\_\_ Heavy items are stored on lower shelves

A1.5.0 \_\_\_\_\_ Excess equipment is stored or prepared for disposal

- Exhibit: [General Fire Protection and Housekeeping Practices to Minimize Fire Loss](#)

A1.6.0 \_\_\_\_\_ Storage is maintained at least 18 inches below and away from sprinkler heads

- Guideline: NFPA 13
- Subject Area: [Fire Protection, Prevention & Control](#)

A1.7.0 \_\_\_\_\_ Work areas are free from obstructions and trip hazards

A1.8.0 \_\_\_\_\_ Alternate exits available where required

- Exhibit: [Factors Affecting Egress](#)

A1.9.0 \_\_\_\_\_ Fire doors are not blocked or wedged open

- Exhibit: [Factors Affecting Egress](#)

A1.10.0 \_\_\_\_\_ Exit doors are unlocked when the room is occupied

- Exhibit: [Factors Affecting Egress](#)

**B1 - Category: Chemical SubCategory: Chemical Use and Storage (29 CFR 1910 N-.176, Z-.1200)**

B1.1.0 \_\_\_\_\_ Eyewash and safety showers are available in close proximity, unobstructed, and

inspected

B1.2.0 \_\_\_\_\_ Incompatible chemicals are properly segregated

- Guideline: [Guidelines: Recognized Industrial Practices for Activities Involving Storage, Handling and Use of Hazardous Chemicals](#)
- Guideline:
  - Acid - bases segregated
  - Oxidizers - flammables segregated
  - Mineral acids - organic solvents segregated

B1.3.0 \_\_\_\_\_ Time sensitive chemicals marked with open date and dispose by date

- Guideline:
  - Polymer formers
  - Peroxide-forming compounds
  - Potentially shock sensitive, explosive, and reactive chemicals are clearly marked and segregated
- Procedure: [Time/Condition-Sensitive Chemicals](#)

B1.4.0 \_\_\_\_\_ Chemicals are entered into HMMS, individual containers are bar coded, and the inventory is current

- Procedure: [Maintenance of Hazardous Materials Inventory](#)

B1.5.0 \_\_\_\_\_ **Lab operates under Lab Standard**

- Guideline:
  - Training of workers is up to date, including chemical hygiene plan reading and site specific training
  - All chemical containers are properly labeled
  - MSDSs are available Eating and drinking are only allowed in designated areas
- Procedure: [Planning for the Use of Hazardous Chemicals](#)
- Procedure: [Procuring Hazardous Material \(HM\)](#)
- Procedure: [Training/Awareness for Use of Hazardous Chemicals](#)

B1.6.0 \_\_\_\_\_ **Lab operates under HAZCOM**

- Guideline:
  - HAZCOM training of workers is up to date
  - MSDSs are available
  - All chemical containers are properly labeled with chemical name and target organs affected
- Procedure: [Planning for the Use of Hazardous Chemicals](#)
- Procedure: [Procuring Hazardous Material \(HM\)](#)
- Procedure: [Training/Awareness for Use of Hazardous Chemicals](#)

B1.7.0 \_\_\_\_\_ Flammable Liquid Storage Cabinets properly used

- Guideline: Combustible materials are minimized, especially cardboard containers
- No pressurized containers
- Guideline: [Fire Protection for Laboratory Facilities](#)

- Procedure: [Storing and Handling Flammable and Combustible Liquids](#)
- Exhibit: [Handling or Storing Flammable Materials in Enclosures/Hoods](#)

B1.8.0 \_\_\_\_\_ Local exhaust inspections are current or equipment is marked **Out of Service**

- Procedure: [Inspecting and Maintaining LEV systems](#)

B1.9.0 \_\_\_\_\_ Ventilation hoods, vents, and baffles are kept free of obstructions that limit free air flow

- Guideline: [Recommended Lab Hood Safety Practices](#)

B1.10.0 \_\_\_\_\_ Ventilation hood sashes are maintained in an appropriate position when in use

