

STI SP001 Annual Inspection Checklist (6th Edition)

General Inspection Information:

Inspection Date: _____ Prior Inspection Date: _____
 Inspector Name (print): _____
 Inspector's Signature _____
 Tank(s) inspected or ID #s _____

Inspection Guidance:

- This checklist is intended as a model. Locally developed checklists are acceptable as long as they are substantially equivalent (as applicable).
- 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 per paragraph 4.1.2 of the standard.
- Remove promptly standing water or liquid discovered in the primary tank, secondary containment area, interstice, or spill container. Before discharge to the environment, inspect the liquid for regulated products or other contaminants and disposed of it properly.
- In order to comply with EPA SPCC (Spill Prevention, Control and Countermeasure) rules, a facility should regularly test liquid level sensing devices to ensure proper operation (40 CFR 112.8(c)(8)(v)).
- 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 at least 36 months.
- Complete this checklist on an annual basis, supplemental to the owner monthly-performed inspection checklists.
- Note: If a change has occurred to the tank system or containment that may affect the SPCC plan, the condition should be evaluated against the current plan requirement by a Professional Engineer knowledgeable in SPCC development and implementation.

ITEM	STATUS	COMMENTS/DATE CORRECTED
Tank Foundation/Supports		
Free of tank settlement or foundation washout?	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Concrete pad or ring wall free of cracking and spalling?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	
Tank supports in satisfactory condition?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	
Is water able to drain away from tank if tank is resting on a foundation or on the ground?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	
Is the grounding strap between the tank and foundation/supports in good condition?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	
Tank Shell, Heads, and Roof		
Free of visible signs of coating failure?	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Free of noticeable distortions, buckling, denting, or bulging?	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Free of standing water on roof?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	
Are all labels and tags intact and legible?	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Tank Manways, Piping, and Equipment		
Flanged connection bolts tight and fully engaged with no sign of wear or corrosion?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	
Tank Equipment		
Normal and emergency vents free of obstructions?	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Normal vent on tanks storing gasoline equipped with pressure/vacuum vent?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	

Are flame arrestors free of corrosion and are air passages free of blockage?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	
Is the emergency vent in good working condition and functional, as required by manufacturer? Consult manufacturer's requirements. Verify that components are moving freely (including long-bolt manways).	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	
Is interstitial leak detection equipment in good condition? Are windows on sight gauges clear? Are wire connections intact? If equipment has a test function, does it activate to confirm operation?"	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	
Are all valves free of leaks, corrosion and other damage? Follow manufacturers' instructions for regular maintenance of these items. Check the following and verify (as applicable): <input type="checkbox"/> Anti-siphon valve <input type="checkbox"/> Check valve <input type="checkbox"/> Gate valve <input type="checkbox"/> Pressure regulator valve <input type="checkbox"/> Expansion relief valve <input type="checkbox"/> Solenoid valve <input type="checkbox"/> Fire valve <input type="checkbox"/> Shear valve	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	
Are strainers and filters clean and in good condition?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	
Insulated Tanks		
Free of missing insulation? Insulation free of visible signs of damage? Insulation adequately protected from water intrusion?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	
Insulation free of noticeable areas of moisture?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	
Insulation free of mold?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	
Free of visible signs of coating failure?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	
Tank / Piping Release Detection		
Is inventory control being performed and documented if required?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	
Is release detection being performed and documented if required?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	
Other Equipment		
Are electrical wiring and boxes in good condition?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	
Has the cathodic protection system on the tank been tested as required by the designing engineer?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	

Additional Comments:
