



Purpose and Scope

To minimize the potential for and the impacts of an accidental release, through consistent storage site selection criteria and handling guidelines.

This Procedure applies to DMI Forest Resources Staff and Contractors.

Procedure

1. Pre-plan storage/set-up location(s) for propane tank(s):

- Current MSDS in an easily accessible location along with a current copy of the Emergency Preparedness and Response Plan including emergency contacts.
- Collision protection must be provided for containers and service lines located in vehicle traffic areas and must be at least 1 meter from the tank and service lines
- Readily ignitable materials, including weeds and long, dry grass shall be removed from within 3m (10 ft) of a container, and this area shall be kept clear of such material at all times
- Large supply tanks should be located away from regular pedestrian and vehicle traffic areas but easily accessible to fuelling trucks.
- A tank or tanks with aggregate capacity > 7500L must be installed:
 - i. A minimum of 7.5m (25 ft) horizontally from an overhead power line
 - ii. A minimum of 1.5m (5 ft) horizontally from an underground power line
- Tanks and associated equipment must be located at least 7.5m (25 ft) from drains, sewers, pits, etc.
- In general, tanks must be separated as follows:
 - i. If the propane tank is < 475 litres, it may be installed adjacent to combustible or flammable containers (if those containers are not exceeding 1150L in capacity)
 - ii. 1 meter (3 ft) from other flammable compressed gas containers
 - iii. 6 meters (20 ft) from flammable/combustible liquids, oxidizing/corrosive/toxic gas containers
- Cylinders are to be stored and secured upright and together in a designated area away from traffic, other combustibles and camp facilities.
- Cylinders in storage must be separated as follows:
 - i. May be installed adjacent to combustible or flammable containers if those containers are equal to or less than 250 litres
 - ii. 1 meter (3 ft) from other flammable compressed gas containers
 - iii. 6 meters (20 ft) from flammable/combustible liquids, oxidizing/corrosive/toxic gas containers

2. Propane Storage sites must be clearly identified with the following:

- WHMIS Labels
- TDG Placards
- No Smoking Signs

3. Inspections

- Inspections of propane storage sites will be conducted in accordance with FR-G013 Project Supervision and will be documented on CHK-011 Industrial Waste Fuel and Facility Inspection.





- During inspections ensure:
 - i. That valves, connections and hoses are in good repair and are not leaking,
 - ii. that bottles are secured in an upright position, valves are fully closed, and caps are on tight, and
 - iii. during winter periods, heating blankets or tiles on large tanks should also be checked to ensure that they are in good repair and working condition.

4. Training and Awareness

- Through discussions at safety meetings, ensure that staff are aware of:
 - i. The location of the storage site
 - ii. The location of Emergency Response Equipment (including PPE) and MSDS
 - iii. Emergency response procedures
- Those expected to respond to spills are to be trained in spill response, including PPE requirements.
- Ensure handlers/carriers are competent. Any employee having access to or that may be exposed to this product must:
 - i. be trained in WHMIS
 - ii. receive any additional training on company handling / storage practices or procedures
- TDG training is required for those expected to transport propane.
- Personnel performing installation, operation, and maintenance work on propane tanks shall be properly trained in such functions
- Transferring or refilling propane containers will be performed only by trained personnel holding a certificate

REVISION HISTORY

Original issued:	August 4, 2000	Author: G. Cunliffe
Revision 1:	May 9, 2005	Author: EMS Coordinator
Revision 1.1:	December 12, 2006	Author: EMS Coordinator
Revision 1.2	July 30, 2007	Author: EMS Coordinator
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APPROVAL

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