

2301 North Yellowood Avenue Broken Arrow, Oklahoma 74012 TEL: 918-957-1300 FAX: 918-957-1313 ee-associates.com

July 10, 2025

Ms. Hillary Young, P.E.
Chief Engineer
Land Protection Division
Oklahoma Department of Environmental Quality
P.O. Box 1677
Oklahoma City, Oklahoma 73101-1677

JUL 1 S 2025
LAND PROTECTION DIVERNA

DEPT. OF ENVIRON. QLTY

RE: Response to Technical Notice of Deficiency

Permit Renewal Application

Class I Non-Hazardous Industrial Waste Injection Well

Real Alloy Recycling, LLC Creek County, Oklahoma

UIC Permit No. IW-NH-3519019-R1

254988	CD	#c	c/o	

Dear Ms. Young:

On behalf of Real Alloy Recycling, LLC (Real Alloy), E&E Engineering and Associates, LLC (E&E) respectfully submits this response to the Technical Notice of Deficiency (NOD) issued by the Oklahoma Department of Environmental Quality (DEQ) on June 12, 2025 regarding the Permit Renewal Application (Application) for the Real Alloy Class I non-hazardous waste injection well permit dated November 4, 2024.

This response letter includes each NOD comment listed in italic text followed by the corresponding response in regular text. The attachments included with this letter are intended to supplement or replace information contained in the Application.

<u>Comment 1:</u> In accordance with 40 C.F.R. § 144.31 (e)(6), the applicant is required to list all other permits at the facility. The permit for the surface impoundment issued by the Water Quality Division has been renewed recently but is not listed in the Application. Please include the updated WQD permit in the listing in Section 10 of the Application.

<u>Response</u>: Section 10 of the Application has been revised to list the permit issued by the Water Quality Division for the surface impoundment. Please replace the existing page in the Application with the revised page attached to this letter.

<u>Comment 2:</u> In Section 5.5.1 of the revised Application, the description of injection fluid does not mention process wastewater from the plant; however, the administratively continued permit indicates non-hazardous wastewater from the facility is one of the waste types. Real Alloy's consulting engineer informed DEQ that the facility pumps cooling water from the plant to the surface impoundment where it is combined with the other waste types (i.e., ammonia and chloride contaminated storm water run-off, landfill leachate and landfill seepage) before being injected. Regarding this non-hazardous wastewater, please include it in

Ms. Hillary Young, P.E. July 10, 2025

Section 5.5.1, provide a description of the process with volumes produced, and submit a water quality analysis of the wastewater to DEQ.

Response: Section 5.5.1 of the Application has been revised to provide a description of the process with volumes produced. Please replace the existing page in the Application with the revised page attached to this letter. Recent water quality analysis of the non-hazardous wastewater and the overall injectate solution is also attached to this letter. Please add the analytical reports to Appendix F of the Application. Water quality analysis indicates that constituent concentrations detected in the non-hazardous wastewater are less than typical concentrations detected in the overall injectate.

For your review, one (1) original hard copy of all revised or supplementary pages are attached for incorporation into the Application. Additionally, one (1) electronic copy of the updated Application document is provided on a flash drive. The copy of the Application previously placed for public viewing at the Bartlett-Carnegie Sapulpa Public Library will also be updated to reflect revisions made by this response.

We appreciate your review of this submittal. If you should have any questions or require any further information, please do not hesitate to contact us 918-957-1300.

Respectfully,

E&E Engineering and Associates, LLC.

Christopher J. Greenlee, P.G.

Sr. Environmental Engineer/Geologist

Deren M. Ertugrul, P.E.

Vice President

Attachments

cc: Mr. Chuck Sudwischer, Real Alloy (via email)

Mr. Robert Wallace, Real Alloy (via email)

2024 PERMIT RENEWAL APPLICATION

REAL ALLOY RECYCLING, LLC CLASS I NON-HAZARDOUS INJECTION WELL SAPULPA, CREEK COUNTY, OKLAHOMA UIC PERMIT NO. IW-NH 3519019-R1

November 4, 2024 Revised February 5, 2025 Revised July 10, 2025 E&E Project No. 104-037

Prepared for: Real Alloy Recycling, LLC Sapulpa, Oklahoma

Prepared by:

E&E Engineering and Associates, LLC
Oklahoma Certificate of Authorization No. 7889
2301 North Yellowood Avenue | Broken Arrow, Oklahoma 74012
Phone: 918-957-1300 | Fax: 918-957-1313

5.5.1 DESCRIPTION OF INJECTION FLUID

The injection fluid consists of leachate and seepage generated from the on-site NHIW landfill, storm water run-off from the facility, and non-hazardous wastewater generated at the facility. The non-hazardous wastewater consists of cooling water which is generated when potable water is sprayed on ingot molds for the purpose of accelerating the cooling of the ingots after they have been filled with molten aluminum. It is estimated that the non-hazardous wastewater is generated at an average rate of 5,000 gallons per day.

