

Appendix E5 – Spill Response



3852 N. Clark-Wolverine Road • Palmer, Alaska 99645

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www.cruzconstruct.com

Spill Prevention, Control and Countermeasure Plan

APPENDIX A SPILL HISTORY

**APPENDIX A
SPILL HISTORY**

1. **Date:** _____
- Product Spilled:** _____
- Volume:** _____
- Location:** _____
- Cause:** _____
- Corrective Action Taken:** _____

Plans for Preventing Recurrence: _____

2. **Date:** _____
- Product Spilled:** _____
- Volume:** _____
- Location:** _____
- Cause:** _____
- Corrective Action Taken:** _____

Plans for Preventing Recurrence: _____

3. **Date:** _____
- Product Spilled:** _____
- Volume:** _____
- Location:** _____
- Cause:** _____
- Corrective Action Taken:** _____

Plans for Preventing Recurrence: _____

APPENDIX B
FUEL STORAGE AND DISTRIBUTION SYSTEM INSPECTION CHECKLIST

Name of Facility: Cruz Construction Fuel Storage
Inspector: _____ Date: _____

Item	Frequency	Yes	No	Comments
Aboveground Storage Tanks (AST's)				
Is any rust or pitting visible?	Daily			
Are there any visible leaks or seepage?	Daily			
Are cam-locks capped and access locked?	Daily			
Are fuel storage drums in good condition?	Daily			
Measure and record fuel volume: _____ gallons	Each Delivery			
Penetrations				
Is the fill connection cam-lock capped and access locked?	Daily			
Is the valve between the cam-lock and the manifold in the OFF position? Is access locked?	Daily			
Are the tank vents secure and free of obstructions?	Daily			
Is the drain valve(s) secured and locked in the closed position?	Daily			
Are other penetrations and valves capped/plugged or locked in the closed position?	Daily			
Containment Structure				
Are any abrasions, minor nicks, or tears visible?	Daily			
Are any punctures or cracks visible?	Daily			
Are there any visible leaks?	Daily			
Are there any visible stains?	Daily			
Is debris or precipitation (liquid or frozen) present in the containment structure?	Daily			
Is there any damage to the containment structure that will prevent the containment of fuel released from an AST or drum?	Daily			
Is the containment liner properly anchored, stable, and able to withstand high winds?	Daily			
Are there any stains on the ground or surrounding area?	Daily			
Note: Accumulated precipitation shall be removed daily and shall be examined for odor and sheen before removal from the containment structure to avoid accidentally discharging fuel.	Daily			
Supply Lines:				
Are any abrasions, nicks, or wear points visible?	Daily			
Are any cracks visible?	Daily			
Are there any visible leaks?	Daily			
Are there any visible stains beneath lines?	Daily			
Are sufficient drip pads present to support fueling operations, including pads at hose connections?	Daily			
Are connections between the tank and supply lines tight?	Daily			

Item	Frequency	Yes	No	Comments
Valves and connections				
Are all cam-lock fittings and drain valves locked (wired shut) in the closed position?	Daily			
Are there any visible leaks?	Daily			
Are there any visible stains?	Daily			
Transfer Pump and Dispenser				
Are there any visible leaks from the pump containment?	Daily			
Are the fuel line connections to the pump secure?	Daily			
Are there any visible stains beneath the pump containment?	Daily			
Is the connection to the fuel dispenser secure?	Daily			
Is the fuel dispenser placed inside containment when not in use?	Daily			
Is debris or precipitation (liquid or frozen) present in the transfer pump containment structure?	Daily			
Note: Accumulated precipitation shall be removed daily and shall be examined for odor and sheen before removal from the containment structure to avoid accidentally discharging fuel.	Daily			
Transfer Area				
Are there visible from fueling operations?	Daily			
Are there visible in the vicinity of the fuel storage tank that may indicate a leak?	Daily			
Security				
Is a fire extinguisher charged and accessible?	Daily			
Is the spill response equipment accessible?	Daily			
Is site lighting functional?	Daily			

Note: If a task is not applicable, record NA in the comment column. Sketches, photographs, or additional comments should be attached to the checklist. Daily inspections shall be made while the facility is in active operation and while someone is onsite during periods of inactivity while fuel is being stored.



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APPENDIX C SPCC PROGRAM REQUIREMENTS

APPENDIX C
SPCC PROGRAM REQUIREMENTS

The following actions are required for the facility to maintain compliance with Title 40, Code of Federal Regulations, Part 112 (40 CFR 112). Current practice covers the requirements but they must be continued to maintain compliance.

Requirements	Action	Date
The project logbook and all records pertaining to the spill prevention, control and countermeasure (SPCC) plan and the fuel storage and supply systems shall be maintained by Cruz Construction, Inc. for a minimum of 3 years. Copies of all records shall be maintained at the project site, shall be available to site personnel, and shall be on file at Cruz Construction, Inc.'s Palmer office.		
Appropriate spill response materials and equipment to prevent discharged oil from reaching a navigable watercourse shall be maintained at the station. A summary of spill response materials and equipment is presented in Appendix F.		
Locks shall be placed to restrain access to valves, filling caps, and refueling nozzle (when not in use) to provide reasonable security for the fuel system.		
The facility fuel storage and distribution system shall be inspected daily. An inspection checklist is presented in Appendix B.		
The containment shall be inspected daily for wear and accumulation of precipitation. Accumulated precipitation shall be examined before it is removed to avoid discharging fuel from the containment structure.		
Cruz Construction, Inc.'s trained personnel will operate the system. These personnel shall be properly instructed in the operation and maintenance of the fuel storage and distribution system.		
Cruz Construction, Inc.'s personnel shall be familiar with applicable regulatory guidance and spill reporting requirements (see section V of the SPCC plan).		
Adequate lighting of the facility, portable or fixed, shall be provided for visual inspection or spill discovery during hours of darkness.		
All fuel spills at the facility shall be properly recorded on the Spill Report form (Appendix H) and report to Cruz Construction, Inc.'s Operations Manager.		
Cruz Construction, Inc. personnel shall be present to monitor all fuel transfers.		
All miscellaneous 55-gallon fuel and lubricant drums shall be stored within containment at the site.		
Cruz Construction, Inc. personnel shall prepare the station for removal/storage status by draining all fuel distribution lines, locking all tank valves in the closed position, and inspecting the system using the checklist in Appendix B.		



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APPENDIX D SPCC PROGRAM RECOMMENDATIONS

APPENDIX D

SPCC PROGRAM RECOMMENDATIONS

The following improvements or actions have been recommended for the facility following the implementation of this SPCC plan (record improvement measures and date of action):

[illegible]



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APPENDIX E RELOCATION SUMMARY SHEET

**APPENDIX E.1
RELOCATION SUMMARY SHEET**

General Location: Kotzebue, Alaska
Latitude: 66.895

Longitude: -162.58

Facility Owner/Operator:
Cruz Construction, Inc.
7000 E. Palmer-Wasilla Highway.
Palmer, Alaska 99645

Onsite Project Manager: Ben Bitler

Site Conditions, Surface Drainage and Specific Environmentally Sensitive Areas:

Confirmed By:

Date System Moved to Above Location: _____

Start Date of System Operations: _____

End Date of System Operations: _____

Date System Emptied/Moved to New Location: _____

Site conditions following the removal of the facility from the above location: _____

Onsite Project Manager

Date

Printed Name



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APPENDIX F SPILL RESPONSE MATERIALS AND EQUIPMENT

APPENDIX F

SPILL RESPONSE MATERIALS AND EQUIPMENT

Cruz Construction, Inc. has prepared emergency response kits to be staged around the facility during all fuel transferring activities.

The following spill response materials will be a part of each spill kit:

- Oily waste impermeable bags
- Fire extinguishers, first aid kits, shovels, etc.
- Spill containment booms
- Absorbent pads
- Gloves
- Sealable barrel

Heavy equipment available

- 1 CAT 962K Loader w/ Bucket & Forks
- 1 CASE IH Steiger

Additional equipment and/or materials such as diaphragm pumps, sump pumps, hoses, collapsible containers, drums, non-sparking tools, and sorbent materials may be required following the initial response. Cruz Construction, Inc. will mobilize this equipment/material from Palmer, Anchorage or Kotzebue

Supplies taken from the spill kit for use shall be replaced as soon as possible to maintain a full inventory.



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APPENDIX G CONTACT LIST

APPENDIX G
CONTACT LIST FOR KOTZEBUE FUEL STORAGE

Cruz Construction, Inc.

