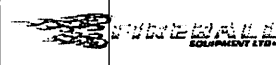


A92-7

	Checklist: ABOVEGROUND STORAGE TANK (AST)	Date	12 Sep 2024
		Customer	NCSG
		Technician	Mike Janssen

Site:	NCSG Ruth Lake	Job Number:	63053
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INSPECTION ITEMS – Flammable, Combustible AST Inspection Form
If fail is indicated, include reason in comments and further investigation is required.
GENERAL TANK INFORMATION

Tank Mfg: Transtank	Mfg Date: 2007
Serial #: TNTK401401	ULC Code: UL142 and ULC/ORD.C142.18
Volume: 12000	Single or Double Wall Tank: Dbl
Customer Tank Number: 401401-7	Tank Construction Material: Steel
Product Stored: Gasoline	Single or Multiple Compartments: Single
CPCA Certified Tech (Name and CPCA #): Mike Janssen	

INSPECTION ITEMS:
If fail is indicated, include reason in comments, photo of the issue and further investigation is required.

ITEM	DESCRIPTION	VERIFICATION	COMMENTS
1	Is the ULC noted above approved IAW NFC 4.3.1.2	☒ PASS ☐ FAIL	
2	Are there Propane or other pressurized gas cylinders within 3m or Propane Storage Tank within 6m of the AST, IAW NFC 4.3.2.3	☒ PASS ☐ FAIL ☐ NA	
3	Is there at least 1m (100cm) between AST's, IAW NFC 4.3.2.2	☒ PASS ☐ FAIL ☐ NA	
4	Distances; to building and property lines, NFC 4.3.2.1: - 3m to property line; - 3m to building >80,000 L; - 1.5m to building 2,500-80,000 L; - Zero <2500 L; and/or - Zero if tank is ULC S655?	☒ PASS ☐ FAIL ☐ NA	
5	Is collision protection in compliance with NFC 4.3.7.4(3):	☐ PASS ☒ FAIL ☐ NA	
6	Is there adequate collision protection for pipe risers (usually remote fills), IAW NFC 4.5.6.13?	☐ PASS ☒ FAIL ☐ NA	Due to above item not in compliance
7	Does the AST have a vent that terminates, IAW NFC 4.3.5.2: - outside of a building; - is no less than 2m above the adjacent surface for Class II or IIIA liquids on which the tank rests or 3.5m for Class I liquids; and - not less than 1.5m from any building opening?	☒ PASS ☐ FAIL ☐ NA	
8	Does the AST have an Emergency Vent(s) for both primary and secondary tanks?	☐ Yes ☐ No ☐ NA	
9	On a Dbl Wall tank, is the secondary containment monitored: - electronically; - visually; or - by vacuum? State means of monitoring, if by Vacuum record the gauge reading (must be no less than -13inHg or -44kpa).	Double wall, manual inspection – dip and visual	
10	AST support and foundation; - is on solid ground; - steel; or - concrete/masonry? Note: must not be on anything combustible, IAW NFC 4.3.3.1	☐ PASS ☒ FAIL ☐ NA	Container that holds tank is sitting on wooden dunage