- Guideline: [Guideline: Recommended Lab Hood Safety Practices](#)

B1.11.0 \_\_\_\_\_ Containers are free from leaks

B1.12.0 \_\_\_\_\_ Chemical storage is minimized in actively used hoods

**C1 - Category: Waste Generation and Disposal SubCategory: Waste Generation and Disposal (29CFR 1910 H-120, 40 CFR 262.34, 40 CFR 761)**

C1.1.0 \_\_\_\_\_ Satellite area contain less than 1 quart of acutely hazardous waste or 55 gallons of hazardous waste (container volume)

C1.2.0 \_\_\_\_\_ Waste operator is the operator of the waste generating process and training is current

C1.3.0 \_\_\_\_\_ Satellite area is serving an active waste generating process

C1.4.0 \_\_\_\_\_ Satellite area is at or near the point of waste generation

- Procedure: [Establishing a Satellite Accumulation Area](#)

C1.5.0 \_\_\_\_\_ Satellite area records are current and the area is orderly

C1.6.0 \_\_\_\_\_ Unknowns are managed as hazardous waste pending characterization

- Procedure: [Generating Hazardous and Mixed Wastes](#)

C1.7.0 \_\_\_\_\_ PCB waste storage is limited to no more than 9 months

- Procedure: [Operating PCB Waste Storage Area](#)

C1.8.0 \_\_\_\_\_ Containers are kept closed except during transfer

- Procedure: [Generating Hazardous and Mixed Wastes](#)
- Procedure: [Operating PCB Waste Storage Area](#)

C1.9.0 \_\_\_\_\_ Waste containers are labeled properly

- Procedure: [Generating Hazardous and Mixed Wastes](#)

C1.10.0 \_\_\_\_\_ Constituents of the waste are described on the container label or other documentation, such as the log book

- Procedure: [Generating Hazardous and Mixed Wastes](#)

C1.11.0 \_\_\_\_\_ Process waste sinks and other drains are properly labeled

C1.12.0 \_\_\_\_\_ Containers are compatible with waste

- Procedure: [Generating Hazardous and Mixed Wastes](#)
- Procedure: [Packaging Hazardous and Mixed Waste](#)

C1.13.0 \_\_\_\_\_ No open conduit to the environment where chemicals are used or stored (e.g., floor drain routed to storm sewer)

- Subject Area: [Wastewater, Managing](#)

C1.14.0 \_\_\_\_\_ **Radiological Waste**

C1.15.0 \_\_\_\_\_ Solid radiological waste staging area is established

- Procedure: [Establishing and Managing Radioactive Waste Staging Areas](#)

C1.16.0 \_\_\_\_\_ Radiological waste containers are appropriately labeled (including bar code labels)

- Procedure: [Establishing and Managing Radioactive Waste Staging Areas](#)

C1.17.0 \_\_\_\_\_ A waste container log sheet is maintained

- Procedure: [Managing and Packaging Radioactive Waste](#)

C1.18.0 \_\_\_\_\_ Radiological waste accumulation and staging areas are posted according to requirements

- Procedure: [Establishing and Managing Radioactive Waste Staging Areas](#)

C1.19.0 \_\_\_\_\_ Monthly inspections of radioactive waste staging areas are conducted and documented

- Procedure: [Establishing and Managing Radioactive Waste Staging Areas](#)

**D1 - Category: PPE SubCategory: Personal Protective Equipment (29 CFR I-1910.132, .133, .134, .135, .137)**

D1.1.0 \_\_\_\_\_ RSSs reflect PPE hazard assessment and training or alternate PPE assessment has been conducted and documented.

- Guideline: [Certification of Hazard Assessment](#)
- Subject Area: [Personal Protective Equipment](#)

D1.2.0 \_\_\_\_\_ Areas requiring the use of eye protection are posted and appropriate eyewear is available at the entrance

- Procedure: [Eye and Face Protection](#)

D1.3.0 \_\_\_\_\_ Areas requiring the use of hearing protection are posted and hearing protection is available at the entrance

- Procedure: [Hearing Protection](#)

D1.4.0 \_\_\_\_\_Respirator use

- Subject Area: [Respiratory Protection](#)

D1.5.0 \_\_\_\_\_Gloves appropriate for the work are available and in good condition

- Procedure: [Hand Protection](#)

**E1 - Category: Electrical SubCategory: Electrical Hazards (29 CFR 1910 S-.303, .304, .305, .334)**

E1.1.0 \_\_\_\_\_Access is maintained for machine and emergency disconnects and shutoffs

E1.2.0 \_\_\_\_\_No exposed electrical conductors for circuits >50V within 8ft of floor

- Exhibit: [Electrical Rules and Practices](#)

E1.3.0 \_\_\_\_\_Circuit breaker and disconnect panels are kept clear for 36 inches

- Exhibit: [Electrical Rules and Practices](#)

E1.4.0 \_\_\_\_\_Cover plates are in place for outlets, switches, and junction boxes

- Exhibit: [General Fire Protection and Housekeeping Practices to Minimize Fire Loss](#)
- Exhibit: [Electrical Rules and Practices](#)

E1.5.0 \_\_\_\_\_Multi-plug adapters have overload protection

E1.6.0 \_\_\_\_\_Extension cords are in good condition with no damaged insulation or splices

- Exhibit: [Electrical Rules and Practices](#)

E1.7.0 \_\_\_\_\_Extension cords are for temporary use (less than 90 days) and are not used in place of permanent wiring

- Exhibit: [Electrical Rules and Practices](#)

E1.8.0 \_\_\_\_\_Ground fault circuit interrupters (GFCI) are used for wet/exterior use

E1.9.0 \_\_\_\_\_Electrical panels are labeled

- Guideline: NFPA 70E

E1.10.0 \_\_\_\_\_Energized cords are not draped over conductive surfaces

E1.11.0 \_\_\_\_\_Cords are not lying in walkways or subject to damage

- Exhibit: [Electrical Rules and Practices](#)

E1.12.0 \_\_\_\_\_Flexible power cords are not run through walls or floor openings or overhead above ceiling tiles

- Exhibit: [Electrical Rules and Practices](#)

E1.13.0 \_\_\_\_\_ Electrical tools are properly grounded or double insulated and in good general condition

- Exhibit: [Electrical Rules and Practices](#)

E1.14.0 \_\_\_\_\_ Safety interlocks are tested and functional

**F1 - Category: Compressed Gases SubCategory: Compressed Gases (29 CFR 1910.6, H-.101, CFA Pamphlets S-1.1-1961, 1963 & 1965 & 1.2-1963)**

F1.1.0 \_\_\_\_\_ Appropriate controls are in place for toxic or flammable gases, such as

- Guideline:
  - Minimize inventory
  - Use fume hoods or ventilated gas cabinets
  - Install flow restrictors
- Procedure: [Installing Compressed Gas Systems](#)
- Procedure: [Planning Elements for Using Compressed Gases/Systems](#)

F1.2.0 \_\_\_\_\_ Toxic gas point of use is under negative pressure and exhausted to ventilation system

- Exhibit: [Requirements for Handling and use of Compressed Gas Cylinders](#)

F1.3.0 \_\_\_\_\_ Metal or other robust tubing is used for toxic for flammable gases

- Exhibit: [Installing Compressed Gas Systems](#)

F1.4.0 \_\_\_\_\_ Cylinders are labeled with contents

- Exhibit: [Requirements for Handling and use of Compressed Gas Cylinders](#)

F1.5.0 \_\_\_\_\_ Work area properly ventilated

- Exhibit: [Requirements for Handling and use of Compressed Gas Cylinders](#)

F1.6.0 \_\_\_\_\_ Flammable gas cylinder systems are properly grounded

- Exhibit: [Requirements for Handling and use of Compressed Gas Cylinders](#)

F1.7.0 \_\_\_\_\_ Cylinders are secured from tipping

- Exhibit: [Requirements for Handling and use of Compressed Gas Cylinders](#)

