Tank ID Code _____

TANK PRESSURE TEST (HYDROSTATIC) FORM

Current Test Date: _____ Last Test Date: _____

Information on Registered Facility	
Name of Registered Facility:	
Address:	
Town:	Province:
Postal Code:	Phone Number:
Tank Inspector or tester:	
Transport Canada Facility Registration Number:	

Tank Owner Data
Name of Tank Owner:
Address:
Telephone Number:

Step 1 : Tank Preparation	
All accessories have been removed	☐ Yes ☐ No
Tank Surface is clean	☐ Yes ☐ No
Loose and scaling paint have been removed	☐ Yes ☐ No
Loose or damaged decals have been removed	☐ Yes ☐ No
Comments or observations made during cleaning and tank preparations	
Record mark-up on the tank: List out all the decals	
SMV	☐ Accept ☐ Reject
UN 1005 4 Sides	☐ Accept ☐ Reject
Ammonia Inhalation Hazard decals, long sides	☐ Accept ☐ Reject
40 Kmh Speed - front	☐ Accept ☐ Reject
Emergency Phone #	☐ Accept ☐ Reject
Dealers Name and Location	☐ Accept ☐ Reject
B620 decals - dates, P & V test, facility #, tank code	☐ Accept ☐ Reject
Valve labels for liquid, vapour, spray fill	☐ Accept ☐ Reject
Transfer Procedures decal	☐ Accept ☐ Reject
Safety and First Aid decal	☐ Accept ☐ Reject

Step 2 : External Visual	
☐ Accept ☐ Reject **Comments:**	

Tank ID Code _____

Step 3 : Tank Data	
Is the data plate legible? Photo taken of data plate or copy on file?	☐ Yes ☐ No ☐ Yes ☐ No Rejection Criteria - Failure to meet the minimum standard requirement under B620-14 where the data plate shall be maintained in legible condition and as required during an external inspection

Data Plate Information:	Note: Copy data as displayed on plate. Do NOT convert units!	
Tank ID		
Serial Number		
CRN		
MAWP	☐ PSI	☐ kPa
Temperature Rating	☐ Fahrenheit	☐ Celsius
Tank Specification	☐ Non-Spec	☐ Spec (specify _____)
Manufacturer		
Manufacture Date		
Water Capacity	☐ Gallons	☐ Litres
Tank Barrel and Head Material	Heads _____	Barrel _____
Shell Thickness	☐ Inches	☐ Millimetres
Head Thickness	☐ Inches	☐ Millimetres
Post weld stress relieved	☐ Yes ☐ No	
Hydrostatic Test Cycle	☐ 5 years ☐ 3 years	

Step 4 : Removal of All External Accessories	
☐ Accept ☐ Reject	Removal of all non-essential tank appurtenance or accessories
Comments	

Step 5 : Venting the Nurse Tank	
☐ Accept ☐ Reject	Venting the Nurse Tank as per NTSCC 12.2.4 and in compliance with Ammonia code of Practice and the TDG Regulations
Comments	

Tank ID Code _____

Step 6 : Prepare Pump & Water Source	
Pressure relief valve in place	☐ Yes ☐ No
Gauges in place	☐ Yes ☐ No
Water supply, pump and hoses in place	☐ Yes ☐ No

Step 7 :	
Tank filled with water no warmer than 38º C	☐ Yes ☐ No Temperature _____ º C
☐ Accept ☐ Reject	The tank shall be pressurized to 1.5 times its MAWP (maximum allowable working pressure). See CSA B620 7.2.7.7(d) and Table 7.3. ☐ 400 PSI (265 psi rated tank x 1.5) _____Start Time: End Time: _____ ☐ 375 PSI (250 psi rated tank x 1.5) _____ Start Time: End Time: _____ For Twin Tank Wagons: • Pressure test each tank individually before pressure testing piping between tanks. • The annual hose inspection and pressure testing does NOT apply to hose assemblies less than 5 feet in length that are part of the piping system AND are pressure tested in accordance with clause 7.2.7.7 (e) during the hydrostatic pressure test. • A tank has successfully completed the pressure test if : a) The test pressure is retained for at least 10 (ten) minutes when isolated from the pressure supply. b) A visual examination of all external surfaces reveals no leakage, defects, or deformation.
Comments	
☐ Accept ☐ Reject	The tank excess flow valves shall be tested for mechanical operation: Refer to NTSCC Manual Section 12.2.4 Step 7. a) Liquid withdrawal valve b) Liquid fill valve c) Vapour fill valve
Comments	

Tank ID Code _____

Defects and Repair Data (if applicable)

Defects (if any)	Description	Remove	Repair	Method of Repair	Date of Repair (dd/mm/yyyy)	Tank Tester Initials

Replace PRV
Ensure PRV rating matches the data plate rating and record PRV expiry date.
PRV 1 PSI rating: **PRV 1 expiry date:**
PRV 2 PSI rating: **PRV 2 expiry date:**

Comments:

Tank Status After Hydrostatic & Visual Test

Tank removed from service for repairs	☐	
Tank returned to service	☐	
Tank to be scrapped	☐	

NOTE: Must be registered with Transport Canada (TC) to conduct any repairs to the structural integrity of the tank i.e. welding.

If any repairs have been performed directly on the tank body, please indicate the TC registered facility that conducted the repairs and attach the report.

Step 8 : Marking the Tank

If the tank has successfully passed the hydrostatic test, the following information shall be durably and legibly marked in letters no less than 32 mm (1.25 in) high on the tank shell near the metal identification plate or anywhere on the front head where it will be clearly visible from the ground:

1. Month and year of inspection.
2. The letter “P” (reflecting a Pressure test).
3. The last three digits of your facility registration number given by Transport Canada.
4. Optional designation for heat treated tanks on the 5 year hydrostatic testing schedule.

The markings should appear as follows: MM YY PV 123 (where “123” is the TC registered facility number).

Since an annual external visual inspection is always done as part of a hydrostatic test, a ‘V” will also be placed on the tank if it passes the hydrostatic test and inspection.

Markings applied as follows:

Month/Year of Hydrostatic Test	
“P” marking affixed	☐ Yes

Tank ID Code _____

Step 9 : Inspector or tester Certification

I certify that I have inspected the tank identified in this report in accordance with CSA B620 – 14	
Name of Tank Inspector or tester	
Signature of Tank Inspector or tester	
Date Inspection Completed	
Filed in Tombstone File	☐ Yes ☐ No

For Tanks That Are TC 51, or DOT51 only

Tank Constructed of (choose one)	☐ Quench Tempered (QT) Steel ☐ Non-quenched Tempered Steel
For QT Tanks: Since the last inspection, has each shipment of NH^3 contained at least 0.2% water by weight?	☐ Yes ☐ No
Tank stress relieved after manufacture? ☐ Yes ☐ No *Verify with information recorded on certificate of compliance issued by manufacturer.	Tank stress relieved after repair? ☐ Yes, see attached repair report ☐ No, not required as no repairs done.