



AN ENVIRONMENTAL COMPLIANCE COMPANY

316 W Indiana Ave.
Chesterton, IN 46304

TANK PRESSURE CALCULATION and WATER SENSOR CALIBRATION

EZY CHEK SYSTEMS

FINAL REPORT

PC # and WO #	
NAME and FID #	CITGO #16409
ADDRESS	509 E US 20
CITY/STATE/ZIP	MICHIGAN CITY, IN 46360
CONTACT	PAUL
PHONE	269-861-1800

DATE AND TIME	4-29-25 6:56-9:12
WEATHER	72 SUNNY
INVOICE	COLLECTED
TOTAL TANK VOL.	8015
PRODUCT VOL.	1984
ULLAGE VOL.	6031
PRODUCT TYPE	DIESEL
TANK #	4
Water Level Surrounding Tanks	NO WELL
BY:	STICK
WHERE:	MONITORING WELL - TANK BED

THE ACOUSTIC CHARACTERISTIC OF A LEAK REVEALS:

PASS TIGHT TANK

THIS UNDERGROUND STORAGE TANK PASSES / FAILS THE CRITERIA SET FORTH BY THE U.S. EPA.

PASS ULLAGE (DRY) PORTION OF LEAK

THIS UNDERGROUND STORAGE TANK PASSES / FAILS THE CRITERIA SET FORTH BY THE U.S. EPA.

PASS BELOW PRODUCT LEVEL (WET) PORTION LEAK

THIS UNDERGROUND STORAGE TANK PASSES / FAILS THE CRITERIA SET FORTH BY THE U.S. EPA.

WATER SENSOR INDICATES:

(MARK ONLY ONE)

No Water Intrusion ☒

Water Intrusion ☐

Not Applicable ☐

OPERATOR INFO

Print Name	Ryan Hartman	Certification #	02-6669
Sign Name	<i>Ryan Hartman</i>	Expiration Date	9/3/25
Testing Company	Midwest Tank Testing	Telephone #	800-975-1436
Address	316 W Indiana Ave.		
City/State/Zip	Chesterton, IN 46304		

	Serial Number
IN-TANK MICROPHONE	M1904001 M2106004 M2235001
ACOUSTIC SIGNAL PROCESSOR	E1815004
PRESSURE SENSOR	40665414 40665314 41425121
WATER SENSOR DISPLAY	D1902350 D1411504 D2203802
WATER SENSOR PROBE	P2310618 P2310610 P2207117

Calibration Expiration Date
November-25
November-25
November-25
November-25
November-25

COMMENTS/RECOMMENDATIONS:

TANK PRESSURE CALCULATION and WATER SENSOR CALIBRATION

EZY CHEK SYSTEMS

DATA SHEET

DATE AND TIME	4-29-25 6:56-9:12
WEATHER	72 SUNNY
INVOICE	COLLECTED
TOTAL TANK VOL.	8015
PRODUCT VOL.	1984
ULLAGE VOL.	6031
PRODUCT TYPE	DIESEL
TANK #	4
Water Level Surrounding Tanks	NO WELL
BY:	MEASURING STICK
WHERE:	MONITORING WELL - TANK BED

Test Location Information		Certifications
PC # and WO #		Indiana: UC201511138C & UC111867
NAME and FID #	CITGO #16409	Illinois: 002401
ADDRESS	509 E US 20	Wisconsin: 411637
CITY/STATE/ZIP	MICHIGAN CITY, IN 46360	
CONTACT	PAUL	
PHONE	269-861-1800	

TANK TIGHTNESS TEST - (TTT) PRESSURE SENSOR CALCULATION

28.00	x	0.031	=	0.868	PSI (1)
INCHES OF PRODUCT		WEIGHT OF PRODUCT			
1.75	x	.036	=	0.063	PSI (2)
INCHES OF WATER IN TANK					
Line 1 + Line 2 = Total Positive Head Pressure In Tank			=	0.931	PSI (3)
0.00	x	.036	=	0.000	PSI (4)
INCHES OF WATER OUTSIDE TANK					
Total Head Pressure Minus Outside Water Pressure			=	0.931	+/- PSI (5)
Always add .5 PSI			+	0.500	PSI (6)
NOTE: If Line 6 is Less Than .5 PSI Line 7 Shall be .5 PSI					
TEST PRESSURE			=	0.500	+/- PSI (7)

ACOUSTIC TEST TIME

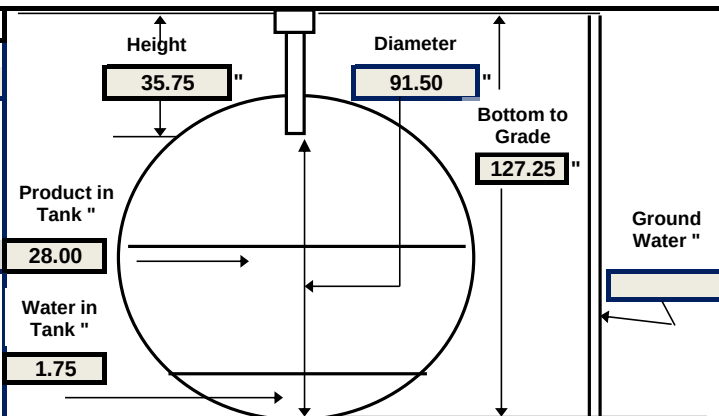
	Time	Pressure
Baseline Background:	7:22 AM	0.0
Blower Started:	7:23 AM	0.0
Test Pressure Reached:	7:28 AM	0.643
Blower Turned Off:	7:28 AM	0.643
Test Began:	7:29 AM	0.643
Test Ended:	7:31 AM	0.642

EQUIPMENT CALIBRATION DUE DATE AND SERIAL NUMBERS

	Serial Number	Calibration Due Date
In-Tank Microphone	M1904001 M2106004 M2235001	November-25
Acoustic Signal Processor	E1815004	November-25
Pressure Sensor	40665414 40665314 41425121	November-25
Water Sensor Display	D1902350 D1411504 D2203802	November-25
Water Sensor Probe	P2310618 P2310610 P2207117	November-25

WATER SENSOR CALIBRATION

Added:	70	80	80
	Cal #1	Cal #2	Cal #3
Average:	77		
Calculation for Test Period:			
77 ÷ 3780 = 0.020 ÷ .05 = 0.407 x 60 = 24 minutes			
Avg. Cal. "A" Factor			
Water Intrusion Test Period:			
Began:	7:35 AM		
Ended:	7:59 AM		



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

Underground Storage Tank



IDEM

RYAN HARTMAN
316 W INDIANA AVENUE
CHESTERTON, IN 46304

STATE/PERMIT#
UC111867

ISSUED
12/10/2024

EFFECTIVE
12/10/2024

DISCIPLINES

☒ Installation or Retrofitting
Expiration Date: **11/26/2026**

☐ Decommissioning
Expiration Date:

☒ Cathodic Protection
Expiration Date: **3/1/2026**

☒ Tank Tightness Testing
Expiration Date: **3/30/2026**

The attached testing was completed at this site by an IDHS certified technician.

Technician's Signature: _____

Ryan Hartman

Midwest Tank Testing

AN ENVIRONMENTAL COMPLIANCE COMPANY

316 W. Indiana Ave.

Chesterton, IN 46304

(800) 975-1436

Serving the Midwest Since 1990