Greg Miller, VP Operations: (907) 690-0989; Mobile (907) 761-6606
Ben Bitler, Project Manager: Mobile (907) 982-0804
Jeff Miller, President: (907) 761-6623; Mobile (907) 841-8099
Stephen Nowers, HSE Manager: (907) 761-6610; Mobile (907) 232-5313

U.S. Environmental Protection Agency

National Response Center: (800) 424-8802

Alaska Department of Environmental Conservation

Central Region: (907) 451-2121; Fax (907) 451-2362

- **TO WATER:** Any release of oil to water *must be reported* as soon as the person has knowledge of the discharge.
- **TO LAND:** Any release of oil in *excess of 55 gallons* must be reported as soon as the person has knowledge of the discharge. Any release of oil in *excess of 10 gallons but less than 55 gallons* must be reported within 48 hours after the person has knowledge of the discharge. A person in charge of a facility or operation shall maintain, and provide to the Department on a monthly basis, a written record of any discharges any discharge of oil *from 1 to 10 gallons*.
- **TO IMPERMEABLE SECONDARY CONTAINMENT AREAS:** Any release of oil *in excess of 55 gallons* must be reported within 48 hours after the person has knowledge of the discharge.

Police Departments

Alaska State Troopers, Anchorage: (907) 269-5511



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APPENDIX H SPILL REPORT FORM

**APPENDIX H
SPILL REPORT FORM**

**ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION
OIL & HAZARDOUS SUBSTANCES SPILL NOTIFICATION FORM**

ADEC USE ONLY

ADEC SPILL #:	ADEC FILE #:	ADEC LC:
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PERSON REPORTING:		PHONE NUMBER:		REPORTED HOW? (ADEC USE ONLY) ☐ Phone ☐ Fax ☐ Troopers	
DATE/TIME OF SPILL:		DATE/TIME DISCOVERED:		DATE/TIME REPORTED:	
INCIDENT LOCATION/ADDRESS:		DATUM: ☐ NAD27 ☐ NAD83 ☐ WGS84 ☐ Other _____		PRODUCT SPILLED:	
		LAT.			
		LONG.			
QUANTITY SPILLED: ☐ gallons ☐ pounds	QUANTITY CONTAINED: ☐ gallons ☐ pounds	QUANTITY RECOVERED: ☐ gallons ☐ pounds	QUANTITY DISPOSED: ☐ gallons ☐ pounds		
	POTENTIAL RESPONSIBLE PARTY:		OTHER PRP, IF ANY:		VESSEL NAME:
<i>Name/Business:</i>					
<i>Mailing Address:</i>					VESSEL NUMBER:
<i>Contact Name:</i>					> 400 GROSS TON VESSEL:
<i>Contact Number:</i>					☐ Yes ☐ No
SOURCE OF SPILL:					CAUSE CLASSIFICATION:
CAUSE OF SPILL: ☐ Under Investigation					☐ Accident ☐ Human Factors ☐ Structural/Mechanical ☐ Other
CLEANUP ACTIONS:					
DISPOSAL METHODS AND LOCATION:					
AFFECTED AREA SIZE:	SURFACE TYPE: <i>(gravel, asphalt, name of river etc.)</i>		RESOURCES AFFECTED/THREATENED: <i>(Water sources, wildlife, wells, etc.)</i>		
COMMENTS:					

ADEC USE ONLY

SPILL NAME:		NAME OF DEC STAFF RESPONDING:	C-PLAN MGR NOTIFIED? ☐ Yes ☐ No
DEC RESPONSE: ☐ Phone follow-up ☐ Field visit ☐ Took Report		CASELOAD CODE: ☐ First and Final ☐ Open/No LC ☐ LC Assigned	CLEANUP CLOSURE ACTION: ☐ NFA ☐ Monitoring ☐ Transferred to CS or STP
COMMENTS:	Status of Case: ☐ Open ☐ Closed DATE CASE CLOSED:		
REPORT PREPARED BY:		DATE:	

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	

TANK ID _____	
SPECIFICATION:	
Design:	☐ UL _____ ☐ SWRI _____ ☐ Horizontal ☐ Vertical ☐ Rectangular ☐ API _____ ☐ Other _____ ☐ Unknown
Manufacturer:	Contents: _____ Construction Date: _____ Last Repair/Reconstruction Date: _____ Capacity: _____ Last Change of Service Date: _____
Construction:	☐ Bare Steel ☐ Cathodically Protected (Check one: A. ☐ Galvanic or B. ☐ Impressed 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 Prevention Barrier:	☐ Date Installed: _____ Type: _____

TANK ID _____			
SPECIFICATION:			
Design:	☐ UL _____	☐ SWRI _____	☐ 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 Protected (Check one: A. ☐ Galvanic or B. ☐ Impressed 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 Prevention Barrier:	☐ Date Installed: _____ Type: _____		

