

Department of Environmental Protection

2600 Blair Stone Road ♦ Tallahassee, Florida 32399-2400

DEP Form: 62-761.900(9)
Form Title: Storage Tank Equipment
Registration Form
Effective Date: July 2019
Incorporated in Rule 62-761.850, F.A.C.

Storage Tank System Equipment Registration Form

Fill out completely

General Information

Company Name: Petroleum Equipment Manufacturing Co. Contact Name: Jorge Tamayo
Company Address: 2185 W. 76th Street City, State: Hialeah, FL Zip: 33016
E-mail: tamayo@pemcofl.com Contact Number: 305-558-9911
Product Name: Transition Sump
Model Number(s): 798TSSS Product Type: Stainless steel transition sump
Rule(s) citation that registration is being requested within Chapter 62-761 (UST), and/or 62-762 (AST), _____

F.A.C.: Write a brief description of equipment registration request including product limitations:

Rectangular stainless steel transition sump

Information Checklist (Choose Yes, No, or N/A - Not Applicable):

	Yes	No	N/A
1. Third-party Certification by a Nationally Recognized Testing Laboratory? (Required)	☒	☐	☐
2. Documentation of third-party evaluation that the equipment meets DEP Rules?	☒	☐	☐
3. Documents included about the qualifications of the Nationally Recognized Testing Laboratory?	☒	☐	☐
4. Technical information and drawings included?	☒	☐	☐
5. Installation instructions included?	☐	☒	☐
6. Annual Operability Testing Requirements (Rules 62-761.500, 62-762.501, & 62-762.502 F.A.C.)?	☐	☒	☐
7. Integrity Testing Requirements (Rules 62-761.700, 62-762.701, & 62-762.702, F.A.C.)?	☐	☒	☐
8. Compatible with fuel blends containing >10% ethanol or >20% biodiesel?	☐	☒	☐
9. Has the product been approved or registered in other countries or states? (If so provide list)	☐	☒	☐
10. Any requirements for company-certified installers or trainers?	☐	☒	☐
11. Was this product(s) previously approved or registered by the Department? If yes, EQ- _____	☐	☒	☐
12. Any changes or modifications to the equipment since the last submittal to DEP?	☐	☒	☐

Document Information: Provide supporting documents indicated as "Yes" above including this form via email to Tanknotify@floridadep.gov, or documents can be sent to FDEP, Division of Waste Management, 2600 Blair Stone Road, MS 4560, Tallahassee, FL 32399.

Write a brief description of equipment installation and performance in the U.S.:

Water tight stainless transition sump to contain any leaks in pipe connections

Equipment Registration Certification:

To the best of my knowledge and belief, all information submitted on this form is true, accurate and complete.

Jorge Tamayo V.P. Sales

Printed Name and Title

Signature (right click to sign)

12/20/2023

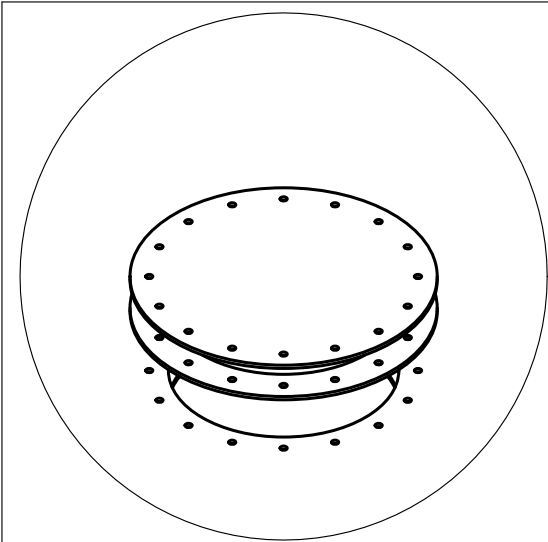
Date

For Department Use Only:

Date Application Received: 01/05/2024 Application complete: Yes: ☒ No: ☐

EQ- 1000 Date of complete or incomplete letter sent: 01/22/2024 Date Equipment Requires Renewal: 01/22/2029

