

Aboveground Storage Tank (AST) New Tank System Installation/First Fill Inspection Checklist

Approved for use by the Agency of Natural Resources on 8/1/2024

Aboveground storage tank (AST) inspections are required by the Aboveground Storage Tank Rules. Tank inspections are required to be conducted in accordance with Section 9-305 of the AST Rules (effective date 8/1/2024). This checklist is to be completed by a certified tank inspector completing the inspection.

Inspection Completed by: _____ Company: _____

Tank Owner Info:

Name:	Address:
City/Town:	Phone/email:

Type of Tank 12 GA Steel Single Wall 12 GA Steel Double Wall
 Fiberglass Single Wall Fiberglass Double Wall
 Double-wall tanks with Polyethylene or other plastic polymer inner wall and metallic outer wall
 Other Type: _____

Tank Location: Indoor Outdoor **Is tank located in a flood prone area?** YES NO
Number of Tanks in System: One Two or more (If 2+, each tank must be compliant with questions below)
Date of Tank Install: _____ (Date of install must be visibly identified on tank) **Tank Size:** _____ Gallons
 If this is a tank replacement, was the existing tank taken out of service and removed? YES NO

COMPLETE AFTER TANK INSTALLATION BUT BEFORE FIRST FILL: (The number at the end of each question refers to the tank diagram on page 3 of this checklist)	NA	YES	NO
Is the tank installed on a concrete pad at least 4 inches thick and a footprint exceeding dimensions of tank by at least 10%? (1) <i>Check NA only if an alternative foundation has been approved by the Agency in writing.</i> Provide Date of Approval _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are piping and fuel lines that are in direct contact with earthen materials or concrete, coated and sleeved to protect against corrosion and damage? (2) <i>Check NA only if pipes and fuel lines are not in direct contact with earthen material or concrete.</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is the vent line equipped with an operational overfill vent alarm that terminates within 12 feet of the fill pipe and is visible from the fill pipe? (3)		<input type="checkbox"/>	<input type="checkbox"/>
Is the fill and vent line diameter a minimum 1¼ inches and is fill and vent piping made of metal materials permitted by NFPA 31? Are fill and vent pipes fitted with appropriate caps? (4)		<input type="checkbox"/>	<input type="checkbox"/>
Is the entirety of tank surface and legs free of any cracks, significant corrosion, pitting, rust, spores, dents, and bulges? (5)		<input type="checkbox"/>	<input type="checkbox"/>
Does the tank have a shut-off valve within 12 inches of the AST fuel outlet? OR If tank draws fuel from the top of tank, is the shutoff valve installed before the fuel filter? (9)		<input type="checkbox"/>	<input type="checkbox"/>
Are all unused openings properly plugged/closed?		<input type="checkbox"/>	<input type="checkbox"/>
Are all tank legs no longer than 14 inches in length? (8) <i>Check NA only if longer legs were approved by the Agency in writing.</i> Provide Date of Approval _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Does the tank have an operational fuel level gauge? (7)		<input type="checkbox"/>	<input type="checkbox"/>

	NA	YES	NO
For tanks with Double Wall Protection: is the tank equipped with a functional interstitial leak detector? <i>(Leave response blank if single wall tank)</i>		<input type="checkbox"/>	<input type="checkbox"/>
For outdoor tanks: is the tank protected from hazards (falling ice and snow from roof)? (6) <i>Leave response blank for indoor tank.</i>		<input type="checkbox"/>	<input type="checkbox"/>
For indoor tanks- is tank located on the lowest floor of the structure? <i>Check N/A if an alternative location has been approved by Agency in writing; leave response blank for outdoor tank.</i> Provide Date of Agency Approval _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If there are multiple tanks, does each tank either have a separate fill and vent pipe or have a separate fill but manifolded vent pipe? <i>Check NA only if does not apply.</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
For tanks located in flood prone areas: is the tank anchored to concrete pad or alternative preapproved foundation and is the vent pipe of sufficient length to extend above projected flood level? <i>Check NA only if tank is NOT located in a flood prone area OR if you received written exemption from this requirement from the Secretary (Exemption Date: _____).</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

