# STI SP001 AST Record

OWNER INFORMATION	FACILITY INFORMATION	INSTALLER INFORMATION	
Name	Name	Name	
Number and Street	Number and Street	Number and Street	
City, State, Zip Code	City, State, Zip Code	City, State, Zip Code	

SPECIFICATIO	N:				
Design:			Horizontal	Vertical	Rectangular
	🗆 API	Other			
	Unknown				
Manufacturer:		Contents:	Construction Date:		Last Repair/Reconstruction Date:
Dimensions:		Capacity:	Last Change	of Service Date:	
Construction:	Bare Steel	Cathodically Protecte	ed (Check one: A. 🗌 Galvan	ic or B. 🗌 Impress	ed Current) Date Installed:
	Coated Steel	Concrete	Plastic/Fiberglass	☐ Other	
	Double-Bottom	Double-Wall	Lined Date Installed:		
Containment:	Earthen Dike	Steel Dike	e 🔲 Synthetic Liner	Other	
CRDM:		Date Installed:	Туре:		
Release Prever	ntion Barrier:	Date Installed:	Туре:		

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TANK ID					
SPECIFICATIO	DN:				
Design:			Horizontal	Vertical	Rectangular
	🗆 API	Other			
	Unknown				
Manufacturer:		Contents:	Construction	n Date:	Last Repair/Reconstruction Date:
Dimensions:		0 "		e of Service Date:	······································
Construction:	Bare Steel	· •			ssed Current) Date Installed:
	Coated Steel		Plastic/Fiberglass	☐ Other	
	Double-Bottom	Double-Wall	Lined Date Installed:		
Containment:	Earthen Dike	Steel Dike Concrete	e 🔲 Synthetic Liner	Other	
CRDM:		Date Installed:	Type:		
Release Prever	ntion Barrier:	Date Installed:	Туре:		
TANK ID					
SPECIFICATIO	N:				
Design:			Horizontal	Uertical	☐ Rectangular
	🗆 API				
	Unknown	Other			
Manufacturer:		Contents:	Construction	n Date:	Last Repair/Reconstruction Date:
Dimensions:		Capacity:	Last Change	e of Service Date:	·
Construction:	Bare Steel	Cathodically Protected	d (Check one: A. 🗌 Galvar	nic or B. 🗌 Impres	ssed Current) Date Installed:
	Coated Steel	Concrete	Plastic/Fiberglass	☐ Other	
	Double-Bottom	Double-Wall	Lined Date Installed:		
Containment:	Earthen Dike	Steel Dike Concrete	e 🔲 Synthetic Liner	Other	
CRDM:		Date Installed:	Туре:		
Release Prever	ntion Barrier:	Date Installed:	Туре:		
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TANK ID					
SPECIFICATIO	DN:				
Design:			Horizontal	Vertical	Rectangular
	🗆 API				
	Unknown	Other			
Manufacturer:		Contents:	Construction	Date:	Last Repair/Reconstruction Date:
Dimensions:		Capacity:	Last Change	e of Service Date:	
Construction:	Bare Steel	Cathodically Protected	d (Check one: A. 🗌 Galvar	nic or B. 🗌 Impres	sed Current) Date Installed:
	Coated Steel	Concrete	Plastic/Fiberglass	☐ Other	
	Double-Bottom	Double-Wall	Lined Date Installed:		
Containment:	Earthen Dike	Steel Dike Concrete	Synthetic Liner	Other	
CRDM:		Date Installed:	Type:		
Release Prever	ntion Barrier:	Date Installed:	Туре:		
TANK ID					
SPECIFICATIO	DN:				
Design:			Horizontal	Vertical	Rectangular
	🗆 API				
	Unknown	Other			
Manufacturer:		Contents:	Construction	Date:	Last Repair/Reconstruction Date:
Dimensions:		Capacity:	Last Change	e of Service Date:	
Construction:	Bare Steel	Cathodically Protected			sed Current) Date Installed:
	Coated Steel	Concrete	Plastic/Fiberglass	Other	
	Double-Bottom	Double-Wall	Lined Date Installed:	- · · · · · · · · · · · · · · · · · · ·	
Containment:	Earthen Dike	Steel Dike Concrete	Synthetic Liner	Other	
CRDM:		Date Installed:	Туре:		
Release Prever	ntion Barrier:	Date Installed:	Туре:		
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### STI SP001 Monthly Inspection Checklist

General Inspection Information:						
Inspection Date:	Retain Until Date:	(36 months from inspection date)				
Prior Inspection Date:	Inspector Name:					
Tanks Inspected (ID #'s):						