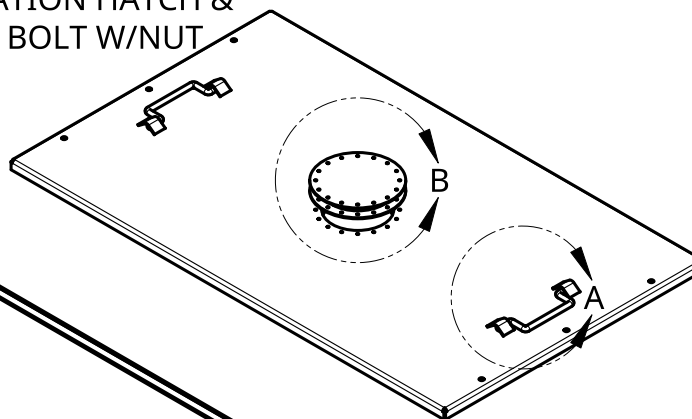
Storage tank system equipment requires renewal every 5 years in accordance with subsection 62-761.850(2), F.A.C.



DETAIL B -
OBSERVATION HATCH
SCALE 1:5

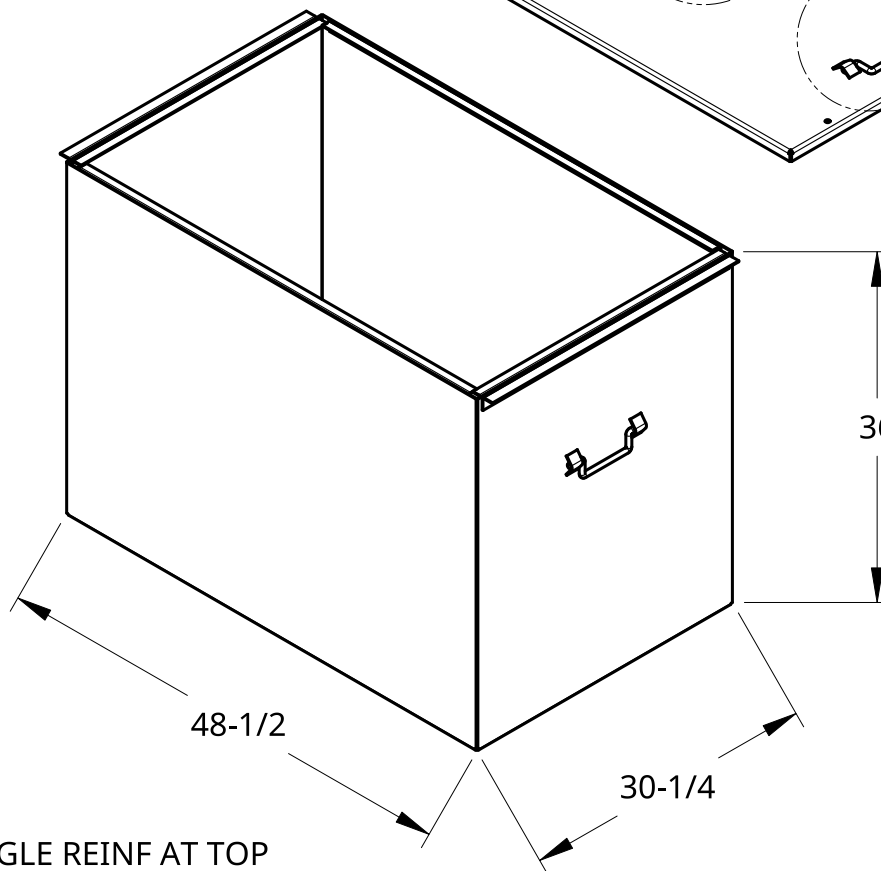
- 8" HATCH IS 12GA SS PLATE.
- GASKET IS 1/8" RUBBER
- BACKING RING W/RIVNUT THD INSERTS TACK WELDED INSIDE LID
- (16) SS SHCS W/NYLON WASHERS SECURING HATCH AND GASKET TO LID

LID W/ OBSERVATION HATCH &
(6) 7/16" SS HEX BOLT W/NUT
& WASHER



DETAIL A - HANDLE
SCALE 1:8

HANDLE IS 1/2"
ROUND BAR,
SECURED W/ 12ga
WELDED CLIPS



TANK
W/ 1" ANGLE REINF AT TOP
INSIDE EDGES & 1- $\frac{1}{4}$ " ANGLE AT
OUTSIDE ENDS FOR BOLTING
LID

DO NOT SCALE DRAWING
BREAK ALL SHARP EDGES AND REMOVE BURRS
THIRD ANGLE PROJECTION

	NAME	DATE			
DRAWN	ROB SHANK	12/12/2023			
CHECKED			TITLE		
APPROVED					
			PEMCO SUMP TANK		
			SIZE	DWG NO.	REV.
			A	SUMP1	0
			SCALE	WEIGHT	SHEET
					1 of 1

ATM Engineering

Aubrey Engineering, LLC d/b/a ATM Engineering
TESTING LABORATORIES - ENGINEERING INSPECTION SERVICES - DRILLING - ENVIRONMENTAL SERVICES.