F1.8.0 \_\_\_\_\_ Cylinder carts are available for transport

- Exhibit: [Requirements for Handling and use of Compressed Gas Cylinders](#)

F1.9.0 \_\_\_\_\_ Protective valve caps are in place when cylinder is not in use

- Exhibit: [Gas Cylinders Storage Requirements](#)
- Exhibit: [Requirements for Handling and use of Compressed Gas Cylinders](#)

F1.10.0 \_\_\_\_\_ Empty or unused gas cylinders are promptly returned to supplier

- Exhibit: [Gas Cylinders Storage Requirements](#)
- Exhibit: [Requirements for Handling and use of Compressed Gas Cylinders](#)

F1.11.0 \_\_\_\_\_ Flexible gas tubes are not run through walls, floor openings or overhead above ceiling tiles

- Exhibit: [Installing Compressed Gas Systems](#)

F1.12.0 \_\_\_\_\_ Compressed gas regulators are appropriately stored, tested and used

- Exhibit: [Requirements for Using Compressed Gas Regulators](#)

F1.13.0 \_\_\_\_\_ Low pressure torches are appropriately installed and inspected.

- Exhibit: [Installing Compressed Gas Systems](#)

**G1 - Category: Cryogenics SubCategory: Cryogenics (29 CFR N-1910.132, I-.138, G-.94, I-.132)**

G1.1.0 \_\_\_\_\_ Personal protective equipment is available to prevent skin contact

- Guideline: [Guidelines for Selecting and Using Eye and Face Protection](#)

G1.2.0 \_\_\_\_\_ Cryogenics are used and dispensed only in areas with good ventilation

- Guideline: [Recognized Industrial Practices for Activities Involving the Storage, Handling and Use of Hazardous Chemicals](#)

G1.3.0 \_\_\_\_\_ Containers are vented or pressure relief devices are provided

- Guideline: [Recognized Industrial Practices for Activities Involving the Storage, Handling and Use of Hazardous Chemicals](#)

G1.4.0 \_\_\_\_\_ Glass dewars are shielded or wrapped in tape

- Guideline: [Recognized Industrial Practices for Activities Involving the Storage, Handling and Use of Hazardous Chemicals](#)

**H1 - Category: Postings SubCategory: Planning/Postings (29 CFR J-1910.145, L-.160, K-.151, J-.141, Z-.1200, N-.178)**

H1.1.0 \_\_\_\_\_ Hazards, entry requirements, and contact information are posted at the door

- Procedure: [Maintaining ISM in Laboratory Space](#)

H1.2.0 \_\_\_\_\_ Refrigerators and freezers are posted Not for Food Storage

H1.3.0 \_\_\_\_\_ Ice making machines are posted Not for Human Consumption

H1.4.0 \_\_\_\_\_ Obsolete signage has been removed

**I1 - Category: Pressure Vessels SubCategory: Pressure Vessels and Vacuum Chambers (29**

**CFR H-1910.101, 49 CFR .171-177)**

- I1.1.0 \_\_\_\_\_ System components are commercially certified and rated for proposed pressures used
- Subject Area: [Pressure Vessels and Related Components](#)
- I1.2.0 \_\_\_\_\_ Pressure vessels larger than six inches in diameter are code stamped or have been exempted
- Subject Area: [Pressure Vessels and Related Components](#)
- I1.3.0 \_\_\_\_\_ Pressure relief valves are certified
- Subject Area: [Pressure Vessels and Related Components](#)
- I1.4.0 \_\_\_\_\_ Pressure hoses and vent lines are positively secured
- Exhibit: [Installing Compressed Gas Systems](#)
- I1.5.0 \_\_\_\_\_ Vacuum chambers are electrically grounded
- I1.6.0 \_\_\_\_\_ Viewports are protected from accidental impact when under pressure or vacuum

