



Sustainability in Action

January 24, 2024

Mr. Andrew Greenhagen  
United States Environmental Protection Agency  
Region 5 (WU-16J)  
77 West Jackson Blvd.  
Chicago, Illinois 60604

**RE: RIES Annual UIC Report 2023**

Dear Mr. Greenhagen:

Attached please find the Republic Industrial and Energy Solutions, LLC ("RIES") 2023 Annual Report in conformance with the requirements of its two EPA UIC permits (MI-163-1W-0010 & MI-163-1W-0011), Section II.D.2. RIES is providing information as required by section II.D.2 of the permits, as follows:

- A. Results of the injection fluid analyses specified in Part III(A) and (E) of the permits, and the approved Waste Analysis Plan ("WAP") were previously submitted to EPA as part of the Monthly UIC Reports for January through December 2023, dated 02.23.23, 03.23.23, 04.05.23, 05.09.23, 06.01.23, 07.31.23, 08.10.23, 09.29.23, 10.27.23, 11.30.23, 12.29.23, and 01.24.24. The previously submitted reports identify the components of the waste stream by their common name, chemical name, structure, and concentration.
- B. The most recent Mechanical Integrity Testing & Reservoir Testing report dated August 11, 2023, and September 5, 2023, was submitted to EPA on October 5, 2023.
- C. Results of the calibration of measuring equipment as required in Part II(C)(7) of the permits are provided in Attachment A of this submittal.
- D. Records documenting annual operator training required in Part II(B)(5) of the permits for 2023 are provided in Attachment B of this submittal.
- E. Per Part II(C)(8) of the permits, a compliance audit report is required to be generated by an independent third party at least every twenty-four months. NTH was contracted to perform the audit. The audit was initiated on December 18, 2023. Findings of the audit will be submitted to the EPA upon completion of the report by NTH.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

If you have any questions, please feel free to contact Sadiq Alsaïdi, Environmental Compliance Specialist, at 248-517-1133.

Sincerely,

A handwritten signature in black ink, appearing to read 'JCBarta'.

John C. Barta  
General Manager

cc: Tabetha L. Peebles (Republic Services)  
John Frost (Republic Services)  
Sadiq Alsaïdi (Republic Services)

# ATTACHMENT A



July 24, 2023

Jason Rubin  
Republic Industrial and Energy Solutions  
10613 W. Sam Houston Parkway N.  
Houston, TX 77064

Re: Calibration Performed at Republic Industrial and Energy Solutions.  
Job No. REPS238555-1

Dear Jason,

Please find enclosed (10) ten calibration forms for the Republic Industrial and Energy Solutions location dated July 14, 2023. If you have any questions, please feel free to call our office at 734-424-1200.

Sincerely,

Brian Davis  
Project Manager

BD/re

**Team UIS**

2290 Bishop Circle East  
Dexter, MI 48130  
Phone: (734) 424-1200 - Fax: (734) 424-0031  
teamuis.com

**Team UIS**  
Utilities Instrumentation Service  
UIS SCADA  
UIS Renewable Power  
UIS Electrical Studies  
UIS - Ohio



**Table of Contents**  
**Job #REPS238555-1**



Customer Republic Services  
 User Republic Services  
 Plant 28470 Citrin Drive

<b>Substation</b>	<b>Position</b>	<b>Equipment</b>	<b>Page</b>
Well 1	Annulus Pressure PRI	ISO-81235D1-ISO CERT 2015 .....	1
Well 1	Annulus Pressure SEC	ISO-81235D1-ISO CERT 2015 .....	2
Well 1	Well Flow	ISO-81235D1-ISO CERT 2015 .....	3
Well 1	Well Pressure Logger	ISO-81235D1-ISO CERT 2015 .....	4
Well 1	Well Pressure Primary	ISO-81235D1-ISO CERT 2015 .....	5
Well 2	Annulus Pressure Primary	ISO-81235D1-ISO CERT 2015 (4) .....	6
Well 2	Annulus Pressure SEC	ISO-81235D1-ISO CERT 2015 (5) .....	7
Well 2	Well Flow	ISO-81235D1-ISO CERT 2015 (2) .....	8
Well 2	Well Pressure Primary	ISO-81235D1-ISO CERT 2015 (5) .....	9
Well 2	Well Pressure SEC (logger)	ISO-81235D1-ISO CERT 2015 (6) .....	10



# CALIBRATION CERTIFICATE

**UIS SCADA**  
 2290 Bishop Circle E.  
 Dexter, MI 48130  
 734-424-1200

CUSTOMER Republic Services CERTIFICATE # REPS238555-1, 1  
 Address 28470 Citrin Drive; Romulus MI US 48174 JOB # REPS238555-1  
 USER Republic Services; 28470 Citrin Drive; Romulus MI US 48174 PAGE 1  
 OWNER REPRESENTATIVE John Frost TELEPHONE 734-946-1000  
 Service Date: 7/14/2023 Temp: 83 °F Humidity: 51 %RH  
 Equip Location: Plant Sub/Parent: Well 1 Position/Child: Annulus Pressure PRI

**NAMEPLATE**

Item Tested Pressure Transmitter  
 Manufacturer Yokogawa Model Number EJA530  
 Serial Number 91V719511 Tag Number PIT3838  
 Operating Range cal 0-1000 psig (Span of Meter 0-7200 psi) Procedure/Method Fluke 754:75x\_umeng0000 rev Jul 2011

As Found - Within Spec			As Left - Within Spec					
INPUT	psig	OUTPUT	mA / psig					
Line	%	Applied	As Found	OOT	As Left	OOT	Lo Spec	Hi Spec
1		0	4.00	<input type="checkbox"/>	4.00	<input type="checkbox"/>	-2	2
2		250	4.55	<input type="checkbox"/>	4.55	<input type="checkbox"/>	248	252
3		500	5.11	<input type="checkbox"/>	5.11	<input type="checkbox"/>	498	502
4		750	5.66	<input type="checkbox"/>	5.66	<input type="checkbox"/>	748	752
5		1000	6.21	<input type="checkbox"/>	6.21	<input type="checkbox"/>	998	1002
6		Hart Address	1	<input type="checkbox"/>	1	<input type="checkbox"/>		
7				<input type="checkbox"/>		<input type="checkbox"/>		

Communicator:	Hart-OEM Specific	Totalizer As Found	NA	Totalizer As Left	NA	Gal
#	Manufacturer	Model	Serial / ID Number	Calibration Date	Calibration Due	
1	Fluke	700RG31 10Kpsi	SHOP-2526	3/20/2023	3/31/2024	
2	Fluke	754	JW-2395	10/27/2022	10/31/2023	
3	Extech	RH300(ambient)	CMC-1772	1/11/2021	1/11/2026	

**Comments:**  
 Hart Address 1  
 switched with datalogger due to transmitter dropping out during operation serial 5613698

**Deficiencies:**

Traceability at UIS, Inc. is achieved through an unbroken chain of measurements with known uncertainties, to the International Systems of Units (SI) thru NIST or another Metrology Institute. The results contained within relate only to the item(s) calibrated. Pass/Fail or In/Out of tolerance statements are the opinions of UIS, Inc., decisions are based on data from measurements made, procedure utilized, professional experience. It is the responsibility of the user of this equipment to determine if the results identified meet specific requirements for accuracy and its intended use. Due dates appearing on the certificate of calibration and label are determined by client for administrative purposes without the written approval of UIS, Inc., and do not imply continued conformance to specifications. The Confidence Factor is K=2 approx. 95% Confidence Level. All Certificates are page 1 of 1 unless otherwise specified. Page numbers at the top refer to the overall Job. This certificate shall not be reproduced except in full, without the written approval of UIS, Inc. Decision Rule 1: Measurement Uncertainty IS NOT taken into account for determining PASS or FAIL.



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**UIS SCADA**  
 2290 Bishop Circle E.  
 Dexter, MI 48130  
 734-424-1200

CUSTOMER Republic Services CERTIFICATE # REPS238555-1, 2  
 Address 28470 Citrin Drive; Romulus MI US 48174 JOB # REPS238555-1  
 USER Republic Services; 28470 Citrin Drive; Romulus MI US 48174 PAGE 2  
 OWNER REPRESENTATIVE John Frost TELEPHONE 734-946-1000  
 Service Date: 7/14/2023 Temp: 83 °F Humidity: 51 %RH  
 Equip Location: Plant Sub/Parent: Well 1 Position/Child: Annulus Pressure SEC

**NAMEPLATE**

Item Tested Pressure Transmitter  
 Manufacturer Yokogawa Model Number EJA530E  
 Serial Number 91V927584 Tag Number PIT3838  
 Operating Range cal 0-1000 psig HART Procedure/Method Fluke 754:75x\_umeng0000 rev Jul 2011

As Found - Within Spec		As Left - Within Spec						
INPUT	psig	OUTPUT	psig					
Line	%	Applied	As Found	OOT	As Left	OOT	Lo Spec	Hi Spec
1		0	1	<input type="checkbox"/>	1	<input type="checkbox"/>	-2	2
2		250	248	<input type="checkbox"/>	248	<input type="checkbox"/>	248	252
3		500	498	<input type="checkbox"/>	498	<input type="checkbox"/>	498	502
4		750	749	<input type="checkbox"/>	749	<input type="checkbox"/>	748	752
5		1000	998	<input type="checkbox"/>	998	<input type="checkbox"/>	998	1002
6		Hart Address	1	<input type="checkbox"/>	1	<input type="checkbox"/>		
7				<input type="checkbox"/>		<input type="checkbox"/>		