11	Spill Control, is the ground and/or floor designed to keep spills away from waterways, storm sewers etc, IAW NFC 4.1.6.1 and 4.3.7.1?	☒ PASS ☐ FAIL ☐ NA	Self contained drip tray
12	IAW NFC 4.3.7, A Single Wall AST, secondary containment: - is made of non-combustible materials; - can hold a minimum of 110% of a single tank; - if multiple tanks, 10% more than the aggregate capacity of all storage tanks; and - the containment wall no closer than 1.5m to the tank shell	☐ PASS ☐ FAIL ☒ NA	
13	Is the AST product Identified on at least 2 sides of the AST, of a sufficient size to be visible from distance, IAW NFC 4.3.1.7?	☒ PASS ☐ FAIL ☐ NA	
14	Are all appropriate warning signs posted at or on the tank (eg: Non Smoking, No ignition sources, no cell phones and operating instructions)?	☐ PASS ☒ FAIL ☐ NA	Illegible due to UV fading
15	Is all piping made of non-combustible materials IAW NFC 4.5.2.1?	☒ PASS ☐ FAIL ☐ NA	
16	Is all piping labelled with product name IAW NFC 4.5.4.1?	☐ PASS ☐ FAIL ☒ NA	
17	Are there isolation/shut off valves on each side of an exterior wall (where applicable), IAW NFC 4.5.6.8?	☐ PASS ☐ FAIL ☒ NA	
18	Is indoor piping (where applicable) at least 1.8m above the floor, IAW NFC 4.5.6.1?	☐ PASS ☐ FAIL ☒ NA	
19	Is the AST equipped with an overfill prevention device, alarm or other means to alert at 95% capacity to prevent overfilling? NFC 4.3.1.8	☒ PASS ☐ FAIL ☐ NA	
20	Is the AST grounded and bonded IAW NFC 4.3.13.12 and NFPA 30 6.5.4.2?	☐ PASS ☒ FAIL ☐ NA	Grounding wire broken at back left corner
20A	Is there a grounding point for in-loading deliveries IAW NFC 4.7.4.5?	☐ PASS ☒ FAIL ☐ NA	no static reel/cable
21	For used oil, does the AST have a fixed suction tube. AHJ	☐ PASS ☐ FAIL ☒ NA	
22	For used oil. If a catch basin/drain tray is used to collect, then pump used oil to an AST, IAW NFC 4.3.6.4: - Has a shutoff valve on the piping to stop vapours from re-entering the bldg.; and - Is made of steel, including a steel lid with a fusible link.	☐ PASS ☐ FAIL ☐ NA	
23	Tanks (other than remote fill) is there a Fill point spill box on the tank?	☒ Yes ☐ No ☐ NA	
24	Is there access to within 60m of the storage tank for Fire Fighting IAW NFC 4.3.2.4?	☒ PASS ☐ FAIL ☐ NA	
25	Is there an appropriate Fire Extinguisher immediately accessible at the fuelling point (at both receiving and dispense), that is charged and current up to date inspection tag IAW NFC 2.1.5 and 4.6.9.1	☐ PASS ☒ FAIL ☐ NA	
26	Is there a Spill Kit on hand and labelled? IAW NFC 4.6.9.2	☐ PASS ☒ FAIL ☐ NA	Unlabeled
27	If the tank is inside a building, does the entrance door have the applicable placard, IAW NFC 4.3.14.5?	☐ PASS ☐ FAIL ☒ NA	
28	All tank top openings are covered or plug with non-combustible fitting IAW NFC 4.5.8.4?	☒ PASS ☐ FAIL ☐ NA	
29	Is there an ESD within 6-30m of the fuelling point and does it shut down the entire fuelling site? IAW NFC 4.6.4, (AB 2023 increased to 30m).	☐ PASS ☒ FAIL ☐ NA	No ESD

30	Have photo's been taken of all Failures, areas of concern and/or required?	☒ Yes ☐ No	
NOTES & COMMENT (list deficiencies by item number if described in this section): Item #5 – No collision protection, this affects item #6 as well; Item #10 – Container sitting on wooden dunnage; Item #14 – The warning signs are faded and thus ineffective; Item #20 – Grounding cable is broken/damaged (illegal splice); Item #20A – There is no Static reel or cable for re-fueler to bond to; Item #25 – There are no Fire Extinguishers present; Item #26 – Spill Kit present but, not labeled; and Item # 29 – There is no Emergency Shutdown Device.			

Technician	Mike Janssen	Signature	
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AST Aboveground Storage Tank
CPCA Canadian Petroleum Contractor's Association
ESD Emergency Shutdown Device
IAW In accordance with
NFC National Fire Code

References:

National Fire Code 2020
Alberta Fire Code 2023
Standata Fire Code Variance: 97 FCV 005