The leachate, stormwater, and non-hazardous wastewater are conveyed by a single 24-inch HDPE pipe which begins at the southern end of the plant area and drains by gravity to the lined leachate collection pond. The injectate is conveyed from the leachate collection pond to the injection well for disposal.

The NHIW wastes associated with the landfill and overall facility were primarily characterized as having elevated chloride and ammonia concentrations. As expected, analysis of the injectate indicates the presence of the same parameters (chloride and ammonia). Recent chemical analysis reports of the non-hazardous wastewater and the injectate are included in **Appendix F**.

5.5.2 INJECTION FLUID VOLUME AND FLOW RATE

Based on recorded operational data from 2014 to 2023, the average and maximum daily injection rate, injection pressure, and volume of fluid injected over the preceding 10 years is presented in **Table 12** below. Based on this information, the average injection flow rate was 70.0 gpm while injecting a total of 63,338,186 gallons were injected over the previous 10-year period.

			<u> </u>		
Year	Annual Vol. Injected (gallons)	No. of Days Injected	Avg Daily Vol. When Injecting (gallons)	Avg. Inj. Press. (psi)	Avg. Flow Rate (gpm)
2014	3,355,980	43	78,046	385	76.9
2015	6,437,390	78	82,531	383	76.7
2016	5,429,580	69	78,690	361	76.5
2017	4,887,826	63	84,773	362	73.2
2018	4,455,945	59	75,525	361	70.3
2019	10,720,326	138	77,684	366	70.9
2020	7,029,748	81	86,787	378	71.8
2021	7,371,917	98	75,224	344	69.2
2022	7,226,146	101	71,546	264	58.6
2023	6,423,328	101	63,597	291	59.3
10-yr Avg.	6,333,819	83	78,865	349	70.0

Table 12: Daily and Maximum Injection Rates, Pressures and Volume

The total storage capacity of the leachate collection pond is approximately 4.2 million gallons. Annual stormwater run-off contributions have previously been estimated to range from 5 to 10 million gallons in an average year to 10 to 20 million gallons in peak years. **Table 13** shows the amount of fluid injected into the well since operation started in January 1990.

10.0 ATTACHMENT I – EXISTING EPA PERMITS

Real Alloy maintains the following permits issued by DEQ:

- 1) Permit from DEQ Land Protection Division to operate a NHIW Landfill under Permit No: 3519017.
- 2) Permit from DEQ Air Quality Division to operate / construct a Minor Source Air Pollution Control Facility under Permit No: 94-115-0
- 3) Authorization from DEQ Water Quality Division to discharge industrial stormwater under the Oklahoma Pollutant Discharge Elimination System (OPDES) Multi-Sector General Permit OKR05 under Authorization No: OKR053538.
- 4) Permit from DEQ Water Quality Division to treat and dispose of wastewater in one (1) total retention surface impoundment (T01) under Permit No. WD00-007 (Facility ID No. I-19001500).

Green Country Testing, Inc.
6825 E 38th Street
Tulsa, OK 74145
TEL: 918-828-9977 FAX: 918-828-7756
Website: www.greencountrytesting.com



June 19, 2025

Deren Ertugrul E&E Engineering and Associates 2301 N. Yellowood Ave. Broken Arrow, OK 74012 TEL: (918) 957-1300

FAX:

RE: Real Alloy Sapulpa, OK UIC

Dear Deren Ertugrul:

Green Country Testing, Inc. received 1 sample(s) on 6/12/2025 for the analyses presented in the following report.

In accordance with your instructions, Green Country Testing conducted the analysis shown on the following pages on samples submitted by your company. The results relate only to the items tested. Unless otherwise noted, all analysis were conducted using EPA approved methodologies. Test reports meet all the NELAC requirements. All relevant sampling information is on the attached chain-of-custody form. The initials SUB as the analyst designate any testing sub-contracted by Green Country Testing.

Certifications/Accreditation: OK - 7604; 9953 - AR - ADEQ - KS - E-10232

A scope of Certified/Accredited parameters is available upon request. If you have any questions regarding these tests results, please feel free to call.

Sincerely,

B

Brian Duzan Laboratory Director Order No.: 2506269

Website: www.greencountrytesting.com



Analytical Report

(continuous)