Communicator:	Hart-OEM Specific	Totalizer As Found	NA	Totalizer As Left	NA	Gal
#	Manufacturer	Model	Serial / ID Number	Calibration Date	Calibration Due	
1	Fluke	700RG31 10Kpsi	SHOP-2526	3/20/2023	3/31/2024	
2	Fluke	754	JW-2395	10/27/2022	10/31/2023	
3	Extech	RH300(ambient)	CMC-1772	1/11/2021	1/11/2026	

**Comments:**  
 Hart Address 1  
 switched with datalogger due to transmitter dropping out during operation serial 5613698

**Deficiencies:**

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**UIS SCADA**  
 2290 Bishop Circle E.  
 Dexter, MI 48130  
 734-424-1200

CUSTOMER Republic Services CERTIFICATE # REPS238555-1, 3  
 Address 28470 Citrin Drive; Romulus MI US 48174 JOB # REPS238555-1  
 USER Republic Services; 28470 Citrin Drive; Romulus MI US 48174 PAGE 3  
 OWNER REPRESENTATIVE John Frost TELEPHONE 734-946-1000  
 Service Date: 7/14/2023 Temp: 80 °F Humidity: 57 %RH  
 Equip Location: Plant Sub/Parent: Well 1 Position/Child: Well Flow

**NAMEPLATE**

Item Tested Clamp-on Flowmeter  
 Manufacturer Keyence Model Number FD-R80  
 Serial Number #G38220528 Tag Number NA  
 Operating Range 0-400 GPM Procedure/Method Fluke 754:75x\_umeng0000 rev Jul 2011

Line	INPUT		OUTPUT		Diag	
	%	Applied	As Found	OOT	As Left	OOT
1	GPM	KEYENCE	27.5	<input type="checkbox"/>	27.5	<input type="checkbox"/>
2	GPM	GREYLINE TFFM 6.1	27.3	<input type="checkbox"/>	27.3	<input type="checkbox"/>
3				<input type="checkbox"/>		<input type="checkbox"/>

Communicator:	Totalizer As Found	NA	Totalizer As Left	NA	Gal
#	Manufacturer	Model	Serial / ID Number	Calibration Date	Calibration Due
1	Extech	RH300(ambient)	CMC-1772	1/11/2021	1/11/2026
2	Grey Line	TTFM	SHOP-2518	5/18/2023	5/31/2026

**Comments:**  
 3" hastalloy schedule 40, 3.50 OD, wall thickness 0.216", 0.46" spacing at 1 pass, use other for pipe material.

**Deficiencies:**

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# CALIBRATION CERTIFICATE

**UIS SCADA**  
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 Dexter, MI 48130  
 734-424-1200

CUSTOMER Republic Services CERTIFICATE # REPS238555-1, 4  
 Address 28470 Citrin Drive; Romulus MI US 48174 JOB # REPS238555-1  
 USER Republic Services; 28470 Citrin Drive; Romulus MI US 48174 PAGE 4  
 OWNER REPRESENTATIVE John Frost TELEPHONE 734-946-1000  
 Service Date: 7/14/2023 Temp: 83 °F Humidity: 51 %RH  
 Equip Location: Plant Sub/Parent: Well 1 Position/Child: Well Pressure Logger

**NAMEPLATE**

Item Tested Pressure Transmitter  
 Manufacturer Yokogawa Model Number EJA53  
 Serial Number 91V631757-926 Tag Number PIT3938  
 Operating Range cal 0-1000 psig Procedure/Method Fluke 754:75x\_umeng0000 rev Jul 2011

Line	%	INPUT	OUTPUT		Lo Spec	Hi Spec
		psig	As Found	OOT		
1		0	1	<input type="checkbox"/>	-2	2
2		250	248	<input type="checkbox"/>	248	252
3		500	498	<input type="checkbox"/>	498	502
4		750	748	<input type="checkbox"/>	748	752
5		1000	998	<input type="checkbox"/>	998	1002
6				<input type="checkbox"/>		

Communicator: HART Totalizer As Found NA Totalizer As Left NA Gal

#	Manufacturer	Model	Serial / ID Number	Calibration Date	Calibration Due
1	Fluke	700RG31 10Kpsi	SHOP-2526	3/20/2023	3/31/2024
2	Fluke	754	JW-2395	10/27/2022	10/31/2023
3	Extech	RH300(ambient)	CMC-1772	1/11/2021	1/11/2026

Comments:

Deficiencies:

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**UIS SCADA**  
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 734-424-1200

CUSTOMER Republic Services CERTIFICATE # REPS238555-1, 5  
 Address 28470 Citrin Drive; Romulus MI US 48174 JOB # REPS238555-1  
 USER Republic Services; 28470 Citrin Drive; Romulus MI US 48174 PAGE 5  
 OWNER REPRESENTATIVE John Frost TELEPHONE 734-946-1000  
 Service Date: 7/14/2023 Temp: 83 °F Humidity: 51 %RH  
 Equip Location: Plant Sub/Parent: Well 1 Position/Child: Well Pressure Primary

**NAMEPLATE**

Item Tested Pressure Transmitter  
 Manufacturer Yokogawa Model Number EJA53  
 Serial Number 91V926590-938 Tag Number PIT3938  
 Operating Range cal 0-1000 psig (Meter Span 0-7200 psi) Procedure/Method Fluke 754:75x\_umeng0000 rev Jul 2011

As Found - Within Spec		As Left - Within Spec						
INPUT psig		OUTPUT		mA/ PSIG				
Line	%	Applied	As Found	OOT	As Left	OOT	Lo Spec	Hi Spec
1		0	4.00	<input type="checkbox"/>	4.00	<input type="checkbox"/>	-2	2
2		250	4.55	<input type="checkbox"/>	4.55	<input type="checkbox"/>	248	252
3		500	5.11	<input type="checkbox"/>	5.11	<input type="checkbox"/>	498	502
4		750	5.66	<input type="checkbox"/>	5.66	<input type="checkbox"/>	748	752
5		1000	6.22	<input type="checkbox"/>	6.22	<input type="checkbox"/>	998	1002
6				<input type="checkbox"/>		<input type="checkbox"/>		

Communicator: HART Totalizer As Found NA Totalizer As Left NA Gal

#	Manufacturer	Model	Serial / ID Number	Calibration Date	Calibration Due
1	Fluke	700RG31 10Kpsi	SHOP-2526	3/20/2023	3/31/2024
2	Fluke	754	JW-2395	10/27/2022	10/31/2023
3	Exttech	RH300(ambient)	CMC-1772	1/11/2021	1/11/2026

Comments:

Deficiencies:

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**UIS SCADA**  
 2290 Bishop Circle E.  
 Dexter, MI 48130  
 734-424-1200

CUSTOMER Republic Services CERTIFICATE # REPS238555-1, 6  
 Address 28470 Citrin Drive; Romulus MI US 48174 JOB # REPS238555-1  
 USER Republic Services; 28470 Citrin Drive; Romulus MI US 48174 PAGE 6  
 OWNER REPRESENTATIVE John Frost TELEPHONE 734-946-1000  
 Service Date: 7/14/2023 Temp: 83 °F Humidity: 51 %RH  
 Equip Location: Plant Sub/Parent: Well 2 Position/Child: Annulus Pressure Primary

**NAMEPLATE**

Item Tested Pressure Transmitter  
 Manufacturer Yokogaw Model Number EJA530E-JDS7N-012EL/FU1/D1/JH05  
 Serial Number 91V927606 Tag Number PIT3938  
 Operating Range cal 0-1000 psig Procedure/Method Fluke 754:75x\_umeng0000 rev Jul 2011

As Found - Within Spec		As Left - Within Spec						
INPUT	psig	OUTPUT	mA / psig					
Line	%	Applied	As Found	OOT	As Left	OOT	Lo Spec	Hi Spec
1		0	3.99	<input type="checkbox"/>	3.99	<input type="checkbox"/>	-2	+2
2		250	4.55	<input type="checkbox"/>	4.55	<input type="checkbox"/>	248	252
3		500	5.10	<input type="checkbox"/>	5.10	<input type="checkbox"/>	498	502
4		750	5.66	<input type="checkbox"/>	5.66	<input type="checkbox"/>	748	752
5		1000	6.22	<input type="checkbox"/>	6.22	<input type="checkbox"/>	998	1002
6		Hart Address	4	<input type="checkbox"/>	4	<input type="checkbox"/>		
7				<input type="checkbox"/>		<input type="checkbox"/>		

Communicator:	Hart-OEM Specific	Totalizer As Found	NA	Totalizer As Left	NA	Gal
#	Manufacturer	Model	Serial / ID Number	Calibration Date	Calibration Due	
1	Fluke	700RG31 10Kpsi	SHOP-2526	3/20/2023	3/31/2024	
2	Fluke	754	JW-2395	10/27/2022	10/31/2023	
3	Extech	RH300(ambient)	CMC-1772	1/11/2021	1/11/2026	

**Comments:**  
 no mA output; unit comm with Hart to PLC

**Deficiencies:**

Traceability at UIS, Inc. is achieved through an unbroken chain of measurements with known uncertainties, to the International Systems of Units (SI) thru NIST or another Metrology Institute. The results contained within relate only to the item(s) calibrated. Pass/Fail or In/Out of tolerance statements are the opinions of UIS, Inc., decisions are based on data from measurements made, procedure utilized, professional experience. It is the responsibility of the user of this equipment to determine if the results identified meet specific requirements for accuracy and its intended use. Due dates appearing on the certificate of calibration and label are determined by client for administrative purposes without the written approval of UIS, Inc., and do not imply continued conformance to specifications. The Confidence Factor is K=2 approx. 95% Confidence Level. All Certificates are page 1 of 1 unless otherwise specified. Page numbers at the top refer to the overall Job. This certificate shall not be reproduced except in full, without the written approval of UIS, Inc. Decision Rule 1: Measurement Uncertainty IS NOT taken into account for determining PASS or FAIL.



