

# Guidelines for Conducting a Visual Inspection of Propane Installations

## Disclaimer

These guidelines are intended to provide assistance and guidance for conducting visual inspections of propane installations. While efforts have been made to present current, accurate and pertinent information, these guidelines are not intended to be a complete reference guide for guiding the actions of a person authorized to conduct visual inspections of propane installations. Before applying these guidelines, a person authorized to conduct visual inspections of propane installations must weigh its applicability against the particular and unique circumstances of each installation, appliance, equipment and/or situation as well as other relevant legislation, regulations, codes, policies or other guidelines. TSSA is not responsible for any actions or omissions of any person authorized to conduct visual inspections of propane installations, or for the use of or reliance on the information contained in these guidelines, or for errors or omissions relating to the contents of these guidelines.

## Component/items to be checked for compliance

### 1. Containers: (cylinders or tanks)

- Cylinders in date
- Tank:
  - Working Pressure
  - CRN
  - Serial #
  - Capacity
- Protected from damage
- Shell:
  - Painted
  - free from rust & damage
- Support – piers, slabs, skid rails
- Grade base under container(s)
- Clearances maintained from:
  - Adjacent combustible/non-combustible walls
  - Air intake of any appliance or air moving equipment
  - Entrance/exit doors & operable windows
  - Property line
  - Source of ignition
  - Other propane tanks.
- Clear of combustibles
- Equipped with liquid level gauge as required

Equipped with relief valves:

- acceptable condition
- drain hole clear
- rain caps
- vent termination (building openings, air intakes,

- source of ignition)
- Distance to vapourizers
- Last inspection as per PGAC/OPA 100-6/13 and PTI 100-05/OPA-14

## **2. Appliances:**

- Appliances:
  - Type
  - Serial #
  - Approved
  - Input
- Clearances - combustibles, access
- Good structural condition – Rust, damage, missing panels
- Operation – clear of soot & carbon
- Venting – material that can be readily observed, configuration, condensation, rust, termination
- Masonry or oversized chimney's lined
- Combustion & Ventilation air

## **3. Regulator(s)**

- Two Stage regulation
- Protected from damage
- Properly supported – wall bracket and/or tank bracket
- Protected from weather
- Vent/relief termination:
  - acceptable location, openings, air intakes, ignition sources
  - protected from weather

## **4. Piping & Tubing:**

- Piping fittings, conform to requirements
- Provisions for vibration, expansion, contraction
- Supported
- Outside piping painted
- Underground protected from corrosion
- Gas tight
- Protected from physical damage
- Protected where it passes through outside walls
- Outside wall sealed where piping passes through
- Protected where it rises above grade
- Identified by either paint or banding
- Appliance & branch line shutoff valves

Description of deficiencies:

Plan to resolve: