



**APSA
SPCC
STI SP001**

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CONDOR EARTH
Stockton, Sonora, Jamestown, Gold River

Overview

- ▶ SPCC vs. APSA
- ▶ Qualified Facilities
- ▶ SPCC Plans
- ▶ APSA Regulations
- ▶ STI SP001 Tank and Container Inspections





1995 Post Alpha Bits Cereal Box 15 oz, Brand New Old Stock!!



vic32 (5382)

100% positive · [Seller's other items](#) · [Message seller](#)



US \$30.00 or Best Offer

Condition: **New** ⓘ



Buy It Now

Add to cart

Make offer

♥ Add to Watchlist



Hurry before it's gone. 1 person is watching this item.



Breathe easy. Returns accepted.



Vintage Post Archies Alpha Bits Cereal Box 1969 mint prod flat GEM RARE GEM



the-omega-man (5981)

100% positive · [Seller's other items](#) · [Message seller](#)



US \$679.00 or Best Offer

as low as \$60.96/mo with **Klarna**. [Learn more](#)

Condition: **New** ⓘ

Buy It Now

Add to cart

Make offer

♥ Add to Watchlist

⚡ **People are checking this out.** 5 have added this to their watchlist.

SPCC vs APSA

- ▶ **Spill Prevention, Control and Countermeasure (SPCC)**
 - Administered by federal EPA
 - SPCC Plan required at 1,320 gallons of oil
 - Oil and mixtures of oil in containers over 55-gallons
 - Intended to prevent spills to navigable waters of the US

- ▶ **Aboveground Petroleum Storage Act (APSA)**
 - Administered by Office of the State Fire Marshal
 - SPCC Plan required for a 55-gallon tank in underground area (TIUGA)
 - Only considers petroleum mixtures towards threshold of 1,320 gallons
 - Intended to prevent spills to waters of the state, including groundwater

Qualified Facility

- ▶ Qualified Facility Applicability 40 CFR 112.3(g)
 - Less than 10,000 gallons of aboveground oil storage
 - In the past 3 years has not had:
 - A single discharge of oil greater than 1,000 gallons
 - Two discharges of oil each greater than 42 gallons within
 - 12-months

Qualified Facility

- ▶ Discharge Definition 40 CFR 112.1(b)
 - Release oil that may be harmful into or upon the navigable waters of the United States or adjoining shorelines

- ▶ Discharges that “may be harmful” 40 CFR 110.3
 - Violate applicable water quality standards
 - Cause a film or sheen
 - Cause a sludge or emulsion to be deposited

Qualified Facility

- ▶ Tier I Qualified Facilities 40 CFR 112.6(a)

May prepare and implement a self-certified SPCC Plan

- [Tier I template](#) from Appendix G to part 112;

- ▶ APSA Tanks In Underground Area (TIUGA) Facility

Also eligible for using the [Tier I template](#);