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 2290 Bishop Circle E.  
 Dexter, MI 48130  
 734-424-1200

CUSTOMER Republic Services CERTIFICATE # REPS238555-1, 7  
 Address 28470 Citrin Drive; Romulus MI US 48174 JOB # REPS238555-1  
 USER Republic Services; 28470 Citrin Drive; Romulus MI US 48174 PAGE 7  
 OWNER REPRESENTATIVE John Frost TELEPHONE 734-946-1000  
 Service Date: 7/14/2023 Temp: 83 °F Humidity: 51 %RH  
 Equip Location: Plant Sub/Parent: Well 2 Position/Child: Annulus Pressure SEC

**NAMEPLATE**

Item Tested Pressure Transmitter  
 Manufacturer Yokogawa Model Number EJA530E-JDS7N-012EL/FU1/D1/JH05  
 Serial Number 91V926611 Tag Number PIT  
 Operating Range cal 0-1000 psig Procedure/Method Fluke 754:75x\_umeng0000 rev Jul 2011

As Found - Within Spec		As Left - Within Spec						
INPUT psig		OUTPUT		psig				
Line	%	Applied	As Found	OOT	As Left	OOT	Lo Spec	Hi Spec
1		0	1	<input type="checkbox"/>	1	<input type="checkbox"/>	-2	+2
2		250	249	<input type="checkbox"/>	250	<input type="checkbox"/>	248	252
3		500	499	<input type="checkbox"/>	500	<input type="checkbox"/>	498	502
4		750	748	<input type="checkbox"/>	750	<input type="checkbox"/>	748	752
5		1000	998	<input type="checkbox"/>	1000	<input type="checkbox"/>	998	1002
6		Hart Address	2	<input type="checkbox"/>	2	<input type="checkbox"/>		
7				<input type="checkbox"/>		<input type="checkbox"/>		

Communicator:	Hart-OEM Specific	Totalizer As Found	NA	Totalizer As Left	NA	Gal
#	Manufacturer	Model	Serial / ID Number	Calibration Date	Calibration Due	
1	Fluke	700RG31 10Kpsi	SHOP-2526	3/20/2023	3/31/2024	
2	Fluke	754	JW-2395	10/27/2022	10/31/2023	
3	Extech	RH300(ambient)	CMC-1772	1/11/2021	1/11/2026	

**Comments:**  
 no mA output; unit comm with Hart

**Deficiencies:**

Traceability at UIS, Inc. is achieved through an unbroken chain of measurements with known uncertainties, to the International Systems of Units (SI) thru NIST or another Metrology Institute. The results contained within relate only to the item(s) calibrated. Pass/Fail or In/Out of tolerance statements are the options of UIS, Inc., decisions are based on data from measurements made, procedure utilized, professional experience. It is the responsibility of the user of this equipment to determine if the results identified meet specific requirements for accuracy and its intended use. Due dates appearing on the certificate of calibration and label are determined by client for administrative purposes without the written approval of UIS, Inc., and do not imply continued conformance to specifications. The Confidence Factor is K=2 approx. 95% Confidence Level. All Certificates are page 1 of 1 unless otherwise specified. Page numbers at the top refer to the overall Job. This certificate shall not be reproduced except in full, without the written approval of UIS, Inc. Decision Rule 1: Measurement Uncertainty IS NOT taken into account for determining PASS or FAIL.



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**UIS SCADA**  
 2290 Bishop Circle E.  
 Dexter, MI 48130  
 734-424-1200

CUSTOMER Republic Services CERTIFICATE # REPS238555-1, 8  
 Address 28470 Citrin Drive; Romulus MI US 48174 JOB # REPS238555-1  
 USER Republic Services; 28470 Citrin Drive; Romulus MI US 48174 PAGE 8  
 OWNER REPRESENTATIVE John Frost TELEPHONE 734-946-1000  
 Service Date: 7/14/2023 Temp: 80 °F Humidity: 55 %RH  
 Equip Location: Plant Sub/Parent: Well 2 Position/Child: Well Flow

**NAMEPLATE**

Item Tested Clamp-on Flowmeter  
 Manufacturer Keyence Model Number FD-R80  
 Serial Number G3822052? Tag Number FIT3832  
 Operating Range 0-400 GPM Procedure/Method Fluke 754:75x\_umeng0000 rev Jul 2011

Line	INPUT GPM		OUTPUT GPM			
	%	Applied	As Found	OOT	As Left	OOT
1	GPM	KEYENCE	30.4	<input type="checkbox"/>	30.4	<input type="checkbox"/>
2	GPM	GREYLINE TFFM 6.1	30.0	<input type="checkbox"/>	30.0	<input type="checkbox"/>
3				<input type="checkbox"/>		<input type="checkbox"/>

Communicator:	Totalizer As Found	NA	Totalizer As Left	NA	Gal
#	Manufacturer	Model	Serial / ID Number	Calibration Date	Calibration Due
1	Extech	RH300(ambient)	CMC-1772	1/11/2021	1/11/2026
2	Grey Line	TFFM	SHOP-2518	5/18/2023	5/31/2026

**Comments:**  
 3" hastalloy schedule 40, 3.50 OD, wall thickness 0.216", 0.46" spacing at 1 pass, use other for pipe material.

**Deficiencies:**

Traceability at UIS, Inc. is achieved through an unbroken chain of measurements with known uncertainties, to the International Systems of Units (SI) thru NIST or another Metrology Institute. The results contained within relate only to the item(s) calibrated. Pass/Fail or In/Out of tolerance statements are the opinions of UIS, Inc., decisions are based on data from measurements made, procedure utilized, professional experience. It is the responsibility of the user of this equipment to determine if the results identified meet specific requirements for accuracy and its intended use. Due dates appearing on the certificate of calibration and label are determined by client for administrative purposes without the written approval of UIS, Inc., and do not imply continued conformance to specifications. The Confidence Factor is K=2 approx. 95% Confidence Level. All Certificates are page 1 of 1 unless otherwise specified. Page numbers at the top refer to the overall Job. This certificate shall not be reproduced except in full, without the written approval of UIS, Inc. Decision Rule 1: Measurement Uncertainty IS NOT taken into account for determining PASS or FAIL.



# CALIBRATION CERTIFICATE

**UIS SCADA**  
 2290 Bishop Circle E.  
 Dexter, MI 48130  
 734-424-1200

CUSTOMER Republic Services CERTIFICATE # REPS238555-1, 9  
 Address 28470 Citrin Drive; Romulus MI US 48174 JOB # REPS238555-1  
 USER Republic Services; 28470 Citrin Drive; Romulus MI US 48174 PAGE 9  
 OWNER REPRESENTATIVE John Frost TELEPHONE 734-946-1000  
 Service Date: 7/14/2023 Temp: 83 °F Humidity: 52 %RH  
 Equip Location: Plant Sub/Parent: Well 2 Position/Child: Well Pressure Primary

**NAMEPLATE**

Item Tested Pressure Transmitter  
 Manufacturer Yokogaw Model Number EJA530E-JDS7N-012EL/FU1/D1/JH05  
 Serial Number 91W312670 Tag Number PIT3935  
 Operating Range cal 0-1000 psig Procedure/Method Fluke 754:75x\_umeng0000 rev Jul 2011

Line	%	INPUT	OUTPUT		Lo Spec	Hi Spec
		psig	As Found	OOT		
1		0	4.00	<input type="checkbox"/>	4.00	-2 +2
2		250	4.55	<input type="checkbox"/>	4.55	248 252
3		500	5.10	<input type="checkbox"/>	5.10	498 502
4		750	5.66	<input type="checkbox"/>	5.66	748 752
5		1000	6.22	<input type="checkbox"/>	6.22	998 1002
6		Hart Address	5	<input type="checkbox"/>	5	
7				<input type="checkbox"/>		

Communicator:	Totalizer As Found	NA	Totalizer As Left	NA	Gal
#	Manufacturer	Model	Serial / ID Number	Calibration Date	Calibration Due
1	Extech	RH300(ambient)	CMC-1772	1/11/2021	1/11/2026
2	Fluke	754	JW-2395	10/27/2022	10/31/2023
3	Fluke	700RG31 10Kpsi	SHOP-2526	3/20/2023	3/31/2024

**Comments:**  
 no mA output; unit comm with Hart to PLC

**Deficiencies:**  
 mA found in tolerance. Display is not correct but doesn't impact anything to their SCADA.

Traceability at UIS, Inc. is achieved through an unbroken chain of measurements with known uncertainties, to the International Systems of Units (SI) thru NIST or another Metrology Institute. The results contained within relate only to the item(s) calibrated. Pass/Fail or In/Out of tolerance statements are the opinions of UIS, Inc., decisions are based on data from measurements made, procedure utilized, professional experience. It is the responsibility of the user of this equipment to determine if the results identified meet specific requirements for accuracy and its intended use. Due dates appearing on the certificate of calibration and label are determined by client for administrative purposes without the written approval of UIS, Inc., and do not imply continued conformance to specifications. The Confidence Factor is K=2 approx. 95% Confidence Level. All Certificates are page 1 of 1 unless otherwise specified. Page numbers at the top refer to the overall Job. This certificate shall not be reproduced except in full, without the written approval of UIS, Inc. Decision Rule 1: Measurement Uncertainty IS NOT taken into account for determining PASS or FAIL.





**Comment Summary**  
**Job #REPS238555-1**



Customer Republic Services  
 User Republic Services

Plant: 28470 Citrin Drive Page: 1  
 Substation: Well 1 Date: 7/14/2023  
 Position: Annulus Pressure PRI  
 Equipment: ISO-81235D1-ISO CERT 2015

Comments: Hart Address 1  
switched with datalogger due to transmitter dropping out during operation serial 5613698

Plant: 28470 Citrin Drive Page: 2  
 Substation: Well 1 Date: 7/14/2023  
 Position: Annulus Pressure SEC  
 Equipment: ISO-81235D1-ISO CERT 2015

Comments: Hart Address 1  
switched with datalogger due to transmitter dropping out during operation serial 5613698

Plant: 28470 Citrin Drive Page: 3  
 Substation: Well 1 Date: 7/14/2023  
 Position: Well Flow  
 Equipment: ISO-81235D1-ISO CERT 2015

Comments: 3" hastalloy schedule 40, 3.50 OD, wall thickness 0.216", 0.46" spacing at 1 pass, use other for pipe material.

Plant: 28470 Citrin Drive Page: 6  
 Substation: Well 2 Date: 7/14/2023  
 Position: Annulus Pressure Primary  
 Equipment: ISO-81235D1-ISO CERT 2015 (4)

Comments: no mA output; unit comm with Hart to PLC

Plant: 28470 Citrin Drive Page: 7  
 Substation: Well 2 Date: 7/14/2023  
 Position: Annulus Pressure SEC  
 Equipment: ISO-81235D1-ISO CERT 2015 (5)

Comments: no mA output; unit comm with Hart





Comment Summary  
Job #REPS238555-1



Plant: <u>28470 Citrin Drive</u>	Page: <u>8</u>
Substation: <u>Well 2</u>	Date: <u>7/14/2023</u>
Position: <u>Well Flow</u>	
Equipment: <u>ISO-81235D1-ISO CERT 2015 (2)</u>	
Comments: <u>3" hastalloy schedule 40, 3.50 OD, wall thickness 0.216", 0.46" spacing at 1 pass, use other for pipe material.</u>	

Plant: <u>28470 Citrin Drive</u>	Page: <u>9</u>
Substation: <u>Well 2</u>	Date: <u>7/14/2023</u>
Position: <u>Well Pressure Primary</u>	
Equipment: <u>ISO-81235D1-ISO CERT 2015 (5)</u>	
Comments: <u>no mA output; unit comm with Hart to PLC</u>	

Plant: <u>28470 Citrin Drive</u>	Page: <u>10</u>
Substation: <u>Well 2</u>	Date: <u>7/14/2023</u>
Position: <u>Well Pressure SEC (logger)</u>	
Equipment: <u>ISO-81235D1-ISO CERT 2015 (6)</u>	
Comments: <u>no mA output; unit comm with Hart to PLC</u>	



**Deficiency Summary**  
**Job #REPS238555-1**



PAGE 1

Customer Republic Services

User Republic Services

Plant: 28470 Citrin Drive

Substation: Well 2

Position: Well Pressure Primary

Equipment: ISO-81235D1-ISO CERT 2015 (5)

Page: 9

Date: 7/14/2023

Deficiencies: mA found in tolerance. Display is not correct but doesn't impact anything to their SCADA.

Tested By: \_\_\_\_\_ Tested By: \_\_\_\_\_

REVISED 2/26/2013

**Cal-scan Services Ltd.**

4185-83 Street

Edmonton, Alberta, Canada

T6E 5P5

Phone: (780) 944-1377 Fax: (780) 944-1406

**Calibration Certificate**

Model : Badger Low Temp

Range : 6,000.00 psi

Serial Number : 91885

Last Cal. Date : 07-March-2023

Specifications

Calibration Pressure Range: 0.00 6,000.00 psi

Calibration Temperature Range: 0.00 150.00 °C

Pressure: Accuracy ± 1.4400 psi (0.024 %FS)

Resolution ± 0.0180 psi (0.0003 %FS)

Temperature: Accuracy ± 0.40 °C

Resolution ± 0.001 °C

Calibration Summary

Pressure: Accuracy (maximum error) 0.43 psi

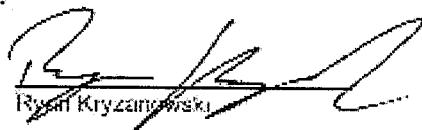
Temperature: Accuracy (maximum error) 0.14 °C

Traceability Statement

All working standards are traceable to national or internationally recognized standards.

Calibrated with Cal-Scan DWG # 2

Calibrated by:

  
Ryan Kryzanowski

**Cal-scan Services Ltd.**  
4188-95 Street  
Edmonton, Alberta, Canada  
T5E 5P5  
Phone: (780) 944-1377 Fax: (780) 944-1406

## Calibration Certificate

Model : Badger Low Temp Range : 6,000.00 psi  
Serial Number : 91908 Last Cal. Date : 26-October-2022

### Specifications

Calibration Pressure Range:	0.00	6,000.00	psi
Calibration Temperature Range:	0.00	150.00	°C
Pressure: Accuracy	±	1.4400	psi (0.024 %FS)
Resolution	±	0.0180	psi (0.0003 %FS)
Temperature: Accuracy	±	0.40	°C
Resolution	±	0.001	°C

### Calibration Summary

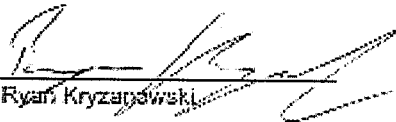
Pressure: Accuracy (maximum error)	0.63	psi
Temperature: Accuracy (maximum error)	0.18	°C

### Traceability Statement

All working standards are traceable to national or internationally recognized standards.

Calibrated with Cal-Scan DWG # 6

Calibrated by:

  
Ryan Kryzajewski

## **ATTACHMENT B**





### Site Training Roster

Location # : 6440 Date: April 2023

Trainers Name: John Frost

Training Topic Filter Press SOP DW002

**Acknowledgement: I have received training on the Filter Press SOP, DW002, on this date. I have had the opportunity to ask questions and receive answers on the content of the training presented by the Company. I understand the training and agree to abide by the conditions presented in SOP DW002**

Print Name	Signature	Date
Alderman, Michael		4-25-23
Baker, Diondre		4-25-23
Beier, Marvin		04/26-2023
Escobar, Nicolas		4-25-23
Forman, James		4-25-23
Garrett, Todd		4-26-23
Mullins, Dalton		4-25-23
Warlix, Anthony		



**Sign-In Sheet**

**Course:** Respiratory protection training & safety meeting

**Date:** 01/21/23

<u>Signature</u>	<u>Printed Name</u>	<u>Department</u>
1. <i>[Signature]</i>	Michael Alderman	ops deepwell
2. <i>Nicolas Escobar</i>	Nicolas Escobar no credit	ops deepwell
3. <i>[Signature]</i>	Tabatha Peebles	EHS
4. <i>[Signature]</i>	Diondre Baker	
5. <i>[Signature]</i>	Dallon Mullins	
6. <i>[Signature]</i>	Anthony Wardle	
7. <i>[Signature]</i>	John Harrell	ops deepwell
8. <i>[Signature]</i>	James D. Hawkins	Lab
9. <i>[Signature]</i>	Casey D. Parks	Deep Well
10. <i>[Signature]</i>	Vern Harmon	DEEPWELL
11. <i>[Signature]</i>	Boyang Wang	Admin
12.		
13.		
14.		
15.		
16.		
17.		
18.		
19.		
20.		

TOTAL HRS TRAINED = Employees X Hours Trained = 1

Trainer Signature: *[Signature]*

Date: 01/21/23

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Sign-In Sheet

Course: Hazwoper #6 LOTO, Absolute + Standards Awareness/Affected Employee training

Date: 10/05/23

<u>Signature</u>	<u>Printed Name</u>	<u>Department</u>
1. <i>[Signature]</i>	Dalton Mullins	
2. <i>[Signature]</i>	Anthony Warlop	
3. <i>[Signature]</i>	VERN HUTTON	
4. <i>[Signature]</i>	Carey Parrott	
5. <i>[Signature]</i>	Jamels Franklin	
6. <i>[Signature]</i>	Cicero Chandler	
7. <i>[Signature]</i>	Diondre Baker	
8. <i>[Signature]</i>	Boyang Wang	Admin.
9. <i>[Signature]</i>	Michael Alderman	
10. <i>[Signature]</i>	John Heppell	
11.		
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16.		
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19.		
20.		

TOTAL HRS TRAINED = Employees X Hours Trained = 1

Trainer Signature: *[Signature]*

Date: 10/05/23

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US ecology Sign-In Sheet

Course Name: HF training, STOP work authority, OSHA Rights  
Date: 11/9/23

	<u>Signature</u>	<u>Printed Name</u>	<u>Department</u>
1.		James Hawkins	
2.		SADIA ALSAIDI	COMPLIANCE
3.		Carey D. Parks III	Deep Well
4.		John Harrell	Deep Well
5.		NICOLAS ESCOBAR	DEEP well
6.		Anthony Warlix	
7.		JAMES FORMAN	DEEP WELL
8.		Diandra Baker	Deepwell
9.		Gail Detweiler	H&S
10.		Dalton Mullins	Deep Well
11.		Uwan Hoffman	Deepwell
12.		Licensa Chandler	Deepwell
13.			
14.			
15.			
16.			
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19.			
20.			

TOTAL HRS TRAINED = Employees X Hours Trained = \_\_\_\_\_

Trainer Signature:

Date: 11/09/23

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Sign-In Sheet

Course: Incident/Accident Reporting  
Fall Protection - Full Program

Date: 11/30/23

	<u>Signature</u>	<u>Printed Name</u>	<u>Department</u>
1.	<i>[Signature]</i>	James Hawkins	Laboratory
2.	<i>[Signature]</i>	Cicero Chandler	Deepwell
3.	<i>[Signature]</i>	Andrew Monroe	Deepwell
4.	<i>[Signature]</i>	JAMES FORMAN	DEEP WELL OP.
5.	<i>[Signature]</i>	UEN HOFON	DEEPWELL
6.	<i>[Signature]</i>	Michael Alderman	Deepwell
7.	<i>[Signature]</i>	Nicolas Escobar	Deepwell
8.	<i>[Signature]</i>	Dalton Mullins	Deepwell
9.	<i>[Signature]</i>	SADIA ALSAIDI	DEEPWELL
10.			
11.			
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15.			
16.			
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20.			

TOTAL HRS TRAINED = Employees X Hours Trained = 1

Trainer Signature: *[Signature]*

Date: 11/30/23

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Site Safety Training Roster

Location # : 6440 Date: November 2023

Trainers Name: Sadiq Alsaidi

Training Topic (s) Daily Inspection Training

**Acknowledgement: I have received training in the above topic on this date. I have had the opportunity to ask questions and receive answers on the content of the training presented by the Company. I understand the training and agree to abide by the standards presented therein.**

Print Name	Signature	Date viewed
Baker, Diondre	<i>Diondre Baker</i>	11-22-23
Escobar, Nicolas	<i>Nicolas Escobar</i>	10-20-23
Alsaidi, Sadiq	<i>Sadiq Alsaidi</i>	11-20-23
Mullins, Dalton	<i>Dalton Mullins</i>	11-20-23
Harrell, John	<i>John Harrell</i>	11-20-23
Chandler, Cicero	<i>Cicero Chandler</i>	11-20-23
Holton, Vern	<i>Vern Holton</i>	11-20-23
Foraman, James	<i>James Foraman</i>	11-20-23
Parks, Carey <i>Carey Parks</i>	<i>Carey Parks</i>	11-20-23
McBride, Andrew	<i>Andrew McBride</i>	11/20/23
Alderman, Mike	<i>Mike Alderman</i>	11-20-23
Warlix, Anthony	<i>Anthony Warlix</i>	11-20-23






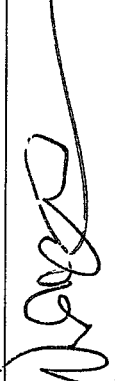

**Documentation provided**

Instruction on properly completing Form A-5 Daily Inspection Report

**ATTENDANCE SIGN-IN SHEET**



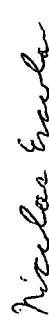
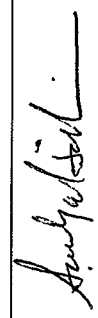
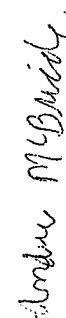

RIES Operations, HAZWOPER, and RCRA Training – December 14, 2023

198001

Name	Job Title	Phone No.	Email	Signature
James Forman (Annual)	Operator	734-946-1000	JForman@republicservices.com	
John Frost (Annual)	Regional Manager	734-946-1000	JFrost@republicservices.com	
John Harrell (Initial)	Operator	734-946-1000	JHarrell@republicservices.com	
James Hawkins (Annual)	Lab Chemist	734-946-1000	JHawkins2@republicservices.com	
Dalton Mullins (Annual)	Operator	734-946-1000	DMullins@republicservices.com	
Vern Holton (Initial) <i>VAH</i>	Operator	734-946-1000	VHolton@republicservices.com	
Cicero Chandler (Initial) <i>AC</i>	Operator	734-946-1000	CCandler@republicservices.com	

**ATTENDANCE SIGN-IN SHEET**

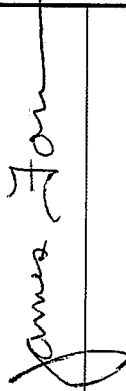
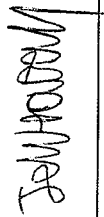



RIES Operations, HAZWOPER, and RCRA Training – December 14, 2023

Name	Job Title	Phone No.	Email	Signature
Anthony Warlix V (Annual)	Operator	734-946-1000	AWarlix@republicservices.com	
Mike Alderman (Annual)	Plant Supervisor	734-946-1000	MAlderman@republicservices.com	
Nicolas Escobar (Annual)	Operator	734-946-1000	NEscobar@republicservices.com	
Sadiq Alsaidi (Annual)	Environmental Regulatory Specialist	734-946-1000	SAlsaidi@republicservices.com	
Andrew McBride (Annual) <i>Intrast</i>	Engineer Training	734-946-1000	AMcbride2@republicservices.com	
James Mackinnon (Annual) <i>Intrast</i>	Engineer Training	734-946-1000	JMackinnin@republicservices.com	

**ATTENDANCE SIGN-IN SHEET**



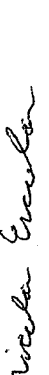

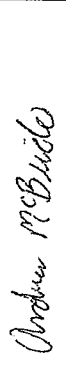
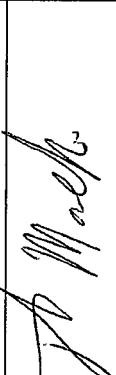
RIES Operations, HAZWOPER, and RCRA Training – December 15, 2023

198001

Name	Job Title	Phone No.	Email	Signature
James Forman (Annual)	Operator	734-946-1000	JForman@republicservices.com	
John Frost (Annual)	Regional Manager	734-946-1000	JFrost@republicservices.com	
John Harrell (Initial)	Operator	734-946-1000	JHarrell@republicservices.com	
James Hawkins (Annual)	Lab Chemist	734-946-1000	JHawkins2@republicservices.com	
Dalton Mullins (Annual)	Operator	734-946-1000	DMullins@republicservices.com	
Vern Holton (Initial) <i>Annual of</i>	Operator	734-946-1000	VHolton@republicservices.com	
Cicero Chandler (Initial) <i>Annual of</i> <i>RCRA</i>	Operator	734-946-1000	CChandler@republicservices.com	

**ATTENDANCE SIGN-IN SHEET**

RIES Operations, HAZWOPER, and RCRA Training – December 15, 2023

Name	Job Title	Phone No.	Email	Signature
Anthony Warlix (Annual)	Operator	734-946-1000	AWarlix@republicservices.com	
Mike Alderman (Annual)	Plant Supervisor	734-946-1000	MAlderman@republicservices.com	
Nicolas Escobar (Annual)	Operator	734-946-1000	NEscobar@republicservices.com	
Sadiq Alsaidi (Annual)	Environmental Regulatory Specialist	734-946-1000	SAlisaidi@republicservices.com	
Andrew McBride (Annual) <i>initial recp</i>	Engineer Training	734-946-1000	AMcbride2@republicservices.com	
James Mackinnon (Annual) <i>JM, JM recp</i>	Engineer Training	734-946-1000	JMackinnin@republicservices.com	



**INTEGRATED ENVIRONMENTAL, INC.**

***Certificate of Achievement***

This Is to Certify That:

**Mike Alderman**

Has Completed the Following Training:

OSHA 29 CFR Part 1910.120

Hazardous Waste Operations and Emergency Response

8-Hour Refresher Training

Republic Industrial and Energy Solutions, LLC

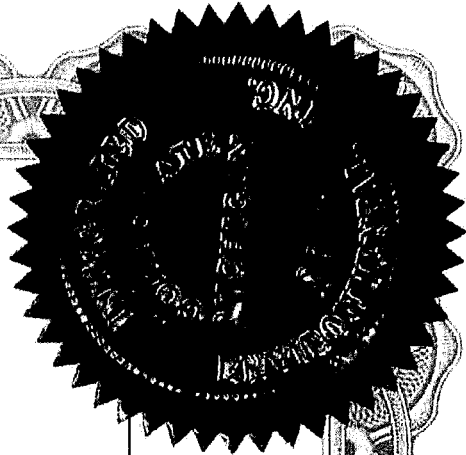
December 14 and 15, 2023



Rick P. Harding, Ph.D.

