

Helpful Inspection Tools

COMMON ELECTRICAL DEFICIENCIES

- Items blocking electrical disconnects or circuit breaker boxes.
- Open electrical boxes or panels exposing wires.
- Power cords passing through walls or ceilings.
- Live front electrical plugs.
- Out of date or no hot work permit.
- Ground Fault Circuit Interrupters not used within 6' of a sink location.
- Frayed power or extension cords used in laboratory experiments.
- Ganged (multiple) extension cords.
- Personal appliances not Underwriters Laboratory approved.
- Use of unapproved extension cords.
- Lack of current year Ground Fault Circuit Interrupter inspection sticker.
- Cables, wires or other items attached to conduit.

COMMON COMPRESSED GAS CYLINDER DEFICIENCIES

- Unsecured cylinder tanks.
- Cylinders in storage with regulators, or no protective covers.
- Oxidizers and flammable gases not separated by 20' or a firewall that is 5' high.
- Full and empty cylinders stored together.
- Lecture bottles not supported or stored correctly.

COMMON WALKING/WORKING SURFACE DEFICIENCIES

- Lack of delineation in changes of surface (ie: yellow Caution striping tape.)
- Ladders with cracked side rails, steps, or feet which are not stable.
- Tripping hazards.
- Use of metal ladders and step stools around electrical systems

COMMON HAZARD COMMUNICATION DEFICIENCIES

- Labeling of product not evident on bottles or containers.
- Employees not aware of hazards of materials being handled.
- No up to date inventory or inspection of items in a Satellite Waste Accumulation Area

COMMON PERSONAL PROTECTIVE EQUIPMENT DEFICIENCIES

- Lack of personal protective equipment in prescribed areas.
- Damaged or broken safety glasses, hard hats, etc.
- Goggles, face shields, hearing protection etc. not available
- Plastic or rubber gloves not selected correctly to protect against chemicals in use.

COMMON FIRE AND LIFE SAFETY DEFICIENCIES

- Storing combustibles by heat producing appliances.
- Hanging or attaching items to fire sprinkler pipe.
- Out of date or no Open Flame Permit.
- Lack of approved (UL/FM) flammable liquid storage cabinets.
- Approved flammable liquid cabinet with vent bungs missing.
- Emergency lighting inoperative.
- Exit lighting inoperative (exit signs, stair, corridor, exterior lighting, etc.).
- Blocked fire extinguisher access or inadequate signage..
- Exceeding flammable storage requirements within approved flammable liquid cabinets.
- Blocked paths of egress/exits.
- Storage of items within 18" of sprinkler heads.
- Painted sprinkler heads or missing escutcheons.
- Blocked or shielded emergency lighting.
- Fire Doors blocked open.
- Blocked sprinkler valve access.
- Excessive combustibles/poor housekeeping.
- Blocked exit discharge (snow, weeds, etc.). .
- Obstructed hydrants and post indicator valves.
- Debris.

COMMON INDUSTRIAL HYGIENE/CHEMICAL SAFETY DEFICIENCIES

- Storage of incompatible chemicals.
- Storage of acids not in secondary containment.
- Improper storage of chemicals. (Liquid chemicals should not be stored above eye level; chemical storage shelves should have a lip at all exposed edges or closable doors to prevent chemicals from being pushed over the edge).
- Laboratory hoods not current and posted for annual face velocity tests.
- Laboratories using chemicals not maintained at negative air balance condition.
- Lack of proper signage and barriers at lead storage and use areas.

COMMON SAFETY MAINTENANCE INSPECTION DEFICIENCIES

- Lack of weekly testing and documentation of eye wash stations.
- Lack of semi-annual safety shower testing and documentation.
- Lack of power tool inspection program.
- Lack of sling/hoist inspection program.
- Lack of monthly LOTO station audits.
- Lack of monthly Satellite Waste Accumulation Area inspections.

COMMON OFFICE SAFETY DEFICIENCIES

- Unstable cabinets.
- Housekeeping (clutter, storage on top of filing cabinets, etc.)
- Chemicals stored in offices.
- Unstable/broken office furniture.
- Items stored above 6' which could create a falling injury hazard.
- Poor ergonomic layout of computers and similar equipment leading to recordable work-related injuries.

COMMON MACHINE OR APPLIANCE GUARDING DEFICIENCIES

- Lack of guarding of power transmission applications below 7'. (Pump motor shafts, etc.)
- Lack of guarding of rotating hazards below 7'. (Fans, etc.)
- Lack of machine guarding reviews of newly acquired machines prior to and after purchase.
- Building/Division machine inventory not current
- Tool rest not to exceed 1/8"
- Tongue guard not to exceed _"

COMMON RADIOLOGICAL SAFETY AND ACCELERATOR TUNNEL ACCESS DEFICIENCIES

- Lack of TLD Badge in required areas.
- Lack of current radiological training.
- Lack of proper Group LOTO for tunnel work.
- Flashing magnet power supply, ACIS or other warning lights visible without proper signage or warnings.
- Work being performed without proper Work Request documentation.
- Work with Lead being performed without proper barriers, signage or PPE.

LASER

- Class 3 and Class 4 lasers not in division and ANL inventory and reviewed with Laser Safety Officer.
- Lack of laser safety SOP
- Lasers operated without approved interlocks/ safety interlocks
- Interlock documentation that reflects quarterly inspections
- Annual inspection of laser eye wear
- Checklist from laser safety officer posted

COMMON EXTERIOR DEFICIENCIES

- Blocked exit discharge (snow, weeds, etc.)
- Lighting rods and grounding cable not in place
- Obstructed hydrants and post indicator valves
- Debris

COMMON PRESSURE SAFETY ITEMS

- Corrosion on tubing, vessels or piping
- Evidence of gas or fluid leaks