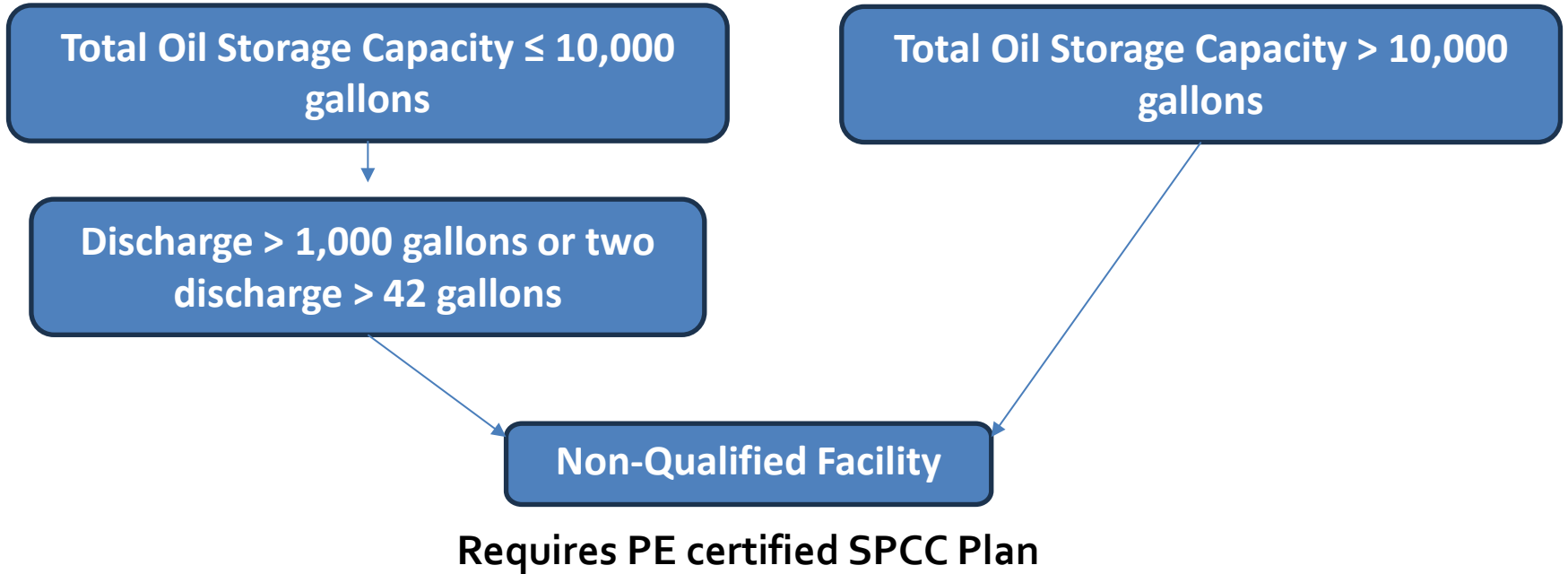
- A TIUGA only SPCC template is in development for less than 1,320 gallons.

- ▶ Tier II Qualified Facilities 40 CFR 112.6(b)

May prepare and implement a self-certified SPCC Plan

- [Tier II template](#) from Office of the State Fire Marshal;

Non-Qualified Facility



SPCC Plans

- ▶ The SPCC Plan is a facility-specific document to protect the navigable waterways through:
 - Procedures to minimize the potential for oil to **Spill**
 - **Prevention** of oil discharges through containment
 - **Control** measures to keep oil discharges from impacting shorelines and waters of the U.S.
 - **Countermeasures** to contain, clean-up, and mitigate discharges through spill response measures

SPCC Plans

- ▶ The following information must be included in SPCC Plans:
 - Use containers suitable for the oil stored;
 - Identify contractors or other local personnel who can help you clean up an oil spill;
 - Overfill prevention for bulk oil storage containers;
 - Provide effective, sized secondary containment for bulk storage containers;
 - Provide general secondary containment;
 - Test or inspect bulk storage containers for integrity on a regular schedule;
 - Keep a written record of your inspections.

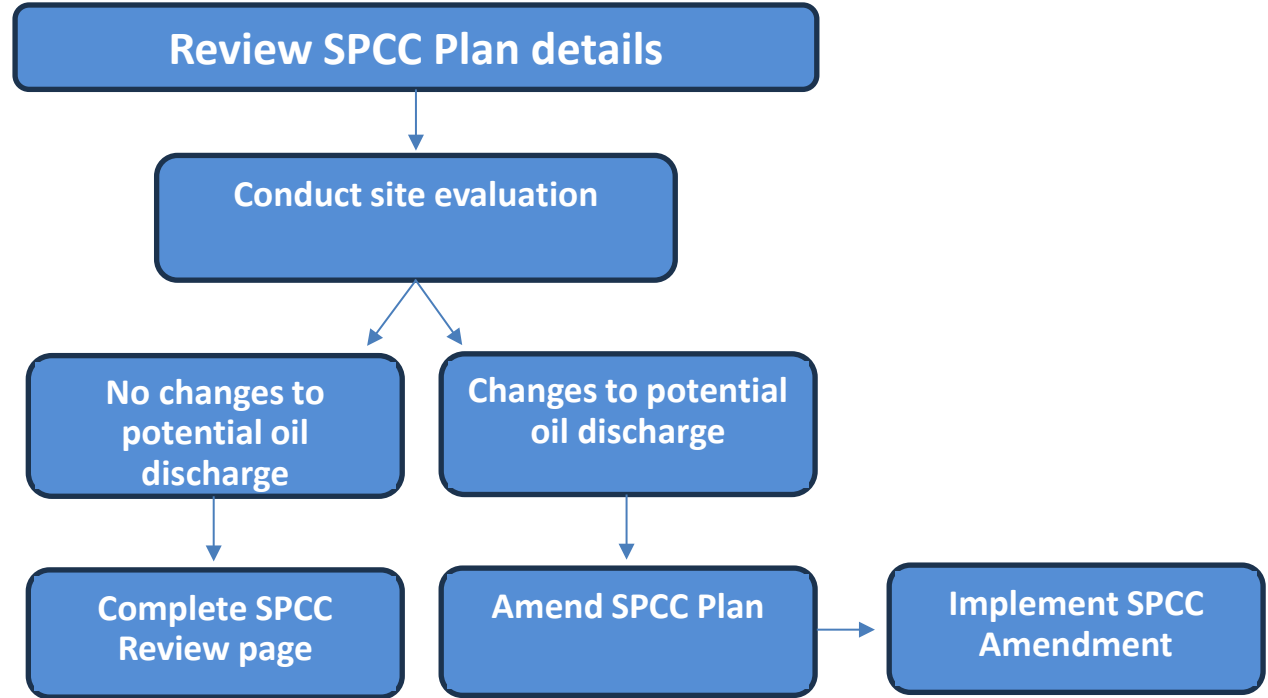
SPCC Plans

▶ SPCC Plan Documentation

- Training
- Inspections
- Spill History
- 5-year site evaluation and SPCC Plan review
- Amendments



SPCC Plans



SPCC Plans

▶ Technical Amendment

- Change in the facility design, construction, operation, or maintenance that materially affects its potential for a discharge (112.1(b)).

▶ Non-technical Amendment

- Administrative changes
 - Changes to ownership, emergency contacts, phone numbers, or names
 - Product changes compatible with existing tank/secondary containment conditions
 - Replacing identical quality/capacity/number containers or equipment

APSA Requirements

- ▶ Aboveground Petroleum Storage Act

[California Health and Safety Code, Division 20, Chapter 6.67](#)

Requires SPCC Plan following [40 CFR Part 112](#)

- ▶ Aboveground Petroleum Storage Act (APSA) Program Regulations (December 2024)

[California Code of Regulations Title 19, Division 1, Chapter 11](#)

- Additional requirements for APSA facilities and inspection

APSA Regulations

- ▶ Corrosion Protection Detail
 - § 1606 requires protection of piping and supporting components from corrosion and to prevent galvanic corrosion.



APSA Regulations

- § 1607(b) UST tanks shall not be used as AST tanks.
- § 1607(c) a rail car, tank car, or tank vehicle shall not be used as a storage tank in a permanent, or fixed installation.



APSA Regulations

On December 11, 2013, one person died and two were injured in Merced County, California, when a farm tank exploded during welding operations.

The tank was approximately 500 gallons capacity, had two 1.5" diameter vents, capped with a tee fitting and elbows that pointed vent discharge downward toward the tank shell. A dedicated emergency vent was not provided. The vent pipes that were present were not equipped with flame arrestors or pressure vacuum vents, although this does not appear to have been a factor in the incident that occurred. The tank had reportedly previously contained a Class 2 liquid, such as diesel fuel, and was not compliant with UL 142.



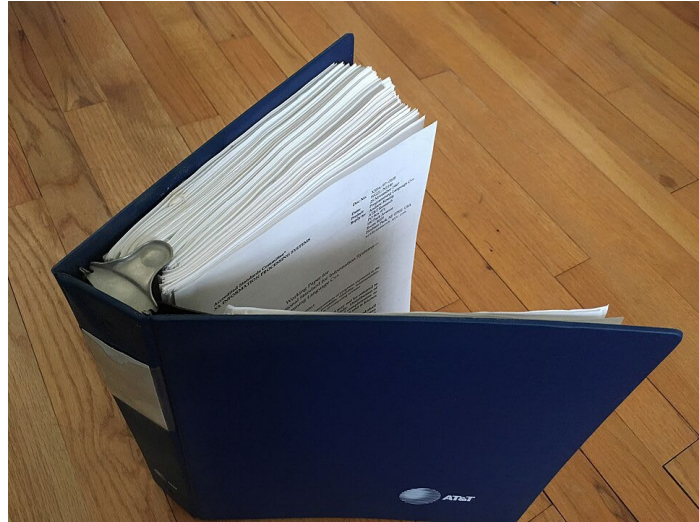
"Damaged tank from explosion: Tank ends are bowed outward. No emergency venting evident. Small grinder with wire brush wheel nearby."—Hank Moore, Merced County Fire Marshal

APSA Regulations

- ▶ § 1609 and § 1610 Inspection Determination
- ▶ Facilities with less than 10,000 gallons of petroleum may be inspected at least once every three years.
- ▶ Inspections prioritized based on:
 - 1. A facility that has not had a routine inspection under APSA;
 - 2. Facilities with most time elapsed between APSA routine inspections; and
 - 3. Threat to waters of the state.