#### **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
1.0 Tank Containme	nt		
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	
2.0 Leak Detection			
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	
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Item	Task	Status	Comments
3.0 Tank Equipment			
3.1 Valves	a. Check for leaks.	Yes* No N/A	
	b. Tank drain valves	Yes* No N/A	
	must be kept locked.		
3.2 Spill	a. Inspect for debris,	Yes* No N/A	
containment	residue, and water in		
boxes on fill	the box and remove.		
pipe	b. Drain valves must	Yes* No N/A	
	be operable and		
	closed.		
3.3 Liquid level	a. Both visual and	Yes No* N/A	
equipment	mechanical devices		
	must be inspected		
	for physical damage.		
	b. Check that the	Yes No* N/A	
	device is easily		
	readable		
3.4 Overfill	a. If equipped with a	Yes No* N/A	
equipment	"test" button,		
	activate the audible		
	horn or light to		
	confirm operation. This could be battery		
	powered. Replace		
	the battery if needed		
	b. If overfill valve is	Yes No* N/A	
	equipped with a		
	mechanical test		
	mechanism, actuate		
	the mechanism to		
	confirm operation.		
3.5 Piping	Check for leaks,	Yes* No	
connections	corrosion and		
	damage		
4.0 Tank Attachmen	its and Appurtenances		
4.1 Ladder and	Secure with no sign	Yes No* N/A	
platform	of severe corrosion		
structure	or damage?		
5.0 Other Condition			
5.1 Are there other co		Yes* No	
be addressed for			
	may affect the site spill		
prevention plan?			

Additional	Comments:
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### STI SP001 Annual Inspection Checklist

General Inspection Information:						
Inspection Date:	Retain Until Date:	(36 months from inspection date)				
Prior Inspection Date:	Inspector Name:					
Tanks Inspected (ID #'s):						

#### **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.
- Remove promptly upon discovery standing water or liquid 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 must regularly test liquid level sensing devices to ensure proper operation (40 CFR 112.8(c)(8)(v)).
- > (\*) 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.
- > 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	Task	Status	Comments			
1.0 Tank Containr	1.0 Tank Containment					
1.1 Containment structure	Check for: Holes or cracks in containment wall or floor Washout Liner degradation Corrosion Leakage Paint failure Tank settling	Yes* No N/A				
2.0 Tank Foundat	ion and Supports					
2.1 Foundation	Settlement or foundation washout?	Yes* No				
2.2 Concrete pad or ring wall	Cracking or spalling?	Yes* No N/A				
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Item	Task	Status	Comments
2.3 Supports	Check for corrosion, paint failure, etc.	Yes* No N/A	
2.4 Water drainage	Water drains away from tank?	Yes No* N/A	
2.5 Tank grounding	Strap secured and in good condition?	Yes No* N/A	
3.0 Cathodic Pro			
3.1 Gavlvanic cathodic protection system	Confirm system is functional, includes the wire connections for galvanic systems	Yes No* N/A	
3.2 Impressed current system	<ul> <li>a. Inspect the operational components (power switch, meters, and alarms).</li> <li>b. Record hour meter, ammeter and meter and</li></ul>	Yes No* N/A Yes No* N/A	
	voltmeter readings.		
4.0 Tank Shell, H		Yes* No	
4.1 Coating	Check for coating failure	res" no	
4.2 Steel condition	Check for: • Dents • Buckling • Bulging • Corrosion • Cracking	Yes* No	
4.3 Roof slope	Check for low points and standing water	Yes* No N/A	
5.0 Tank Equipm			
5.1 Vents	Verify that components are moving freely and vent passageways are not obstructed for: • Emergency vent covers • Pressure/vacuum vent poppets • Other moving vent components	Yes* No	

ltem	Task	Status	Comments
5.2 Valves	Check the condition of all valves for leaks, corrosion and damage.	Yes* No	
5.2.1 Anti-siphon, check and gate valves	Cycle the valve open and closed and check for proper operation.	Yes No* N/A	
5.2.2 Pressure regulator valve	Check for proper operation. (Note that there may be small, 1/4 inch drain plugs in the bottom of the valve that are not visible by looking from above only)	Yes No* N/A	
5.2.3 Expansion relief valve	Check that the valve is in the proper orientation. (Note that fuel must be discharged back to the tank via a separate pipe or tubing.)	Yes No* N/A	
5.2.4 Solenoid valves	Cycle power to valve to check operation. (Electrical solenoids can be verified by listening to the plunger opening and closing. If no audible confirmation, the valve should be inspected for the presence and operation of the plunger.)	Yes No* N/A	
5.2.5 Fire and shear valves	a. Manually cycle the valve to ensure components are moving freely and that the valve handle or lever has clearance to allow valve to close completely.	Yes No* N/A	
	b. Valves must not be wired in open position.	Yes No* N/A	