STOP! If any responses to the above questions are “NO”, the tank has not been installed in compliance with the Vermont AST Rules and cannot be filled. Unless the out-of-compliance issues can be addressed immediately, the tank must be **Red Tagged** and reported to the Agency within 5 days using the following link:

https://anrweb.vt.gov/DEC/ERT/Non_Compliant_AST.aspx

COMPLETE AFTER FIRST FILL FOR NEW INSTALLATIONS ONLY:	YES	NO
Is the system free of drips, leaks, or other evidence of a release?	<input type="checkbox"/>	<input type="checkbox"/>
Did the vent alarm function during the delivery?	<input type="checkbox"/>	<input type="checkbox"/>

If any responses to the above questions are “NO”, the tank has not been installed in compliance with the Vermont AST Rules and must be **Red Tagged** unless the out-of-compliance issues can be addressed immediately.

CERTIFICATION STATEMENT

I, _____, as the inspector of
(Print name and company)

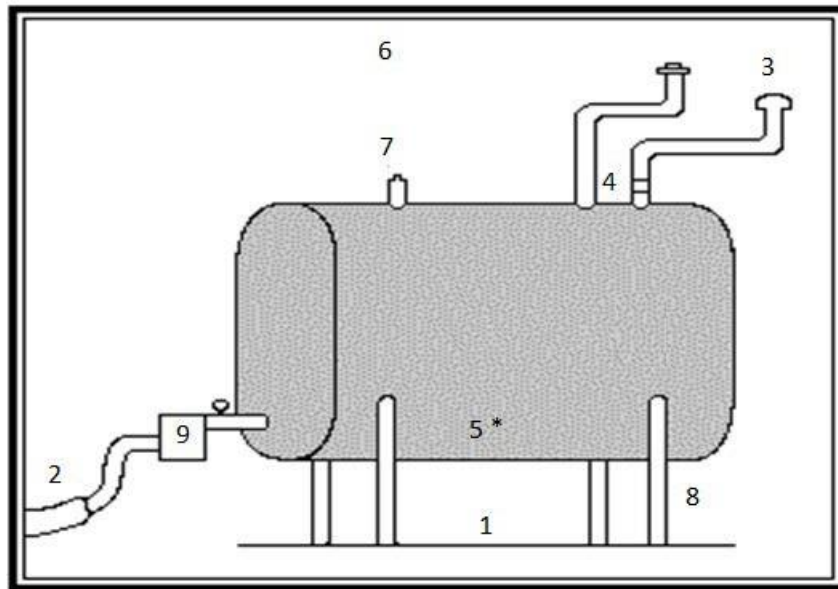
this AST do certify that the new installation located at _____
(Property address)

was inspected on: _____ and was found to be In Compliance with standards specified in 2024 VT AST Rules.
(Date) Not in Compliance

(Signature of certified tank inspector)

(Date)

The tank inspector is required to provide a copy of this completed checklist to the tank owner **within five business days** of the date of inspection. A copy of the completed checklist shall also be retained by the tank inspector for **four years** and shall be presented to the Agency of Natural Resources upon request.



DISCLAIMER: This inspection checklist has been developed to assist in performing AST inspections pursuant to the AST Rules, effective 08/01/2024. A full description of inspection requirements and other compliance information can be found in the Rules, located here:

<https://dec.vermont.gov/waste-management/storage-tanks/aboveground-storage-tanks-asts>

To use an alternative checklist to complete AST inspections, you must have the alternative checklist pre-approved for use by the Agency prior to use.

ANR Contact Information:

Main Office # 802-828-1138

Hazardous Materials Program Manager: Anna Bourakovsky (802) 477-2981

anna.bourakovsky@vermont.gov

Storage Tanks Section Supervisor: Michael Nahmias (802) 522-4595 michael.nahmias@vermont.gov

ANR Storage Tanks web page: <https://dec.vermont.gov/waste-management/storage-tanks>