Tank ID Code ___

ANNUAL EXTERNAL VISUAL INSPECTION FORM

Current Inspection Date: _____ Last Inspection Date: _____

Part 1 (a): Information on Registered Facility	
Name of Registered Facility:	
Address:	
Town:	Province:
Postal Code:	Phone Number:
Tank Inspector:	
Transport Canada Facility Registration Number:	

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

Step 1 : Tank Data		
Is the data plate legible?	☐ Yes ☐ No	Tank Spec to be inspected:
Photo taken of data plate or copy on file?	☐ Yes ☐ No	☐ TC51
U-1A form on file?	☐ Yes ☐ No	☐ Non-spec with CRN

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

Tank ID Code _____

Step 2 : 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 3 & 4 : Tank Inspection

Tank Shell Inspection ☐ Accept ☐ Reject	Inspect entire area of tank for dents, scrapes, distortions, gouges, bulges, cracks, signs of leakage or any other condition that might render it unsafe for transport (7.2.1.1 [a]). Refer to section 12.1 and section 14 of the NTSCC Manual and CSA B620 7.2.1.1 External Inspection. **List defects and locations below or use additional sheets if required. Diagrams and photos are helpful.**
Comments:	
☐ Accept ☐ Reject	Inspect entire area of tank for: corrosion, abrasions, and signs of leakage or any other conditions that might render it unsafe for transport (7.2.1.1 [a]). Refer to section 12.1 and section 14 of the NTSCC Manual and CSA B620 7.2.1.1 External Inspection. **List defects and locations below or use additional sheets if required. Diagrams and photos are helpful.**
Comments:	

Tank ID Code _____

☐ Accept ☐ Reject	Inspect entire surface area of tank for deteriorated paint. Refer to Appendix on paint quality. Minor paint deterioration can be touched up. Significant paint deterioration may require sandblasting and repainting. Refer to section 12.1 and section 14 of the NTSCC Manual and CSA B620 7.2.1.1 External Inspection. **List defects and locations below or use additional sheets if required. Diagrams and photos are helpful.**
Comments:	
☐ Accept ☐ Reject	Ensure all appurtenances (any tank part or accessory that has no product containment function and provides no structural support to tank [i.e. PRV guards, weld pad]) and attachments, support structures, or connecting structures are not damaged or corroded so as to affect safe operation of the tank (7.2.1.1[f]). Refer to section 12.1 and section 14 of the NTSCC Manual and CSA B620 7.2.1.1 External Inspection. **List defects and locations below or use additional sheets if required. Diagrams and photos are helpful.**
Comments:	
☐ Accept ☐ Reject	Inspect every weld on all appurtenances (any tank part or accessory that has no product containment function and provides no structural support to tank i.e. PRV guards, weld pad) for cracks, defects, or signs of leakage (7.2.1.1). Refer to Appendix W on weld quality. **List defects and locations below or use additional sheets if required. Diagrams and photos are helpful.**
Comments:	
☐ Accept ☐ Reject	Inspect every tank head circumference weld (front, mid tank and rear) for cracks, defects, or signs of leakage (7.2.1.1). Refer to Appendix W on weld quality. **List defects and locations below or use additional sheets if required. Diagrams and photos are helpful.**
Comments:	

Tank ID Code _____

☐ Accept ☐ Reject	Inspect every longitudinal (horizontal) tank weld for cracks, defects, or signs of leakage (7.2.1.1). Refer to Appendix W on weld quality. **List defects and locations below or use additional sheets if required. Diagrams and photos are helpful.**
Comments:	
☐ Accept ☐ Reject	Inspect all valves and welds around threaded coupling including self-closing stop valves, excess flow valves, and pressure relief valves for corrosion, distortion, wear, signs of leakage, or any other damage that would prevent their normal operation (7.2.1.1). Refer to Appendix W on weld quality. **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: _____** **List defects and locations below or use additional sheets if required. Diagrams and photos are helpful.**
Comments:	
☐ Accept ☐ Reject	For Twin Tank Wagons: Ensure all bolts or nuts on any flanged connection or blank flange are in place and properly tightened (7.2.1.1 (d)) **List defects and locations below or use additional sheets if required. Diagrams and photos are helpful.**
Comments:	
☐ Accept ☐ Reject	Ensure that hose assemblies mounted on or accompanying match the requirements of the CSA B620-14. Section 7 **List defects and locations below or use additional sheets if required.**
Comments:	