ltem	Task	Status	Comments
	c. Make sure fusible element is in place and correctly positioned. d. Be sure test ports	Yes No* N/A Yes No* N/A	
	are sealed with plug after testing is complete and no temporary test fixture or component remains		
	connected to valve.		
5.3 Interstitial leak detection equipment	<ul> <li>Check condition of equipment, including:</li> <li>The window is clean and clear in sight leak gauges.</li> <li>The wire connections of</li> </ul>	Yes No* N/A	
5.4.0.11	<ul> <li>electronic gauges for tightness and corrosion</li> <li>Activate the test button, if applicable.</li> </ul>		
5.4 Spill containment boxes on fill pipe	a. If corrosion, damage, or wear has compromised the ability of the unit to perform spill containment functions, replace the unit.	Yes* No N/A	
	b. Inspect the connections to the AST for tightness, as well as the bolts, nuts, washers for condition and replace if necessary.	Yes* No N/A	
	c. Drain valves must be operable and closed	Yes* No N/A	
5.5 Strainer	a. Check that the strainer is clean and in good condition.	Yes No* N/A	

Item	Task	Status	Comments
5.5 Strainer	b. Access strainer	Yes No* N/A	
	basket and check cap and gasket seal as		
	well as bolts.		
5.6 Filter	a. Check that the filter	Yes No* N/A	
	is in good condition		
	and is within the manufacturer's		
	expected service life.		
	Replace, if necessary.		
	b. Check for leaks and decreased fuel flow	Yes No* N/A	
5.7 Flame	Follow manufacturer's instructions. Check for	Yes* No N/A	
arrestors	corrosion and		
	blockage of air		
E O La chatacter	passages.		
5.8 Leak detector for	Test according to manufacturer's	Yes No* N/A	
submersible	instructions and		
pump	authority having		
systems	jurisdiction (AHJ).		
	Verify leak detectors are suited and		
	properly installed for		
5.0.1.1.1.1	aboveground use.		
5.9 Liquid level equipment	a. Has equipment been tested to ensure	Yes No* N/A	
equipment	proper operation?		
	b. Does equipment	Yes No* N/A	
	operate as required? c. Follow	Yes No* N/A	
	manufacturer's	tes no n/A	
	instructions		
5.10 Overfill	a. Follow	Yes No* N/A	
equipment	manufacturer's instructions and		
	regulatory		
	requirements for		
	inspection and functionality		
	verification.		
	b. Confirm device is	Yes No* N/A	
	suited for above		
	ground use by the manufacturer		
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ltem	Task	Status	Comments
6.0 Insulated Tanl	(S		
6.1 Insulation	Check condition of insulation for: • Missing sections • Areas of moisture • Mold • Damage	Yes* No N/A	
6.2 Insulation cover or jacket	Check for damage that will allow water intrusion	Yes* No N/A	
7.0 Miscellaneous			
7.1 Electrical wiring and boxes	Are they in good condition?	Yes No* N/A	
7.2 Labels and tags	Ensure that all labels and tags are intact and readable.	Yes No* N/A	

**Additional Comments:** 

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## STI SP001 Portable Container Monthly Inspection Checklist

General Inspection Information:								
Inspection Date:	Retain Until Date:	(36 months from inspection date)						
Prior Inspection Date:	Inspector Name:							
Containers Inspected (ID #'s):								

#### **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.
- (\*) 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.

Item	Area:		Area:	Area:		Area:		Area:	
1.0 AST Containment/Storage Area									
1.1 ASTs within designated storage area?	Yes	No*	Yes	No*	Yes	No*	Yes	No*	
1.2 Debris, spills, or other fire hazards in containment or storage area?	Yes*	No	Yes*	No	Yes*	No	Yes*	No	
1.3 Water in outdoor secondary containment?	Yes*	No	Yes*	No	Yes*	No	Yes*	No	
1.4 Drain valves operable and in a closed position?	Yes	No*	Yes*	No	Yes*	No	Yes*	No	
1.5 Egress pathways clear and gates/doors operable?	Yes	No*	Yes*	No	Yes*	No	Yes*	No	

Item	Area:		Area:	Area:		Area:		Area:	
2.0 Leak Detection									
2.1 Visible signs of leakage around the container or storage area?	Yes*	No	Yes*	No	Yes*	No	Yes*	No	
3.0 Container	3.0 Container								
3.0 Noticeable container distortions, buckling, denting or bulging?	Yes*	No	Yes*	No	Yes*	No	Yes*	No	

#### Comments: