Oil Refineries Corp / 17 Apr 2019 / Jake Jameson

SPCC Plan Template - Tier 1 Conducted on **17th Apr, 2019** By **SafetyCulture Staff**

Complete

Inspection score	Failed items	Created actions
89.47%	2	0

Site
Oil Refineries Corp

Inspected by
Jake Jameson

Conducted on
17th Apr, 2019 2:05 PM +08

Location
Crossings, Tacoma, WA 98402, USA

Failed items

2 Failed

Inspection / Onshore Facilities (excluding production) (§§112.8(b) through (d), 112.12(b) through (d))

• Tanks have corrosion protection with coatings or cathodic protection compatible with local soil conditions.

Non-Compliant

Notes

We began to replace the old burried tanks because of suspected corrosion. Attached photo shows corrosion on one we excavated. TAT of completion 2 months from now.

Photos

Photo 1

For partially buried or bunkered metallic tanks [§112.8(c)(5) and §112.12(c)(5)]:
• Tanks have corrosion protection with coatings or cathodic protection compatible with local soil conditions.

Non-Compliant

Notes

Partially burried tanks are of same material as the completely burried tanks. Replacing them also and expected completion in 2 months.

Inspection

2 Failed 89.47%

This SPCC plan template for tier 1 qualified facility is based on this link from USEPA.

https://www.epa.gov/sites/production/files/2014-05/documents/tier1template.pdf

Begin by selecting which facility.

Onshore Facilities (excluding production)

Onshore Facilities (excluding production) (§§112.8(b) through (d), 112.12(b) through (d))

2 Failed

Drainage from diked storage areas is restrained by valves to prevent a discharge into the drainage system or facility effluent treatment system, except where facility systems are designed to control such discharge. Diked areas may be emptied by pumps or ejectors that must be manually activated after inspecting the condition of the accumulation to ensure no oil will be discharged. [§§112.8(b)(1) and 112.12(b)(1)]	Compliant
Valves of manual, open-and-closed design are used for the drainage of diked areas. [§§112.8(b)(2) and 112.12(b)(2)]	Compliant
The containers at the facility are compatible with materials stored and conditions of storage such as pressure and temperature. [§§112.8(c)(1) and 112.12(c)(1)]	Compliant
Secondary containment for the bulk storage containers (including mobile/portable oil storage containers) holds the capacity of the largest container plus additional capacity to contain precipitation. Mobile or portable oil storage containers are positioned to prevent a discharge as described in §112.1(b).[§112.6(a)(3)(ii)]	Compliant
If uncontaminated rainwater from diked areas drains into a storm drain or open watercourse the following procedures will be implemented at the facility: [§§112.8(c)(3) and 112.12(c)(3)]	
• Bypass valve is normally sealed closed	Compliant
• Retained rainwater is inspected to ensure that its presence will not cause a discharge to navigable waters or adjoining shorelines	Compliant
• Bypass valve is opened and resealed under responsible supervision	Compliant
• Adequate records of drainage are kept [See Dike Drainage Log in Attachment 3.3]	Compliant
For completely buried metallic tanks installed on or after January 10, 1974 at this facility [§§112.8(c)(4) and 112.12(c)(4)]:	

• Tanks have corrosion protection with coatings or cathodic protection compatible with local soil conditions.	Non-Compliant

Notes

We began to replace the old burried tanks because of suspected corrosion. Attached photo shows corrosion on one we excavated. TAT of completion 2 months from now.

Photos

Photo 1

• Regular leak testing is conducted.	Compliant
For partially buried or bunkered metallic tanks [§112.8(c)(5) and §112.12(c)(5)]: • Tanks have corrosion protection with coatings or cathodic protection compatible with local soil conditions.	Non-Compliant

Notes

Partially burried tanks are of same material as the completely burried tanks. Replacing them also and expected completion in 2 months.

Each aboveground bulk container is tested or inspected for integrity on a regular schedule and whenever material repairs are made. Scope and frequency of the inspections and inspector qualifications are in accordance with industry standards. Container supports and foundations are regularly inspected. [See Inspection Log and Schedule and Bulk Storage Container Inspection Schedule in Attachments 3.1 and 3.2] [§112.8(c)(6) and §112.12(c)(6)(i)]	Compliant
Outsides of bulk storage containers are frequently inspected for signs of deterioration, discharges, or accumulation of oil inside diked areas. [See Inspection Log and Schedule in Attachment 3.1] [§§112.8(c)(6) and 112.12(c)(6)]	Compliant
For bulk storage containers that are subject to 21 CFR part 110 which are shop-fabricated, constructed of austenitic stainless steel, elevated and have no external insulation, formal visual inspection is conducted on a regular schedule. Appropriate qualifications for personnel performing tests and inspections are documented. [See Inspection Log and Schedule and Bulk Storage Container Inspection Schedule in Attachments 3.1 and 3.2] [§112.12(c)(6)(ii)]	Compliant

Each container is provided with a system or documented procedure to prevent overfills for the container.	Compliant

Describe:

Apart from our level sensing equipment, containers are checked daily to ensure there will be no overfills. I checked the daily logs and it confirms low risk of overfills.

Liquid level sensing devices are regularly tested to ensure proper operation [See Inspection Log and Schedule in Attachment 3.1]. [§112.6(a)(3)(iii)]	Compliant
Visible discharges which result in a loss of oil from the container, including but not limited to seams, gaskets, piping, pumps, valves, rivets, and bolts are promptly corrected and oil in diked areas is promptly removed. [§§112.8(c)(10) and 112.12(c)(10)]	Compliant
Aboveground valves, piping, and appurtenances such as flange joints, expansion joints, valve glands and bodies, catch pans, pipeline supports, locking of valves, and metal surfaces are inspected regularly. [See Inspection Log and Schedule in Attachment 3.1] [§§112.8(d)(4) and 112.12(d)(4)]	Compliant

Notes

Regular inspection found one section of a main pipe's need to recoat.

Photos

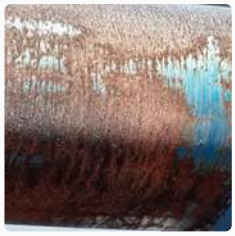

Photo 2

Integrity and leak testing are conducted on buried piping at the time of installation, modification, construction, relocation, or replacement. [See Inspection Log and Schedule in Attachment 3.1] [§§112.8(d)(4) and 112.12(d)(4)]	Compliant

Completion

Comments

Our main concern now is the replacement of the older containers while ensuring containment of possible spill. Our dikes are regularly inspected and I checked earlier today and I confirm that they are ready should any spill happen. Same total holding capacity upon completion of replacement and as long as we remain compliant with the spill threshold we can continue self-certification.

Name and Signature

Jake Jameson

17th Apr, 2019 2:31 PM +08

Photos

2 Photos

Photo 1

Photo 2