



## FORM 1: STORAGE TANK SYSTEM INSPECTION CHECKLIST

**Instructions:** One inspection checklist per storage tank system. (\*) designates an item in non-conformance/unsatisfactory status; provide action in comment section to resolve problem and notify Environmental Protection Specialist if any significant deficiencies are identified.

**Regulatory Driver:** 40 CFR 112

**Frequency:** Monthly, not to exceed 35 days between inspections

TANK ID: \_\_\_\_\_ Date: \_\_\_\_\_

Location: \_\_\_\_\_ Tank Size: \_\_\_\_\_ Content: \_\_\_\_\_

Inspector: \_\_\_\_\_

### STI SP001 Monthly Inspection Checklist

**Inspection Guidance:**

- For equipment not included in this Standard, follow the manufacturer recommended inspection/testing schedules and procedures.
- The periodic AST Inspection is intended for monitoring the external AST condition and its containment structure. This visual inspection does not require a Certified Inspector. It shall be performed by an owner's inspector who is familiar with the site and can identify changes and developing problems.
- Upon discovery of water in the primary tank, secondary containment area, interstice, or spill container, remove promptly or take other corrective action. Before discharge to the environment, inspect the liquid for regulated products or other contaminants and disposed of it properly.
- (\*) designates an item in a non-conformance status. This indicates that action is required to address a problem.
- Non-conforming items important to tank or containment integrity require evaluation by an engineer experienced in AST design, a Certified Inspector, or a tank manufacturer who will determine the corrective action. Note the non-conformance and corresponding corrective action in the comment section.
- Retain the completed checklists for 36 months.
- **In the event of severe weather (snow, ice, wind storms) or maintenance (such as painting) that could affect the operation of critical components (normal and emergency vents, valves), an inspection of these components is required as soon as the equipment is safely accessible after the event.**

Item	Task	Status	Comments
<b>1.0 Tank Containment</b>			
1.1 Containment structure	Check for water, debris, cracks or fire hazard	Yes* No N/A	
1.2 Primary tank	Check for water	Yes* No	
1.3 Containment drain valves	Operable and in a closed position	Yes No* N/A	
1.4 Pathways and entry	Clear and gates/doors operable	Yes No* N/A	
<b>2.0 Leak Detection</b>			
2.1 Tank	Visible signs of leakage	Yes* No	
2.2 Secondary Containment	Visible signs of leakage from tank into secondary containment	Yes* No	
2.3 Surrounding soil	Visible signs of leakage	Yes* No N/A	
2.4 Interstice	Visible signs of leakage	Yes* No N/A	
<b>3.0 Tank Equipment</b>			
3.1 Valves	a. Check for leaks.	Yes* No N/A	
	b. Tank drain valves must be kept locked.	Yes* No N/A	
3.2 Spill containment boxes on fill pipe	a. Inspect for debris, residue, and water in the box and remove.	Yes* No N/A	
	b. Drain valves must be operable and closed.	Yes* No N/A	



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Item	Task	Status	Comments
3.3 Liquid level equipment	a. Both visual and mechanical devices must be inspected for physical damage.	Yes    No*    N/A	
	b. Check that the device is easily readable	Yes    No*    N/A	
3.4 Overfill equipment	a. If equipped with a "test" button, activate the audible horn or light to confirm operation. This could be battery powered. Replace the battery if needed	Yes    No*    N/A	
	b. If overfill valve is equipped with a mechanical test mechanism, actuate the mechanism to confirm operation.	Yes    No*    N/A	
3.5 Piping connections	Check for leaks, corrosion and damage	Yes*    No	
<b>4.0 Tank Attachments and Appurtenances</b>			
4.1 Ladder and platform structure	Secure with no sign of severe corrosion or damage?	Yes    No*    N/A	
<b>5.0 Other Conditions</b>			
5.1	Are there other conditions that should be addressed for continued safe operation or that may affect the site spill prevention plan?	Yes*    No	

NAS WORK ORDER#

DATE SUBMITTED

WORK ORDER STATUS

DATE COMPLETED

**Additional Comments:**

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Inspector: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_