APSA Requirements

- ▶ § 1611 Overview of SPCC Plan Compliance Requirements:
 - SPCC Plan, including amendments, is complete and appropriate;
 - SPCC Plan has been certified by the owner or operator, or a PE;
 - A documented review of the SPCC Plan has been conducted at least once every five years;



APSA Requirements

- ▶ § 1611 Overview of SPCC Plan Compliance Requirements:
 - Appropriate containment and/or diversionary structures or equipment are provided;
 - Periodic inspections and applicable tests following SPCC Plan;



APSA Requirements

- ▶ § 1611 Overview of SPCC Plan Compliance Requirements:
 - Records of the training and discharge prevention briefings are documented for a minimum of 3 years.
 - The visible discharges have been promptly corrected and accumulations of petroleum in diked areas are promptly removed.



Summary

APSA Requirements

- ▶ Prepare an SPCC Plan
- ▶ File a tank facility statement/annual certification of the Hazardous Material Business Plan elements
- ▶ Conduct training
- ▶ Conduct inspections
- ▶ Implement SPCC Plan
- ▶ Update SPCC Plan



S

P

STEP 1

INSPECTION

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- ▶ How often are you required to inspect bulk storage tanks by the SPCC Rule?



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Tank Category

- Spill Control:
 - Remote impounding;
 - Secondary containment dike/berm;
 - Open top steel diked AST; and
 - Closed top steel diked AST, double-wall AST and concrete-encased AST **with overfill prevention.**



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Tank Category

- Continuous Release Detection Methods (CRDM):
 - Release prevention barrier;
 - Double-wall AST or double-bottom AST;
 - Elevated AST;
 - Steel diked AST; and
 - Concrete-encased AST.



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Category 1

- Spill Control
- CRDM

Category 2

- Spill Control Only

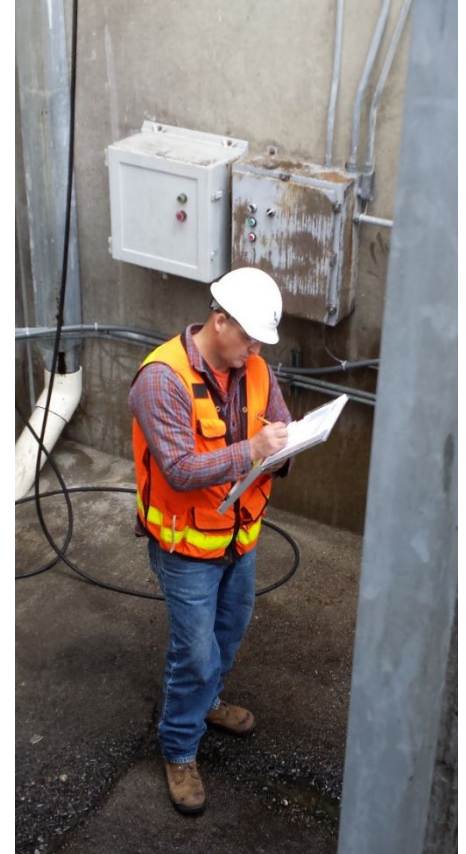
Category 3

- CDRM

STI SP001

▶ Inspections

- Owner/Representative
 - Periodic inspections
 - Tanks [Monthly](#) and [Annual](#)
 - Portable Containers [Monthly](#)
 - Retain records for 3 years
- Certified Inspector
 - Category 1 Tanks
 - 5,001-gallons or more 20-year external inspection
 - Category 2 and 3
 - Combination of external internal and leak testing inspections
 - Retain records for the life of the tank





ITEM	STATUS
Tank and Piping	
1 Is tank exterior (roof, shell, heads, bottom, connections, fittings, valves, etc.) free of visible leaks? <i>Note: If "No", identify tank and describe leak and actions taken.</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*



Any issues with this tank?