December 19, 2023

Date



**INTEGRATED ENVIRONMENTAL, INC.**  
*Certificate of Achievement*

This Is to Certify That:

**Sadiq Alsaidi**

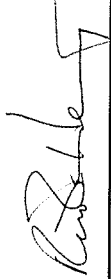
Has Completed the Following Training:

OSHA 29 CFR Part 1910.120

Hazardous Waste Operations and Emergency Response  
8-Hour Refresher Training

Republic Industrial and Energy Solutions, LLC

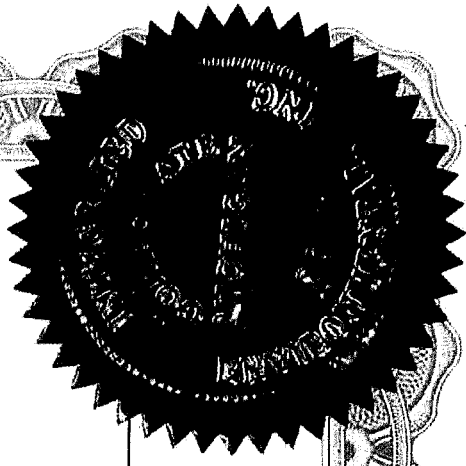
December 14 and 15, 2023



Rick P. Harding, Ph.D.

December 19, 2023

Date



**INTEGRATED ENVIRONMENTAL, INC.**

***Certificate of Achievement***

This Is to Certify That:

**Cicero Chandler**

Has Completed the Following Training:

OSHA 29 CFR Part 1910.120

Hazardous Waste Operations and Emergency Response

8-Hour Refresher Training

Republic Industrial and Energy Solutions, LLC

December 14 and 15, 2023



Rick P. Harding, Ph.D.

December 19, 2023

Date



**INTEGRATED ENVIRONMENTAL, INC.**

***Certificate of Achievement***

This Is to Certify That:

**Nicholas Escobar**

Has Completed the Following Training:

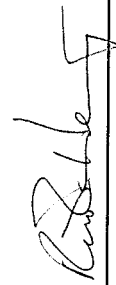
OSHA 29 CFR Part 1910.120

Hazardous Waste Operations and Emergency Response

8-Hour Refresher Training

Republic Industrial and Energy Solutions, LLC

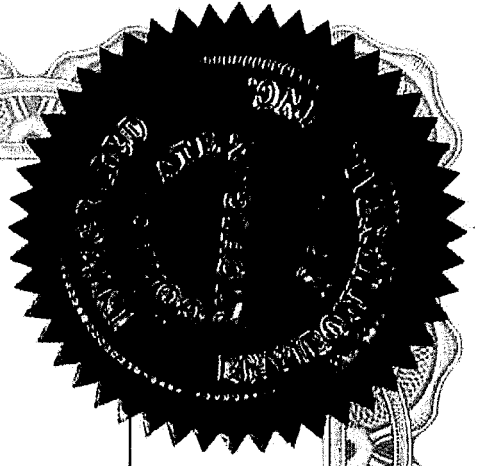
December 14 and 15, 2023



Rick P. Harding, Ph.D.

December 19, 2023

Date



**INTEGRATED ENVIRONMENTAL, INC.**  
*Certificate of Achievement*

This Is to Certify That:

**James Forman**

Has Completed the Following Training:

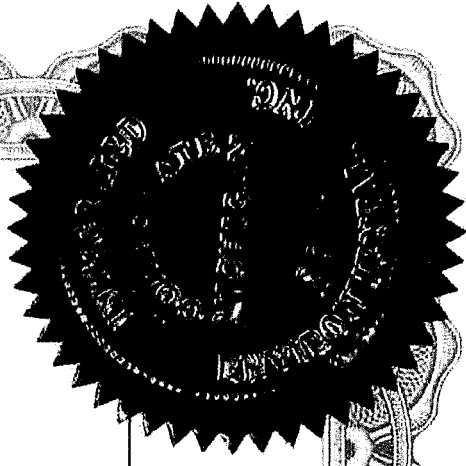
OSHA 29 CFR Part 1910.120  
Hazardous Waste Operations and Emergency Response  
8-Hour Refresher Training  
Republic Industrial and Energy Solutions, LLC  
December 14 and 15, 2023



Rick P. Harding, Ph.D.

December 19, 2023

Date



**INTEGRATED ENVIRONMENTAL, INC.**

***Certificate of Achievement***

This Is to Certify That:

**John Harrell**

Has Completed the Following Training:


OSHA 29 CFR Part 1910.120

Hazardous Waste Operations and Emergency Response

8-Hour Refresher Training

Republic Industrial and Energy Solutions, LLC

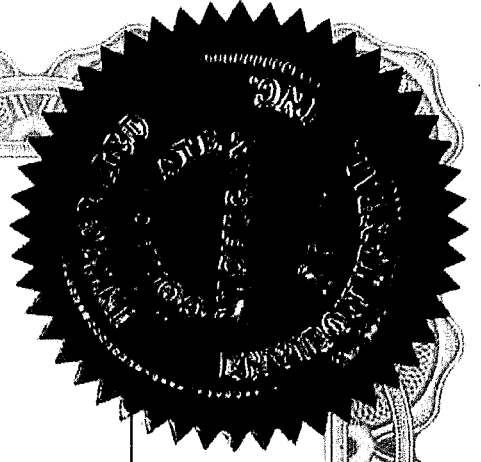
December 14 and 15, 2023



Rick P. Harding, Ph.D.

December 19, 2023

Date



**INTEGRATED ENVIRONMENTAL, INC.**  
*Certificate of Achievement*

This Is to Certify That:

**Vern Holton**

Has Completed the Following Training:

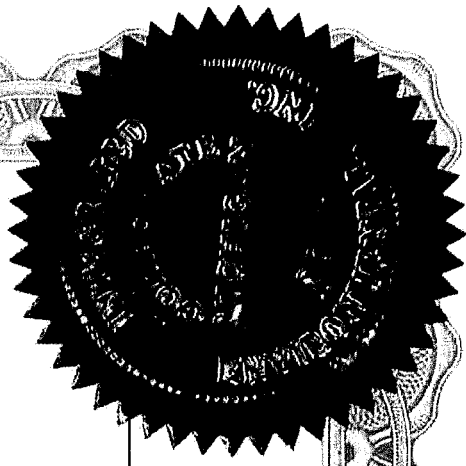
OSHA 29 CFR Part 1910.120  
Hazardous Waste Operations and Emergency Response  
8-Hour Refresher Training  
Republic Industrial and Energy Solutions, LLC  
December 14 and 15, 2023



Rick P. Harding, Ph.D.

December 19, 2023

Date



**INTEGRATED ENVIRONMENTAL, INC.**

***Certificate of Achievement***

This Is to Certify That:

**James Mackinnon**

Has Completed the Following Training:

OSHA 29 CFR Part 1910.120

Hazardous Waste Operations and Emergency Response

8-Hour Refresher Training

Republic Industrial and Energy Solutions, LLC

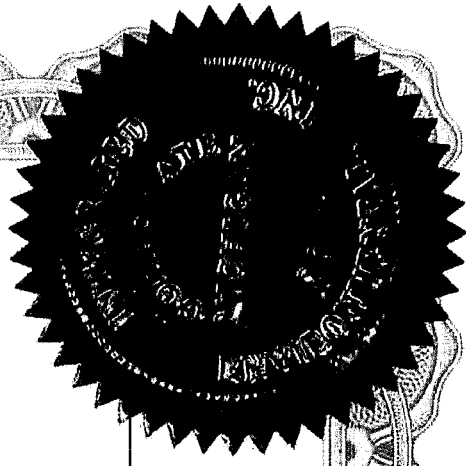
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**INTEGRATED ENVIRONMENTAL, INC.**

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This Is to Certify That:

**Andrew McBride**

Has Completed the Following Training:

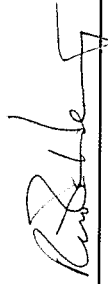
OSHA 29 CFR Part 1910.120

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Republic Industrial and Energy Solutions, LLC

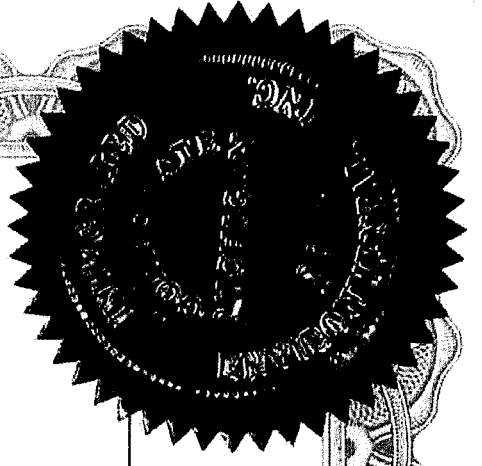
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This Is to Certify That:

**Dalton Mullins**

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Hazardous Waste Operations and Emergency Response

8-Hour Refresher Training

Republic Industrial and Energy Solutions, LLC

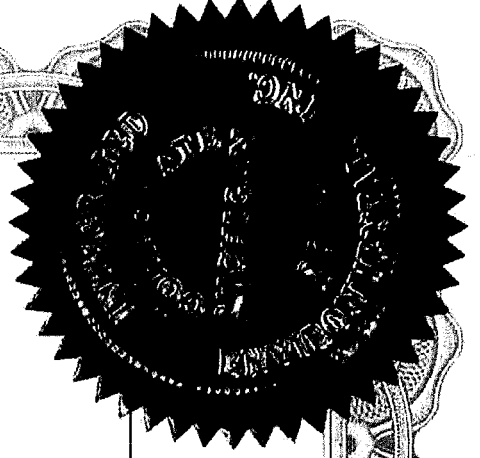
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**Anthony Warlix**

Has Completed the Following Training:

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8-Hour Refresher Training

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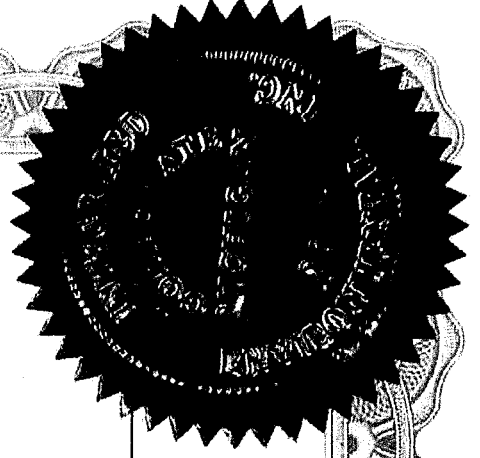
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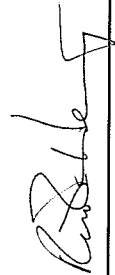
This Is to Certify That:

**Mike Alderman**

Has Completed the Following Training:

Republic Industrial and Energy Solutions, LLC Training Modules  
as Presented in Form EPQ 5111, Attachment A10 Personnel Training of their  
Operating License, Effective Date September 19, 2023.

Republic Industrial and Energy Solutions, LLC  
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This Is to Certify That:

**Sadiq Alsaidi**

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This Is to Certify That:

**Cicero Chandler**

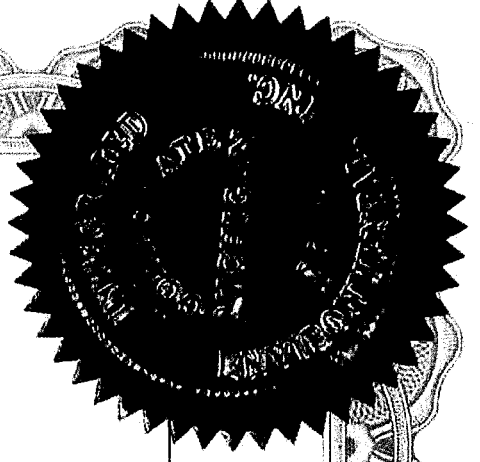
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**Nicholas Escobar**

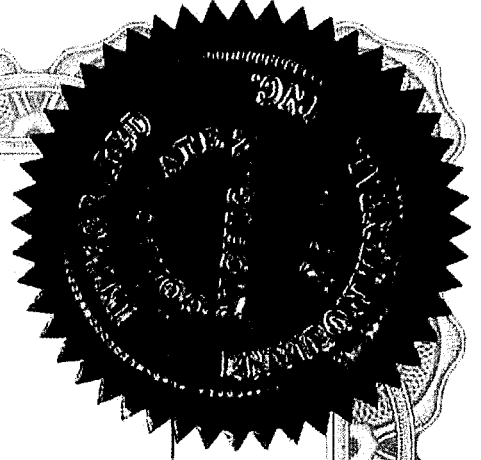
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**James Forman**

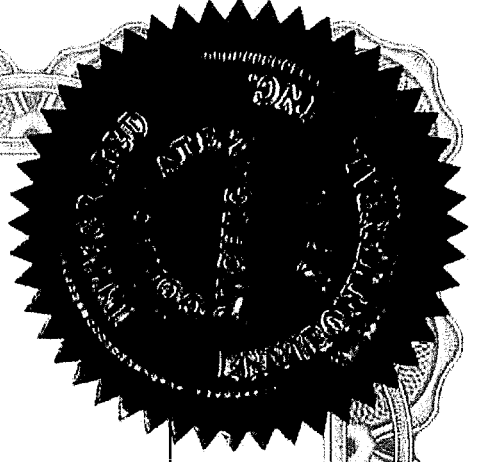
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This Is to Certify That:

**John Harrell**

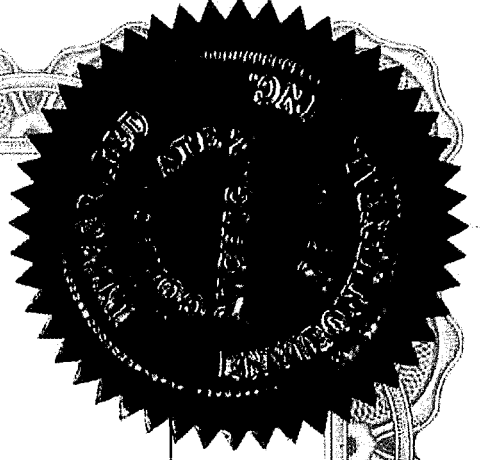
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This Is to Certify That:

**James Hawkins**

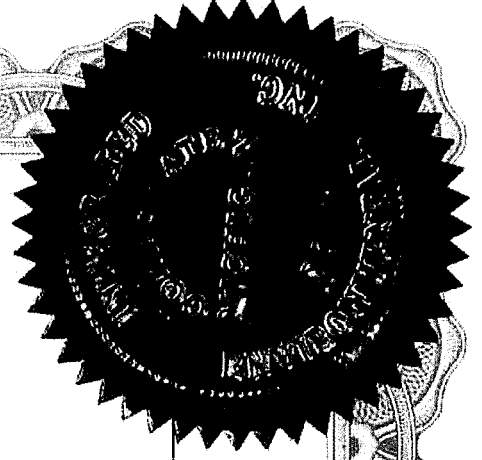
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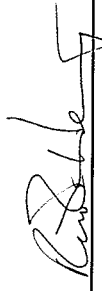
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**Vern Holton**

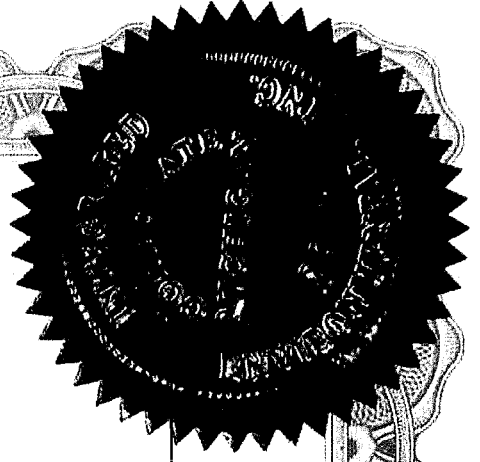
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This Is to Certify That:

**John Frost**

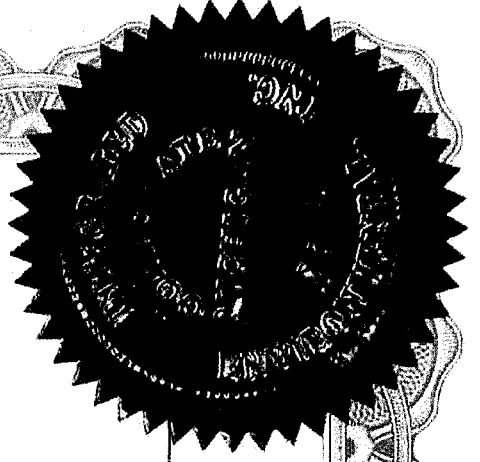
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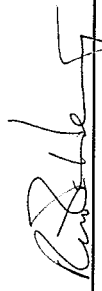
This Is to Certify That:

**James Mackinnon**

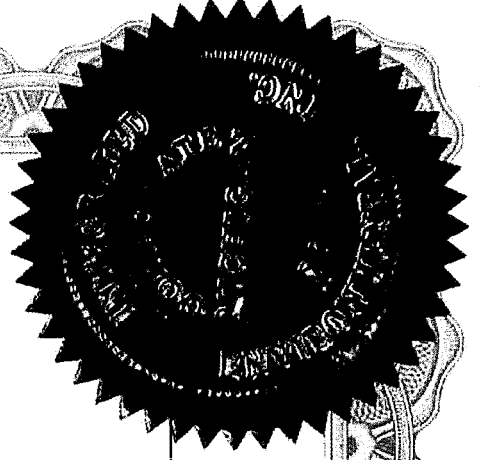
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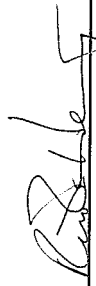
This Is to Certify That:

**Andrew McBride**

Has Completed the Following Training:

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**INTEGRATED ENVIRONMENTAL, INC.**  
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This Is to Certify That:

**Dalton Mullins**

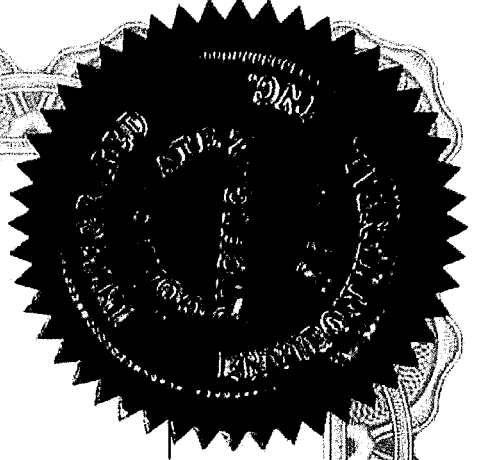
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**INTEGRATED ENVIRONMENTAL, INC.**  
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This Is to Certify That:

**Anthony Warlix**

Has Completed the Following Training:

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as Presented in Form EPQ 5111, Attachment A10 Personnel Training of their  
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**INTEGRATED ENVIRONMENTAL, INC.**  
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This Is to Certify That:

**Mike Alderman**

Has Completed the Following Training:

