

HAZARDOUS MATERIALS SELF INSPECTION CHECKLIST

Above Ground Storage Tanks of Flammable/Combustible liquids

- ☐ Tank is constructed to API or UL standards. This will be indicated on the tank nameplate.
- □ "No Smoking within 25 feet" sign present for outdoor use/dispensing or open/use. "No Smoking" for rooms storing flammable/combustible liquids.
- ☐ Tanks greater than 100 gallons storing Class I, II or IIIA liquids have appropriate placarding/labeling.
- Emergency vent is properly sized and functions correctly.
- Normal vent is 12' above ground (excludes CL IIIB liquids), and at least 5' from building opening or property lot lines.
- □ An approved overfill protection device shall be provided to prevent overfill of all Class I, II and IIIA liquids in aboveground storage tanks with a volume of 1320 gallons or more when located outside and in ALL tanks inside of buildings.
- Secondary containment meet requirement and is adequate.
- ☐ Hoses and nozzles are listed for petroleum service.
- Vehicle impact protection (i.e. bollards) is adequate.
- Electrical sources have adequate separation or appropriate classified electrical listing.
- ☐ There is a minimum 20 foot separation between tank storing flammable or combustible liquids and LP gas tanks.
- If fuel dispensing:
- ☐ Adequate separation from buildings and property lines.
- ☐ Fill instructions posted.
- Emergency instructions posted (if unattended).
- ☐ Shut-off valve within 20 to 100 feet and labeled.
- Nozzle is listed.
- ☐ Fire extinguisher with a minimum 2A:20 BC rating is located within a 75 foot travel distance.

Compressed Gases

- Portable cylinders/tanks secured.
- ☐ Caps or other valve protection in place.
- ☐ Stationary tanks, cylinders & containers have clearly visible labeling.
- ☐ Vehicle impact protection (i.e. bollards) adequate.
- ☐ Piping labeled with contents/direction of flow.
- ☐ Incompatibles separated by a 20 foot line of sight or other approved barrier.
- ☐ Flammable gases shall have an emergency shut-off at each point of use and at each source.
- "No Smoking" signs in place.



Flammable/Combustible/ Corrosive Liquids

- ☐ Grounding and bonding provided where Class I flammable liquids are being dispensed.
- ☐ Horizontal drums have listed self-closing valves.
- ☐ Drums have appropriate placards/labeling.
- ☐ When required, secondary containment is liquid tight.
- ☐ When required, spill control in-place around storage/use area.
- ☐ Containers greater than 30 gallons are stored no higher than 1 container high. Containers 30 gallons or less are stored no higher than 2 containers or 3 feet high.
- □ Appropriate separation of incompatibles (20' line of sight or barrier protection).

LP Gas-Above ground Tanks And Fill/Dispensing

- "No Smoking" sign present on all four sides of the LPG storage area.
- Emergency shut-off present and not painted.
- When required, emergency shut-off is within 25 to 100 feet of dispenser.
- ☐ Temperature-sensitive elements of emergency shutoff valve are not painted.
- There are no "double-block" conditions present on liquid service piping.
- ☐ Fill/withdrawal piping has appropriate excess flow valve protection.
- □ Liquid piping has thermal shut-off (fusible link) or positive shut-off valve if required by NFPA 58 5.7.7.
- ☐ Vehicle impact protection (i.e. bollards) adequate.
- No ignition sources within 25 feet.
- Containers do not show serious denting, bulging, gouging, or excessive corrosion.
- ☐ A minimum 2A:20B:C
- ☐ Fire extinguisher is located within 30 feet.

LP Gas-Portable Containers

- ☐ All portable LPG cylinders have valid expiration dates.
- Cylinders do not show serious denting, bulging, gouging, or excessive corrosion.
- □ Personnel who transfer liquid LPG are trained in proper handling procedures with refresher training held at least once every 3 years.
- Containers are NOT stored up-side-down. Ensure that the pressure relief device is in direct communications with the vapor space.

Flammable Spray Operations

- Construction permit is required for the installation of spray booth, spray room, spray area and powder coating booth.
- Operational permit required to spray flammable finishes.
- ☐ Interlock functions correctly.
- ☐ Filters are in place and clean.
- No excessive paint residue in spray booth.
- Sprinkler heads clean/protected.
- Electrical wiring/equipment listed according to IEC.
- ☐ Fire extinguisher mounted nearby.
- Approved lighting and glass panels.
- Waste cans are listed and equipped with self-closing lids.
- □ Solvent recycling or distillation unit meets 3405.4.

Welding and Cutting Operations

- Tanks secured. Caps in place.
- Acetylene & oxygen cylinders not in use separated by a 20 foot line of sight or other approved barrier.
- Operational permit for Hot Work
- ☐ Set pressure on acetylene gauge below 15 PSI.
- No combustibles store within 25 feet.
- □ "No Smoking" signs posted in use/storage areas.
- ☐ A minimum 2A:20B:C fire extinguisher located within 30 feet.