STI SP001

▶ Check for Water

5

Is the primary tank free of water or has another preventative measure been taken? NOTE: Refer to paragraphs 6.10 and 6.11 of the standard for alternatives for Category 1 tanks. N/A is only appropriate for these alternatives.

Yes No* N/A

- Water provides place for bacteria go grow, corrode metals and affect product quality.
- Reduce monitoring frequency to annual if water is not found for 4 consecutive months.
- If measurable water is found, test for bacteria that could cause corrosion or remove the source of water and continue monthly monitoring



STI SP001

- ▶ Water monitoring is not required for:
 - Tanks that are expected to have water (gasoline with ethanol)
 - Waste tanks, if drained from the lowest point in the tank and emptied every 180 days or throughput is greater or equal to tank capacity in 180-day period.
 - Category 1 tanks with bottom drains with 120-day throughput greater or equal to tank capacity.
 - Category 1 tanks agitated to prevent formation of a water layer to support bacteria.
 - Thermoplastic tanks (asphalt oil)
 - Follow STI publication Keeping Water Out of Your Storage System



Equipment on tank

8	If overflow equipment has a "test" button, does it activate the audible horn or light to confirm operation? If battery operated, replace battery if needed.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No* <input type="checkbox"/> N/A
9	Is overflow prevention equipment in good working condition? If it is equipped with a mechanical test mechanism, actuate the mechanism to confirm operation.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No* <input type="checkbox"/> N/A



Any issues with this tank?



16

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).

Yes No* N/A

Any issues with this tank?



<p>18</p>	<p>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):</p> <ul style="list-style-type: none"> <input type="checkbox"/> Anti-siphon valve <input type="checkbox"/> Check valve <input type="checkbox"/> Gate, ball, or isolation valve <input type="checkbox"/> Pressure regulator valve <input type="checkbox"/> Expansion relief valve <input type="checkbox"/> Solenoid valve <input checked="" type="checkbox"/> Fire valve <input type="checkbox"/> Shear valve 	<table border="0"> <tr> <td><input type="checkbox"/> Yes</td> <td><input type="checkbox"/> No*</td> <td><input type="checkbox"/> N/A</td> </tr> <tr> <td><input type="checkbox"/> Yes</td> <td><input type="checkbox"/> No*</td> <td><input type="checkbox"/> N/A</td> </tr> <tr> <td><input type="checkbox"/> Yes</td> <td><input type="checkbox"/> No*</td> <td><input type="checkbox"/> N/A</td> </tr> <tr> <td><input type="checkbox"/> Yes</td> <td><input type="checkbox"/> No*</td> <td><input type="checkbox"/> N/A</td> </tr> <tr> <td><input type="checkbox"/> Yes</td> <td><input type="checkbox"/> No*</td> <td><input type="checkbox"/> N/A</td> </tr> <tr> <td><input type="checkbox"/> Yes</td> <td><input checked="" type="checkbox"/> No*</td> <td><input type="checkbox"/> N/A</td> </tr> <tr> <td><input type="checkbox"/> Yes</td> <td><input type="checkbox"/> No*</td> <td><input type="checkbox"/> N/A</td> </tr> </table>	<input type="checkbox"/> Yes	<input type="checkbox"/> No*	<input type="checkbox"/> N/A	<input type="checkbox"/> Yes	<input type="checkbox"/> No*	<input type="checkbox"/> N/A	<input type="checkbox"/> Yes	<input type="checkbox"/> No*	<input type="checkbox"/> N/A	<input type="checkbox"/> Yes	<input type="checkbox"/> No*	<input type="checkbox"/> N/A	<input type="checkbox"/> Yes	<input type="checkbox"/> No*	<input type="checkbox"/> N/A	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No*	<input type="checkbox"/> N/A	<input type="checkbox"/> Yes	<input type="checkbox"/> No*	<input type="checkbox"/> N/A
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1	Are all portable container(s) within designated storage area?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*
6	Is the container free of distortions, buckling, denting or bulging? <i>Note: If "No", discontinue use of container</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*



Any issues with these containers?

Questions



APSA SPCC STI SP001

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CONDOR EARTH
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