

## REQUIREMENTS FOR ASSEMBLING NURSE TANKS AND ASSOCIATED PIPING

**Nurse tanks** manufactured after January 12, 2018, must be stamped TC51<sup>1</sup> and are to be equipped with an applicable Emergency Discharge Control<sup>2</sup> (EDC) certified by a TC design engineer. TC51 tanks shall have a Transport Canada Registration Number (TCRN) used by a Transport Canada registered assembler to install the valves and components included in its TCRN design.

Nurse Tanks will be issued a Certificate of Compliance **only after** all the valves and accessories included in the TCRN are installed at a TC registered facility. This installation can no longer be done at a customer's location.<sup>3</sup>

### WAGONS

**Wagons** transporting TC51 Nurse Tanks<sup>4</sup> must completely contain the tank within its length. The tank is not to be mounted below the vehicle body or deck. It must have a rear-end protection capable of deflecting at least 6" horizontally forward without any contact with a part containing lading, and its design force is twice the combined weight of the full tank and the wagon.

If DyTerra does not mount the TC51 tank on a wagon, then it is the owner's responsibility to secure the tank as per the instructions provided by DyTerra.

### PIPING

**Piping** that was not part of the original TCRN design must be constructed as per B31.3. This includes plumbing after the first manual shutoff valve that facilitates a connection to an application system or interconnections between multiple tanks. This does not include the last hose that connects to the applicator.

### INSPECTIONS

The inspection period for all Nurse Tanks (including old ASME tanks) is as follow:

- External Visual inspection is annually for all.
- The pressure test is every **3 years**, but it can be every **5 years** if tanks meet one of the following conditions:
  - The Nurse Tank is TC51 stamped.
  - The ASME tank has a MAWP of 265 psi and is PWHT
  - The ASME tank has a MAWP of 250 psi, is PWHT, and it is demonstrated that it was designed for NH3 service<sup>5</sup>.

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<sup>1</sup> CSA B622-14 SR-55.

<sup>2</sup> CSA B622 5.2.6 .

<sup>3</sup> CSA B620\_8.1.1

<sup>4</sup> B622-14\_5.2.5.

<sup>5</sup> NH3 is stamped on the name plate or it is stated in the U-1A from.