



Issue:

Due to the risk of injury to first responders from explosions caused by a buildup of flammable vapors and pressure inside the container, certain safety measures must be in place.

Requirements:

- Building permits are required to place shipping containers on property in conformance with Saanich Zoning regulations.
- Site plan showing location of container and all buildings on the property, with dimensions to property lines and other buildings.

Ventilation:

- Two vent openings to be installed:
 - One ventilation opening within 150mm of the floor, in the container door primarily used for opening.
 - One ventilation opening within 150mm from the top of the container at opposite end for cross ventilation.
 - Higher opening to have wind turbine designed to generate a venturi effect during low wind speeds.
- Minimum size of ventilation openings to be:
 - Two – 300mm X 300mm openings for containers 6 meters or less.
 - Two – 500mm X 500mm openings for containers over 6 meters.
 - Both openings to be covered by open grate wire mesh with >50% free area.
- **Container existing vents are NOT ACCEPTABLE.**
- **No electrical service to the container unless it exceeds all requirements of the BC Building Code, Fire and Electrical Codes for explosive/moist /wet environments.**