RCRA Compliance Annual Refresher Training  
Republic Industrial and Energy Solutions, LLC

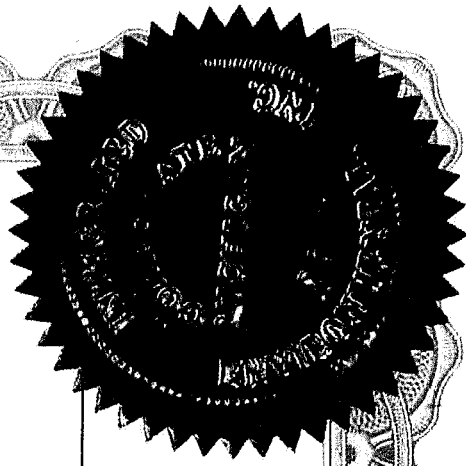
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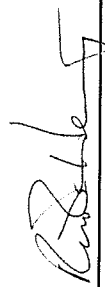
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**Sadiq Alsaidi**

Has Completed the Following Training:

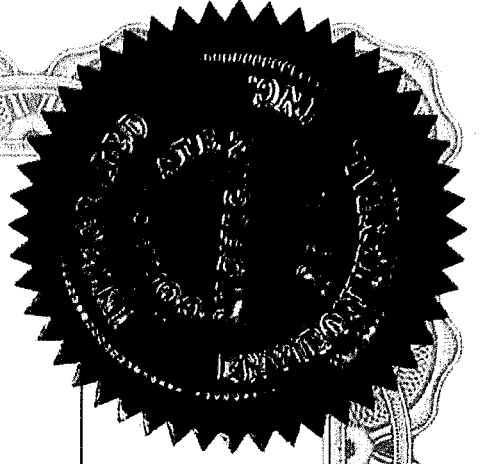
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**INTEGRATED ENVIRONMENTAL, INC.**

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This Is to Certify That:

**Cicero Chandler**

Has Completed the Following Training:

RCRA Compliance Annual Refresher Training  
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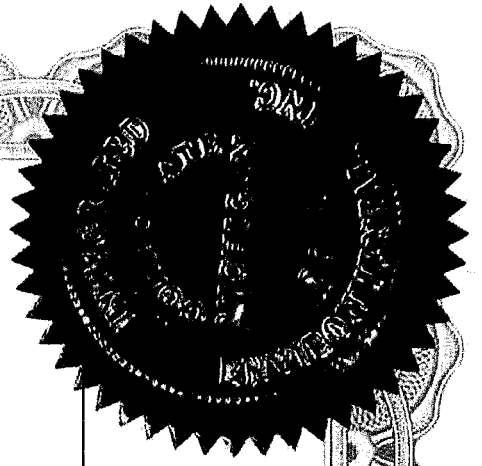
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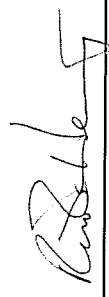
This Is to Certify That:

**Nicholas Escobar**

Has Completed the Following Training:

RCRA Compliance Annual Refresher Training  
Republic Industrial and Energy Solutions, LLC

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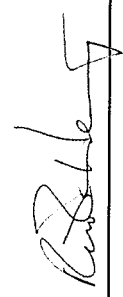
This Is to Certify That:

**James Forman**

Has Completed the Following Training:

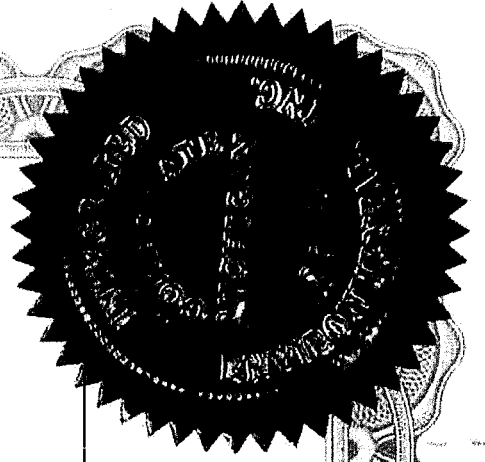
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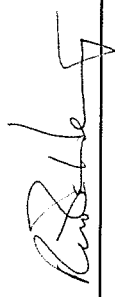
This Is to Certify That:

**John Frost**

Has Completed the Following Training:

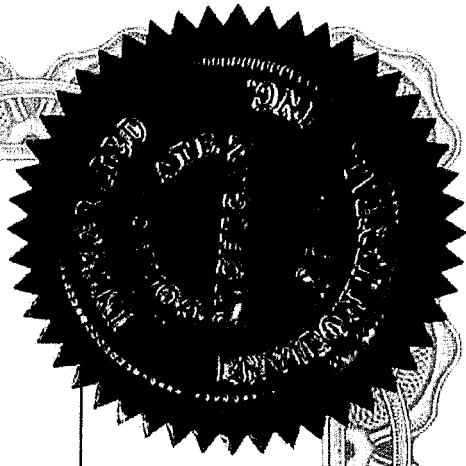
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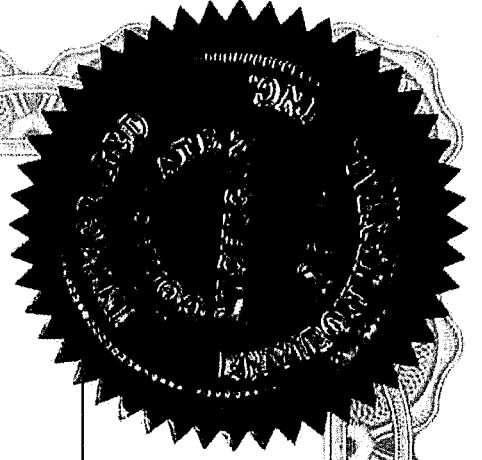
**John Harrell**

Has Completed the Following Training:

RCRA Compliance Initial Training  
Republic Industrial and Energy Solutions, LLC  
December 14, 2023

  
Rick P. Harding, Ph.D.

December 19, 2023  
Date



**INTEGRATED ENVIRONMENTAL, INC.**

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This Is to Certify That:

**James Hawkins**

Has Completed the Following Training:

RCRA Compliance Annual Refresher Training  
Republic Industrial and Energy Solutions, LLC

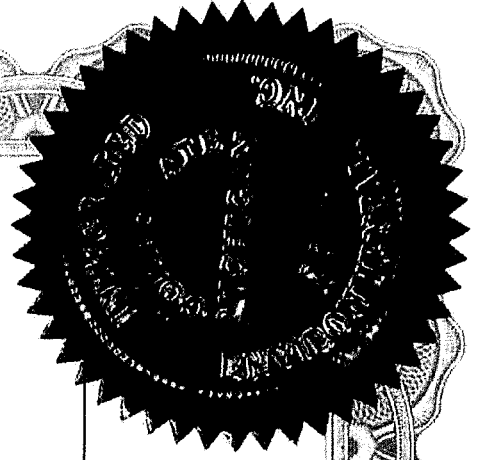
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**Vern Holton**

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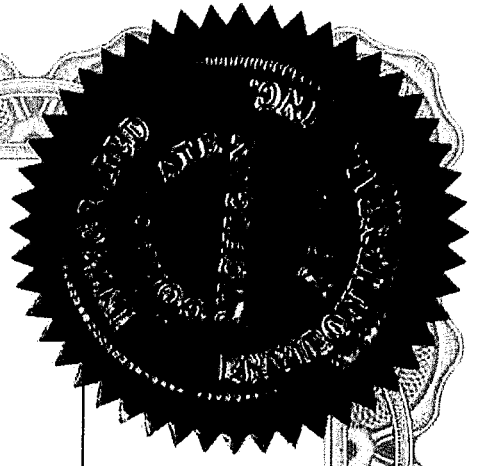
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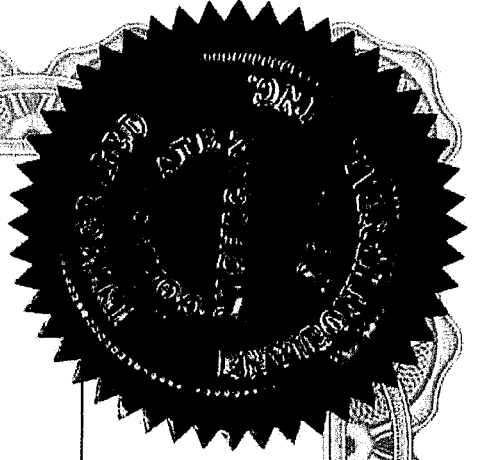
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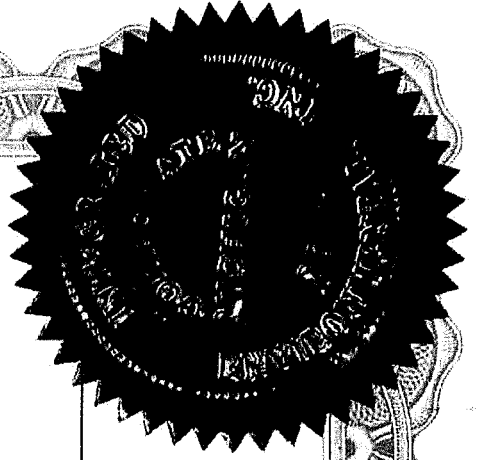
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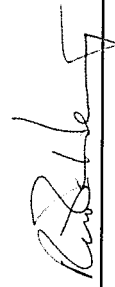
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