TANK ID _____			
SPECIFICATION:			
Design:	☐ UL _____	☐ SWRI _____	☐ Horizontal ☐ Vertical ☐ Rectangular
	☐ API _____		
	☐ Unknown		
Manufacturer:	Contents:	Construction Date:	Last Repair/Reconstruction Date:
Dimensions:	Capacity:	Last Change of Service Date:	
Construction:	☐ Bare Steel ☐ Cathodically Protected (Check one: A. ☐ Galvanic or B. ☐ Impressed 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 Prevention Barrier:	☐ Date Installed: _____ Type: _____		

TANK ID _____			
SPECIFICATION:			
Design:	☐ UL _____	☐ SWRI _____	☐ Horizontal ☐ Vertical ☐ Rectangular
	☐ API _____		
	☐ Unknown _____	☐ Other _____	
Manufacturer:		Contents:	Construction Date: _____ Last Repair/Reconstruction Date: _____
Dimensions:		Capacity:	Last Change of Service Date: _____
Construction:	☐ Bare Steel ☐ Cathodically Protected (Check one: A. ☐ Galvanic or B. ☐ Impressed 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 Prevention Barrier:	☐ Date Installed: _____ Type: _____		

TANK ID _____			
SPECIFICATION:			
Design:	☐ UL _____	☐ SWRI _____	☐ Horizontal ☐ Vertical ☐ Rectangular
	☐ API _____		
	☐ Unknown _____	☐ Other _____	
Manufacturer:		Contents:	Construction Date: _____ Last Repair/Reconstruction Date: _____
Dimensions:		Capacity:	Last Change of Service Date: _____
Construction:	☐ Bare Steel ☐ Cathodically Protected (Check one: A. ☐ Galvanic or B. ☐ Impressed 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 Prevention Barrier:	☐ Date Installed: _____ Type: _____		

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 Containment			
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	

Item	Task	Status	Comments
3.0 Tank Equipment			
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	
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	
4.0 Tank Attachments and Appurtenances			
4.1 Ladder and platform structure	Secure with no sign of severe corrosion or damage?	☐ Yes ☐ No* ☐ N/A	
5.0 Other Conditions			
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	

[illegible]

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 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 Foundation 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	

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 Protection			
3.1 Galvanic cathodic protection system	Confirm system is functional, includes the wire connections for galvanic systems	☐ Yes ☐ No* ☐ N/A	
3.2 Impressed current system	a. Inspect the operational components (power switch, meters, and alarms).	☐ Yes ☐ No* ☐ N/A	
	b. Record hour meter, ammeter and voltmeter readings.	☐ Yes ☐ No* ☐ N/A	
4.0 Tank Shell, Heads, Roof			
4.1 Coating	Check for coating failure	☐ Yes* ☐ 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 Equipment			
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	

Item	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. b. Valves must not be wired in open position.	☐ Yes ☐ No* ☐ N/A	

Item	Task	Status	Comments
	c. Make sure fusible element is in place and correctly positioned. d. Be sure test ports are sealed with plug after testing is complete and no temporary test fixture or component remains connected to valve.	☐ Yes ☐ No* ☐ N/A	
	Check condition of equipment, including:	☐ Yes ☐ No* ☐ N/A	
5.3 Interstitial leak detection equipment	- The window is clean and clear in sight leak gauges. - The wire connections of electronic gauges for tightness and corrosion - Activate the test button, if applicable.	☐ Yes ☐ No* ☐ N/A	
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 basket and check cap and gasket seal as well as bolts.	☐ Yes ☐ No* ☐ N/A	
5.6 Filter	a. Check that the filter is in good condition and is within the manufacturer's expected service life. Replace, if necessary.	☐ Yes ☐ No* ☐ N/A	
	b. Check for leaks and decreased fuel flow	☐ Yes ☐ No* ☐ N/A	
5.7 Flame arrestors	Follow manufacturer's instructions. Check for corrosion and blockage of air passages.	☐ Yes* ☐ No ☐ N/A	
5.8 Leak detector for submersible pump systems	Test according to manufacturer's instructions and authority having jurisdiction (AHJ). Verify leak detectors are suited and properly installed for aboveground use.	☐ Yes ☐ No* ☐ N/A	
5.9 Liquid level equipment	a. Has equipment been tested to ensure proper operation?	☐ Yes ☐ No* ☐ N/A	
	b. Does equipment operate as required?	☐ Yes ☐ No* ☐ N/A	
	c. Follow manufacturer's instructions	☐ Yes ☐ No* ☐ N/A	
5.10 Overfill equipment	a. Follow manufacturer's instructions and regulatory requirements for inspection and functionality verification.	☐ Yes ☐ No* ☐ N/A	
	b. Confirm device is suited for above ground use by the manufacturer	☐ Yes ☐ No* ☐ N/A	

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