**J1 - Category: Lasers SubCategory: Lasers (ANSI Z136.1)**

- J1.1.0 \_\_\_\_\_ Class 3b and 4 lasers have been evaluated by the Laser Safety Officer
- Procedure: [Planning to Work with Lasers](#)
- J1.2.0 \_\_\_\_\_ All lasers are properly labeled
- Procedure: [Purchasing or Acquiring Lasers and Laser Systems](#)
- J1.3.0 \_\_\_\_\_ Door postings are in place, when required
- J1.4.0 \_\_\_\_\_ PPE identified by the Laser Safety Officer is available and in good condition
- Procedure: [Working with Lasers or Laser Systems](#)
- J1.5.0 \_\_\_\_\_ Interlocks and other warning devices functioning, when required
- Procedure: [Working with Lasers or Laser Systems](#)
- J1.6.0 \_\_\_\_\_ Appropriate laser training is complete
- Procedure: [Ensuring Worker Training and Qualification](#)

**K1 - Category: Fire SubCategory: Fire Hazards**

- K1.1.0 \_\_\_\_\_ Exits are operational and clear of obstructions
- Exhibit: [Factors Affecting Egress](#)

- K1.2.0 \_\_\_\_\_ Emergency lights are functional
- Procedure: [Maintaining/Modifying Fire Protection Systems and Equipment](#)
- K1.3.0 \_\_\_\_\_ Non exit doors are labeled **Not An Exit**
- Procedure: [Maintaining Life Safety](#)
- K1.4.0 \_\_\_\_\_ Fire extinguisher locations are properly identified
- Exhibit: [General Fire Protection and Housekeeping Practices to Minimize Fire Loss](#)
- K1.5.0 \_\_\_\_\_ Fire alarms pull stations are unobstructed
- Exhibit: [General Fire Protection and Housekeeping Practices to Minimize Fire Loss](#)
- K1.6.0 \_\_\_\_\_ Fire extinguishers are unobstructed
- Exhibit: [General Fire Protection and Housekeeping Practices to Minimize Fire Loss](#)
- K1.7.0 \_\_\_\_\_ No flammables or combustibles are stored adjacent to exit paths
- Procedure: [Storing and Handling Flammable and Combustible Liquids](#)
- K1.8.0 \_\_\_\_\_ Flammable gases volumes are kept below fire control zone limits (may be multiple labs)
- Procedure: [Storing and Handling Flammable and Combustible Liquids](#)
- K1.9.0 \_\_\_\_\_ Heat-producing appliances are operated appropriately
- Exhibit: [Heat Producing Appliances](#)

**L1 - Category: Radioactive SubCategory: Radioactive Material Use Areas**

- L1.1.0 \_\_\_\_\_ Radiation Work Permits (RWPs) and radiological survey maps are posted at access points
- Exhibit: [Guidelines for Postings](#)
- L1.2.0 \_\_\_\_\_ PPE, administrative and engineering controls identified in RWP are present and operational
- Procedure: [Preparing for Radiological Work: General Preparation Activities](#)
- L1.3.0 \_\_\_\_\_ Radiological postings and boundary markers are in place
- Procedure: [Preparing for Radiological Work: General Preparation Activities](#)
  - Exhibit: [General Radiological Posting Requirements](#)
- L1.4.0 \_\_\_\_\_ Radiological materials are either restricted to Radioactive Material Area boundaries or are properly labeled
- Subject Area: [Posting, Labeling, and Control of Radioactive Materials](#)

- L1.5.0 \_\_\_\_\_ Sealed source inventory is current
- Procedure: [Inventory and Integrity Testing of Sealed Radioactive Sources](#)
- L1.6.0 \_\_\_\_\_ Sealed source integrity checks were done within the last 6 months
- Procedure: [Inventory and Integrity Testing of Sealed Radioactive Sources](#)
- L1.7.0 \_\_\_\_\_ Gloveboxes are posted with whole body and extremity dose rates
- L1.8.0 \_\_\_\_\_ Vacuum cleaners are appropriately labeled and controlled
- Exhibit: [Labeling and Use of Portable High Efficiency Particulate Air \(HEPA\) Vacuums](#)

**M1 - Category: Biological SubCategory: Biological Hazards**

- M1.1.0 \_\_\_\_\_ Biological operations and exposures have been reviewed by the Institutional Biosafety Committee and IRB, if required
- Procedure: [Working with Biological Materials](#)
- M1.2.0 \_\_\_\_\_ Laboratories at Biosafety Level 2 (BSL2) or above are posted and access is restricted
- Exhibit: [Special Microbiological Practices for Biosafety Level 2 Microorganisms](#)
- M1.3.0 \_\_\_\_\_ Biosafety cabinets in use are currently certified for BSL 2 work
- Exhibit: [Special Microbiological Practices for Biosafety Level 2 Microorganisms](#)
- M1.4.0 \_\_\_\_\_ A sharps program is operational, if required
- Procedure: [Working with Bloodborne Pathogens Derived from Humans](#)
  - Exhibit: [Special Microbiological Practices for Biosafety Level 2 Microorganisms](#)
- M1.5.0 \_\_\_\_\_ Biohazardous waste is marked and segregated
- Procedure: [Disposing of Biological Materials](#)
- M1.6.0 \_\_\_\_\_ Bloodborne pathogens training is current, if required
- Procedure: [Working with Bloodborne Pathogens Derived from Humans](#)

**N1 - Category: Ionizing Radiation SubCategory: Ionizing Radiation Generating Equipment**

- N1.1.0 \_\_\_\_\_ A Radiation Work Permit (RWP) (if applicable) is posted at access points
- N1.2.0 \_\_\_\_\_ PPE, administrative and engineering controls identified in the RWP are present and operational
- Procedure: [Preoperational Reviews of RGDs](#)
  - Procedure: [Preparing for Radiological Work: General Preparation Activities](#)

N1.3.0 \_\_\_\_\_ Instrument are posted appropriately

- Procedure: [Preoperational Reviews of RGDs](#)

N1.4.0 \_\_\_\_\_ Required interlocks have been tested and are functional

- Procedure: [Maintenance of RGD Safety Features](#)
- Procedure: [Performing 6-Month Tests of RGDs](#)
- Procedure: [Routine Operations of RGDs](#)

## **N2 - Category: Non-Ionizing Radiation    SubCategory: Non-Ionizing Radiation Generating Equipment**

N2.1.0 \_\_\_\_\_ Non-ionizing equipment has been evaluated

- Guideline: [Guidelines for Working Near or With Nonionizing Radiation](#)
- Procedure: [Working with Nonionizing Radiation](#)

N2.2.0 \_\_\_\_\_ PPE, administrative and engineering controls have been identified and are operational

- Guideline: [Guidelines for Working Near or With Nonionizing Radiation](#)
- Procedure: [Working with Nonionizing Radiation](#)

N2.3.0 \_\_\_\_\_ Areas are posted with appropriate warning signs

- Guideline: [Guidelines for Working Near or With Nonionizing Radiation](#)
- Procedure: [Working with Nonionizing Radiation](#)

## **O1 - Category: Confined Space    SubCategory: Confined Space**

O1.1.0 \_\_\_\_\_ Confined spaces have been appropriately identified, evaluated, classified and labeled

- Procedure: [Identifying, Evaluating, Classifying, and Reclassifying Confined Spaces](#)

O1.2.0 \_\_\_\_\_ Permit Required Confined Spaces have permits for entry

- Procedure: [Entering Permit-Required Confined Spaces](#)
- Exhibit: [Rules for Permit-required Confined Spaces](#)

O1.3.0 \_\_\_\_\_ Confined space entrants and attendants are trained

- Guideline: [A Pocket Guide to the Job Hazard Evaluation of a Confined Space Entry](#)
- Procedure: [Entering Permit-Required Confined Spaces](#)
- Exhibit: [Rules for Permit-required Confined Spaces](#)

## **P1 - Category: Elevated Work    SubCategory: Elevated Work Levels**

P1.1.0 \_\_\_\_\_ Ladders and step stools have safety feet to prevent slipping

- Subject Area: [Ladders](#)