☐ Accept ☐ Reject	Hose markings are displayed as follows (7.2.10.6): • The month and year of test and inspection are either stamped on an end fitting or securely attached metal tag or washer • Ensure that letters on tag are not less than 5 mm (0.2 in.) high and depth and location of stamping shall not degrade the pressure rating of the hose • Serial number or identification number and the HAWP **List defects and locations below or use additional sheets if required.**
Comments:	
☐ Accept ☐ Reject	Corroded or abraded area of the tank wall shall have their thickness tested in accordance with Clause 7.2.1.3 **NOTE: Testing facility must be registered with Transport Canada (TC) to conduct thickness testing.** **If thickness testing is performed, please indicate the TC registered facility that conducted the thickness testing and attach the report.** **List defects and locations below or use additional sheets if required. Diagrams and photos are helpful.**
Comments:	
☐ Accept ☐ Reject	Inspect all re-closing pressure relief valves of any corrosion or damage that could prevent their safe operation. **List defects and locations below or use additional sheets if required**
Comments:	
☐ Accept ☐ Reject	Inspect all gauges (pressure gauge, float gauges, etc.) for corrosion, distortion, wear, signs of leakage, or any other damage that would prevent their normal operation. **List defects and locations below or use additional sheets if required**
Comments:	

Tank ID Code _____

Step 5 : Marking the Tank

If the tank has successfully passed the external visual (v) inspection, 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:

Tank test markings should be placed on the A end (hitch end) of the tank on the driver's side.

1. Month and year of inspection.
2. The letter "V".
3. The last four (4) digits of your facility registration number given by Transport Canada.

The markings should appear as follows: 06 08 V 0123 (where "0123" is the TC registered facility number).

Markings applied as follows:

Month/Year of Visual Inspection (MM/DD/YY)	
"V" marking affixed	☐ Yes ☐ No

Tank Status After External Visual Inspection

Tank removed from service for repairs	☐ Yes ☐ No Reason:
Tank returned to service	☐ Yes ☐ No
Tank to be scrapped	☐ Yes ☐ No

NOTE: Facilities 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.

For tanks that are TC51, 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 NH3 contained at least 0.2% water by weight?	☐ Yes ☐ No
Tank stress relieved after manufacture? *Verify with information recorded on certificate of compliance issued by manufacturer? U – IA or data plate	☐ Yes ☐ No

Step 6 : Inspector Certification

I certify that I have inspected the tank identified in this report in accordance with CSA B620 – 14

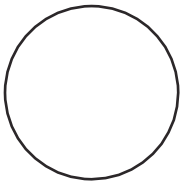
Name of Tank Inspector	
Signature of Tank Inspector	
Date Inspection Completed	
Filed in Tombstone file	☐ Yes ☐ No

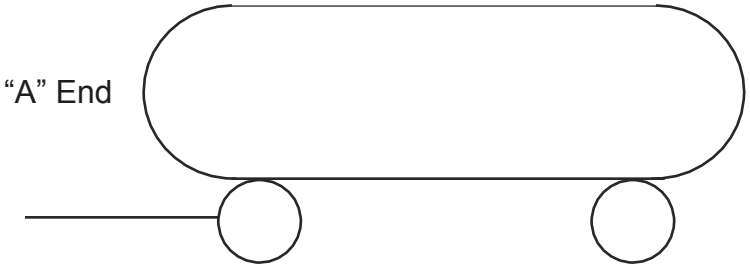
Tank ID Code _____

TANK DIAGRAM – External Inspection

Location of Tank Deficiencies discovered during external visual inspection:

"A" End





"B" End