CLIENT: PEMCO
2185 W 76th St
Hialeah, FL 33016

DATE: 10 December 2023

Re: Static Leak Testing of Sump

CERTIFICATE OF INSPECTION AND ANALYSIS

Pursuant to your request, ATM ENGINEERING performed a 24-hour Static Leak Test on the Sump at our facility from October 29 to October 30, 2023.

The purpose of our inspection was to determine whether the unit would hold water under atmospheric conditions without leaking for 24-hours. From discussions with PEMCO, it is our understanding that this matches the field operating conditions of the Sump.

We tested the Sump delivered on 25 October 2023. We received the unit assembled and uncoated.

Our test procedure included the following.

- Taking dimensions of the Sump unit provided. PEMCO stated that there is no serial number or unique identifier for the Sump provided. We were unable to validate the base material, but it appears to be stainless steel. The Sump consists of an open-top tank with no penetrations and a matching lid with an observation port and holes for bolting to the top of the tank.
- Measurement of the internal height to the top of the tank front / top opening was roughly 36 inches above the inside bottom. This height determines the water level for testing.
- The Sump has no supports or bottom structure, so we placed the Sump on wood blocks and a pallet jack for testing. If leakage occurred, it would likely be along one of the bottom seam welds. We conducted the test inside the laboratory workshop, which is open to the atmosphere, shaded from the sun and controlled by ATM personnel at all times.
- We filled the Sump with clean, 74 degF tap water to the top of the tank starting at 1:15pm on 29 October. Atmospheric conditions at the start of the test were 78deg F and 75% RH. We placed the lid on the Sump and left the Sump undisturbed for 24 hours. We visually inspected the underside of the Sump every hour until 5pm that day, and again starting at 7am on 30 October.
- We performed final inspection of the Sump at 2:15 pm on 30 October. No leakage observed. Observed no measurable decrease in water level inside the Sump. Water temperature was 77 deg F.

ATM Engineering

Aubrey Engineering, LLC d/b/a ATM Engineering
TESTING LABORATORIES - ENGINEERING INSPECTION SERVICES - DRILLING - ENVIRONMENTAL SERVICES.

PEMCO – Sump
Page two
10 December 2023

It is, therefore, our opinion that the unit passes the 24-hour static leak test.

The results presented here are limited to the tested unit. These results are sample dependent within the limits of PEMCO's QC. This report should not be relied upon to represent conditions of other Sump units. This report was prepared under contract with PEMCO to perform the above testing expressly for EQ application with the Florida Department of Environmental Protection (DEP).

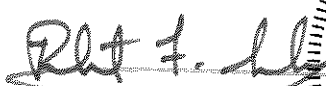
This report cannot be used by any other entity without our express written authorization. ATM reserves the right to supplement this report if more information and/or further issues are discovered.

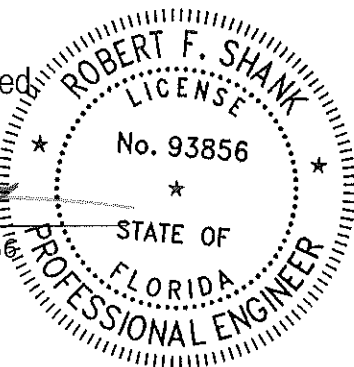
Aubrey Engineering, LLC d/b/a ATM Engineering (www.atmeng.com), is an independent third party providing unbiased testing information and results. ATM is accredited by CMEC (<http://cmec.org>) under AASHTO specification R18, and the Florida Department of Transportation (FDOT) for the testing of construction materials. Please contact us if there are any questions regarding our laboratory's qualifications.

ATM is neither affiliated with PEMCO, its parent or subsidiary companies nor do we have any financial interest in the conclusions or extracts from or regarding our test results or reports.

It has been a pleasure serving you at this phase of your project and look forward to doing so again in the near future.