P1.2.0 \_\_\_\_\_ Portable steps with more than three steps have handrails

- Subject Area: [Ladders](#)

P1.3.0 \_\_\_\_\_ Fall protection systems are available for elevated work performed more than four feet above the surrounding area

- Procedure: [Walking/Working Surfaces and Fall Protection](#)

**Q1 - Category: Hoisting & Rigging SubCategory: Mechanical Lifting Devices**

Q1.1.0 \_\_\_\_\_ Documented lift procedures are available for lifting devices

- Subject Area: [Hoisting and Rigging](#)

Q1.2.0 \_\_\_\_\_ Load capacities are clearly marked on all lifting devices

- Subject Area: [Hoisting and Rigging](#)

Q1.3.0 \_\_\_\_\_ Lifting devices have current certification posted

- Subject Area: [Hoisting and Rigging](#)

Q1.4.0 \_\_\_\_\_ Approved lifting attachments are posted on lift trucks

- Subject Area: [Hoisting and Rigging](#)

Q1.5.0 \_\_\_\_\_ Lift device operator qualifications are current

- Subject Area: [Hoisting and Rigging](#)

Q1.6.0 \_\_\_\_\_ Portable fire extinguishers on gas forklifts have current inspections

- Subject Area: [Hoisting and Rigging](#)

Q1.7.0 \_\_\_\_\_ Crane controls and cranes have corresponding directions posted (N,E,S,W)

- Subject Area: [Hoisting and Rigging](#)

Q1.8.0 \_\_\_\_\_ Crane controls are legible

- Subject Area: [Hoisting and Rigging](#)

**R1 - Category: Machine Guarding SubCategory: Mechanical Power Transmission/Machine Guarding**

R1.1.0 \_\_\_\_\_ Access to Start and Stop controls access is not blocked

R1.2.0 \_\_\_\_\_ Administrative, engineering safety controls posted/used IAW manufacturer's recommendations

R1.3.0 \_\_\_\_\_ Machine guarding is in place and properly adjusted for rotating parts and pinch points

- Procedure: [Machine Guarding](#)
- R1.4.0 \_\_\_\_\_ External shielding is provided when rotating parts need exposure to conduct work
- Procedure: [Machine Guarding](#)
- R1.5.0 \_\_\_\_\_ Administrative controls are used where entry into operating test cells is required
- Procedure: [Machine Guarding](#)
- R1.6.0 \_\_\_\_\_ Stationary equipment is anchored to the floor
- Procedure: [Machine Guarding](#)
- R1.7.0 \_\_\_\_\_ Interlocks and safety devices are in place, operational and used, where required
- Procedure: [Machine Guarding](#)

**S1 - Category: Temperature Extremes    SubCategory: High/Low Temp Surfaces & Env Temperature Extremes**

- S1.1.0 \_\_\_\_\_ Medical monitoring is provided to workers who work in temperature extremes
- Guideline: [Guidelines for Thermal Stress](#)
  - Procedure: [Evaluating Temperature Extremes](#)
- S1.2.0 \_\_\_\_\_ Exposure to temperature extremes is controlled by administrative, engineering or PPE controls
- Guideline: [Guidelines for Glove Selection for Protection Against Mechanical Stressors and Temperature Extremes](#)
  - Guideline: [Guidelines for Thermal Stress](#)
  - Procedure: [Evaluating Temperature Extremes](#)
- S1.3.0 \_\_\_\_\_ Extreme temperature surfaces >50° C or < 0° C have warning signs or labels or are insulated or protected from contact
- Guideline: [Guidelines for Thermal Stress](#)
  - Procedure: [Evaluating Temperature Extremes](#)
- S1.4.0 \_\_\_\_\_ High temperature surfaces are separated from flammables and combustibles
- Guideline: [Guidelines for Thermal Stress](#)
  - Procedure: [Evaluating Temperature Extremes](#)
  - Exhibit: [Heat Producing Appliances](#)

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