

Accurate Tank Testing LLC

www.oiltanktesting.com

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N.J.D.E.P. #US00006

Thursday November 11, 2021

T. Slack Environmental Services
180 Market Street
Kenilworth, NJ 07033

Re: 1-2,000 Gallon, Diesel Stip3
Underground Storage Tank
Cherry Lane Pump Station
Cherry Lane
West Orange, NJ 07052

Dear Sir/Madam,

Enclosed please find the result of the EZY3 Locator Plus acoustic precision evaluation performed on the 2,000 gallon, diesel fuel oil underground storage tank and associated piping located at the above referenced property. All tank evaluations conform to U.S.E.P.A. and N.J.D.E.P. tank testing criteria and the results are as follows:

DATE	TANK	RESULT (PASS/FAIL)
11/10/21	2,000 gallon diesel	FAIL

The tank contained 41.00" of fuel and 0.0" of water at the time of the test.

The acoustical profile indicates a leak above or below the liquid level is the cause of the test failure. If this tank is to remain in service the tank must be investigated to determine the exact cause of the test failure. Examples of leaks are: corroded or loose - fill pipes, air vent pipes, compression fittings and/or corrosion holes in the tank itself.

Possible options for investigating the cause of failure are: uncovering the tank top and inspecting all the piping and connections, isolating the tank from the piping and retesting the tank separately. If repairs are made, the tank must be retested to ensure integrity of the tank and associated piping for the tank to remain in service. ***Sometimes the expense to perform this work is costly and replacement of the tank may be warranted.***

If you choose to investigate the reason for the failure via isolation test, please contact us when the tank top is completely excavated so that a retest can be performed before the tank is backfilled. This allows us to thoroughly investigate the tank system before the tank is put back in service.

Accurate recommends isolating piping at sump and retesting tank.

If you have any questions or require additional information, please do not hesitate to contact me.

Thank you,

Kevin Richards
NJDEP #249447

EZY 3 LOCATOR PLUS

MANUFACTURED BY: ESTABROOK'S INC. 1-877-368-7215

VACUUM CALCULATION WATER SENSOR CALIBRATION

DATE 11/11/21

Test Operator: Kevin Richards

Signed Kevin Richards

Operator's State Certification # 249447

TANK MATERIAL SW-Steel Stip3

TOTAL TANK VOL. 2,000 GALLONS

TEST # 1 Site ID # 1

PRODUCT VOL. 41.0000 INCHES

CUSTOMER: T. Slack Envoironmental Services

ULLAGE VOL. 31.0000 INCHES

SITE: Cherry Lane Pump Station

PRODUCT TYPE DIESEL

Cherry Lane

West Orange, NJ

Vacuum Sensor Calculation

<u>41.0000</u> INCHES OF PRODUCT	X	<u>0.031</u> WEIGHT OF PRODUCT	=	<u>1.271</u>	PSI (1)
<u>0.000</u> INCHES OF WATER IN TANK	X	<u>.036</u>	=	<u>0.000</u>	PSI (2)
Line 1 + Line 2 = Total Positive Head Pressure In Tank			=	<u>1.2710</u>	PSI (3)
<u>0.0</u> INCHES OF WATER OUTSIDE TANK	X	<u>.036</u>	=	<u>0.000</u>	PSI (4)
Total Head Pressure Minus Outside Water Pressure			=	<u>1.2710</u>	+/-PSI (5)
Always add .5 PSI			+	<u>0.5000</u>	PSI (6)
NOTE: If Line 6 is Less Than .5 PSI Line 7 Shall be .5 PSI					
TEST PRESSURE			=	<u>1.77</u>	+/-PSI (7)
Test Setpoint Range: <u>49.10</u> to <u>59.10</u> Inches W.C.					

ACOUSTIC TEST TIME

	TIME	PRESSURE
Blower Started:	<u>8:30</u>	<u>0.00</u>
Test Pressure Reached:	<u>9:00</u>	<u>59.10</u>
Blower Turned Off:	<u>9:00</u>	<u>59.10</u>
Test Began:	<u>9:00</u>	<u>59.10</u>
Test Ended:	<u>9:30</u>	<u>57.40</u>

TEST RESULT: Failed

Depth of Groundwater Determined:

By: Not Applicable

Where: Not Applicable

WATER SENSOR CALIBRATION

Water sensor used? Yes / No NO

Added: Cal #1 Cal #2 Cal #3

Average:

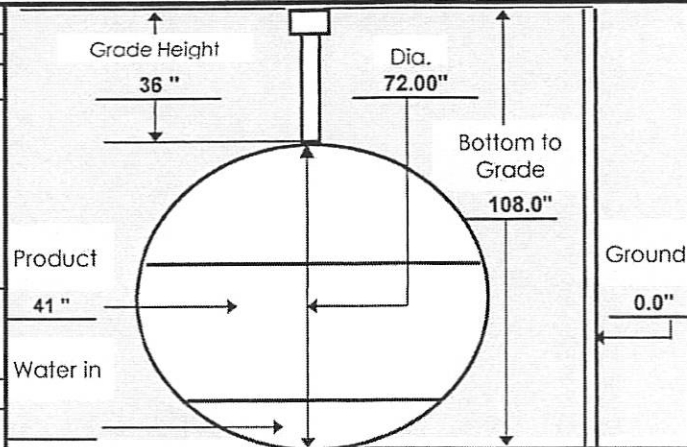
NOTE:

Calculation for Test Period:

0 ÷ 3780 = 0.00000 ÷ .05 = 0 minutes
Ave. Cal. "A" Factor Time of Test

WATER INTRUSION TEST PERIOD

Began:
Ended:



Accurate Tank Testing LLC.

VACUUM TREND ANALYSIS

DATE: 11/11/2021		PBS# (NEW YORK):	
TOTAL TANK VOL.(Gal): 2,000		TANK#: 1	
PRODUCT VOL.(In): 41.00		LOCATION:	
ULLAGE VOL.(In): 31.00		Cherry Lane Pump Station	
PRODUCT TYPE: DIESEL		Cherry Lane	
		West Orange, NJ	
		0	

START TIME	DATA	MAX "/+"	RPH	OFF	TEST	WATER
9:00	59.1					
9:05	58.7	-0.4	0.9			
9:10	58.4	-0.3	0.7			
9:15	58.1	-0.3	0.7			
9:20	57.8	-0.3	0.7			
9:25	57.6	-0.2	0.9			
9:30	57.4	-0.2	0.9			

THE ACOUSTIC CHARACTERISTIC OF A LEAK REVEALS:

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TIGHT TANK

THIS UNDERGROUND STORAGE TANK PASSES THE CRITERIA SET FORTH BY THE U.S. E.P.A.

ULLAGE (DRY) PORTION LEAK

THIS UNDERGROUND STORAGE TANK FAILS THE CRITERIA SET FORTH BY THE U.S. E.P.A.

BELOW PRODUCT LEVEL (WET) PORTION LEAK

THIS UNDERGROUND STORAGE TANK FAILS THE CRITERIA SET FORTH BY THE U.S. E.P.A.

WATER SENSOR INDICATES (CHECK ONLY ONE)

☐

NO WATER INTRUSION

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WATER INTRUSION

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NOT APPLICABLE

SIGNATURE OF OPERATOR:

Kevin Richards

PRINT NAME: Kevin Richards

CERTIFICATION #: 08-5831

EXPIRATION DATE: 3/12/2023