Respectfully Submitted,


Robert Shank, PE #93856



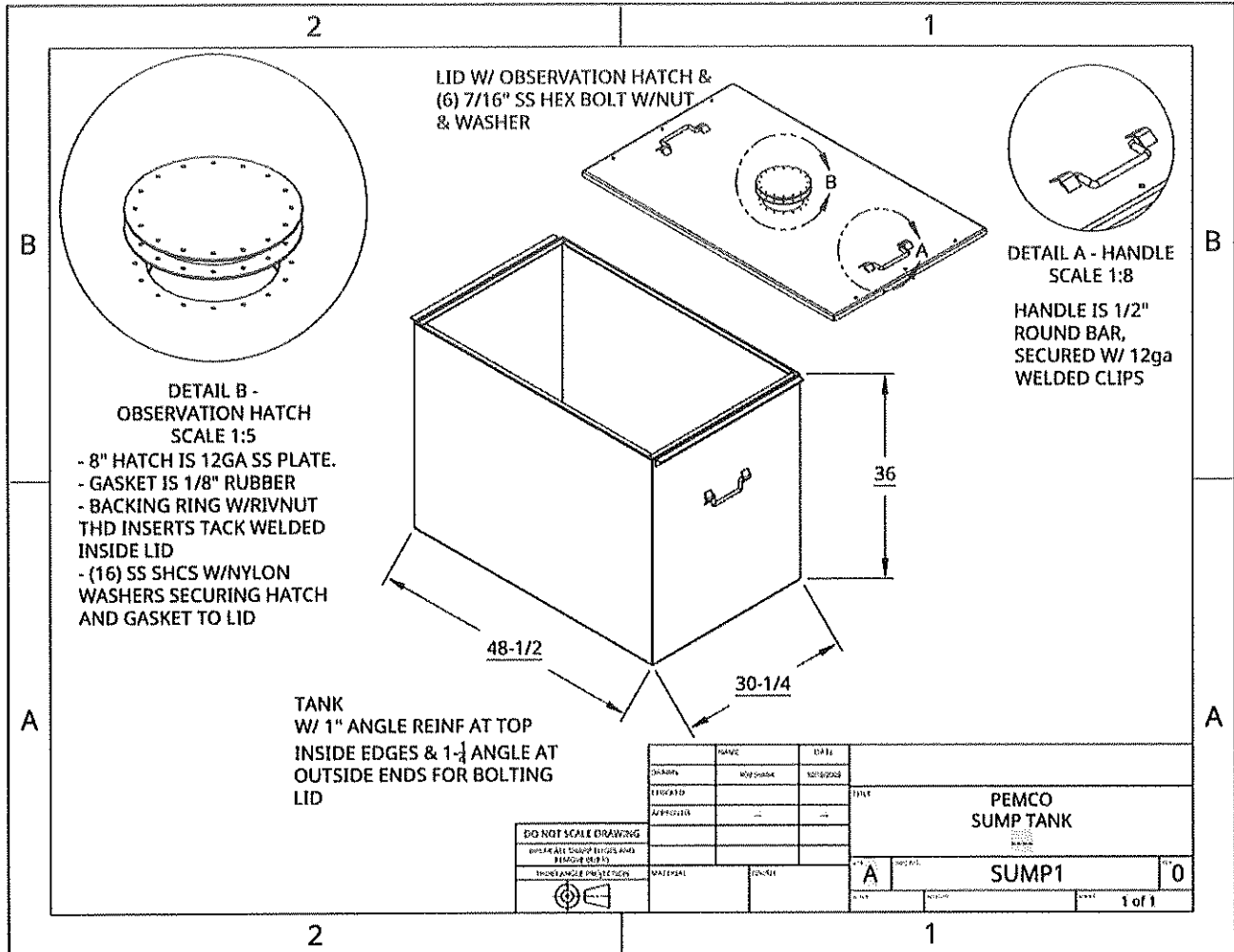
Enclosures:

- Drawing for the Sump, as developed by ATM Engineering
- Photos of the Sump provided for testing.

ATM Engineering

Aubrey Engineering, LLC d/b/a ATM Engineering
TESTING LABORATORIES - ENGINEERING INSPECTION SERVICES - DRILLING - ENVIRONMENTAL SERVICES.

Product Drawing for the Sump, as drawn by ATM Engineering.

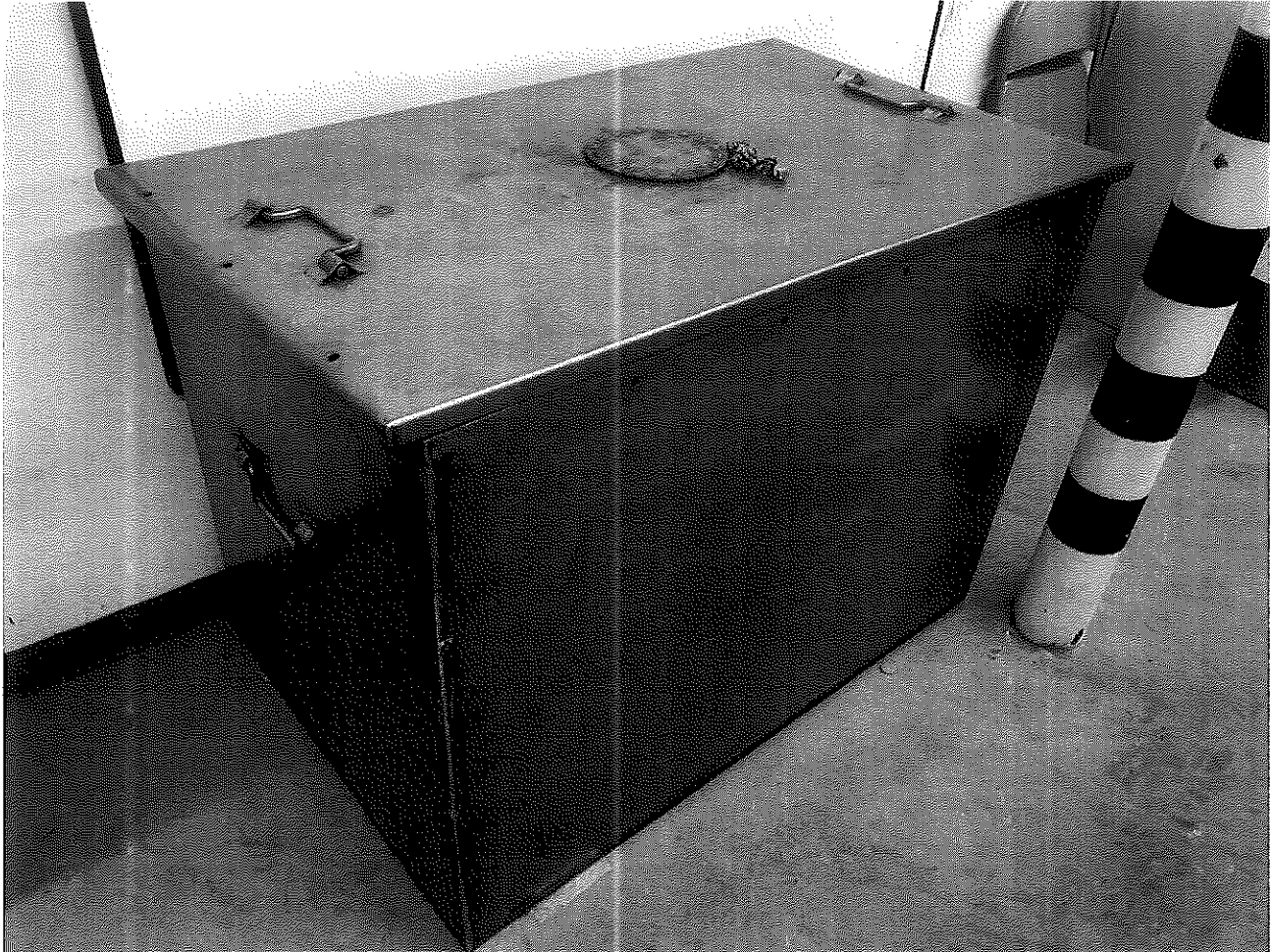


ATM Engineering

Aubrey Engineering, LLC d/b/a ATM Engineering

TESTING LABORATORIES - ENGINEERING INSPECTION SERVICES - DRILLING - ENVIRONMENTAL SERVICES.

Photo of the Sump provided for testing



ATM Engineering

Aubrey Engineering, LLC d/b/a ATM Engineering

TESTING LABORATORIES - ENGINEERING INSPECTION SERVICES - DRILLING - ENVIRONMENTAL SERVICES.

Photo showing Sump while undergoing testing.



(end of report)