WO#: **2506269**Date Reported: **6/19/2025**

CLIENT: E&E Engineering and Associates Lab Order: 2506269

Project: Real Alloy Sapulpa, OK UIC

	2506269-001			(Collection Date:		
Client Sample ID:	Cooling Water				Matrix:	GROUN	IDWATER
Analyses		Result	RL	Qual	Units	DF	Date Analyzed
ALERIS WELLS CHLORIDE IN WATE	:R				4500CL-E, 20 ⁻	11	Analyst: BG
Chloride		69.3	5.00		mg/L	1	6/16/2025 9:49:00 AM
ALERIS WELLS AMMONIA AS N					\4500 NH3 H-2	01	Analyst: BG
NH3		0.220	0.100		mg/L	1	6/13/2025 11:54:00 AM
ALERIS WELLS NITRATE AS N IN W	ATER				\4500 NO3 F-2	01 ⁻	Analyst: BG
Nitrate as N		3.85	0.400		mg/L	1	6/13/2025 9:38:00 AM
ALERIS WELLS SULFATE IN WATER	2				4500SO4-E,20	11	Analyst: BG
SO4		14.7	5.00		mg/L	1	6/16/2025 1:00:00 PM
ALERIS WELLS METALS IN WATER	BY ICP, TOTAL				SW6010B	SW30	10A Analyst: KR
Aluminum		1.05	0.0500		mg/L	1	6/18/2025 8:03:24 PM
Cadmium		< 0.00100	0.00100		mg/L	1	6/18/2025 8:03:24 PM
Iron		0.649	0.0500		mg/L	1	6/18/2025 8:03:24 PM
Lead		< 0.00500	0.00500		mg/L	1	6/18/2025 8:03:24 PM
Magnesium		6.74	0.0500		mg/L	1	6/18/2025 8:03:24 PM
Nickel		< 0.0100	0.0100		mg/L	1	6/18/2025 8:03:24 PM
ALERIS WELLS SPECIFIC CONDUCT	ΓANCE				E120.1, 1982	2	Analyst: WH
Specific Conductivity		1,560	10.0		µmhos/cm@25C	10	6/19/2025 2:00:00 PM
ALERIS WELLS PH					4500H+B,201	1	Analyst: WH
рН		8.17	0.100	Н	pH Units	1	6/19/2025 3:00:00 PM
SPECIFIC GRAVITY	- N				ASTM-D1429)	Analyst: AC

Qualifiers: H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

RL Reporting Detection Limit

M Manual Integration used to determine area response

PL Permit Limit

W Sample container temperature is out of limit as specified at testcode

Website: www.greencountrytesting.com



Analytical Report

(continuous)

WO#: **2506269**

Date Reported: 6/19/2025

CLIENT: E&E Engineering and Associates Lab Order: 2506269

Project: Real Alloy Sapulpa, OK UIC

SPECIFIC GRAVITY - N ASTM-D1429 Analyst: AC

Specific Gravity 0.9969 0.01000 g/cc @ 4°C 1 6/13/2025 1:56:00 PM

TOTAL SUSPENDED SOLIDS A2540 D-2015 Analyst: EJA

Suspended Solids (Residue, Non- 16 5 mg/L 1 6/18/2025 9:52:00 AM

Filterable)

Qualifiers: H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

RL Reporting Detection Limit

M Manual Integration used to determine area response

PL Permit Limit

W Sample container temperature is out of limit as specified at testcode

Website: www.greencountrytesting.com



QC SUMMARY REPORT

WO#:

2506269

19-Jun-25

Client: E&E Engineering and Associates

Project: Real Alloy Sapul	pa, OK UIC		TestNo: 4500Cl-E, 2011
Sample ID: MB-R74780	SampType: MBLK	TestCode: CHLOR Units: mg/L	Prep Date: RunNo: 74780
Client ID: PBW	Batch ID: R74780	TestNo: 4500CI-E, 201	Analysis Date: 6/16/2025 SeqNo: 849030
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qua
Chloride	< 5.00	5.00	
Sample ID: LCS-R74780	SampType: LCS	TestCode: CHLOR Units: mg/L	Prep Date: RunNo: 74780
Client ID: LCSW	Batch ID: R74780	TestNo: 4500CI-E, 201	Analysis Date: 6/16/2025 SeqNo: 849031
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qua
Chloride	103	5.00 100.0 0	103 80 120
Sample ID: 2506236-002AMS	SampType: MS	TestCode: CHLOR Units: mg/L	Prep Date: RunNo: 74780
Client ID: BatchQC	Batch ID: R74780	TestNo: 4500CI-E, 201	Analysis Date: 6/16/2025 SeqNo: 849033
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qua
Chloride	337	5.00 120.0 242.3	78.6 29.3 160
Sample ID: 2506236-002AMSD	SampType: MSD	TestCode: CHLOR Units: mg/L	Prep Date: RunNo: 74780
Client ID: BatchQC	Batch ID: R74780	TestNo: 4500CI-E, 201	Analysis Date: 6/16/2025 SeqNo: 849034
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qua
Chloride	338	5.00 120.0 242.3	79.9 29.3 160 336.6 0.473 7.87

Qualifiers:

Holding times for preparation or analysis exceeded

PL Permit Limit

W Sample container temperature is out of limit as specified at testcode

M Manual Integration used to determine area response

RL Reporting Detection Limit

D Not Detected at the Reporting Limit

S Spike Recovery outside accepted recovery limits

Green Country

TESTING

QC SUMMARY REPORT

4500H+B,2011

TestNo:

WO#:

2506269 19-Jun-25

Website: www.greencountrytesting.com

Website: www.greencountrytesting.com

Client: E&E Engineering and Associates

Project: Real Alloy Sapulpa, OK UIC

 Sample ID: LCS-R74858
 SampType: LCS
 TestCode: PH
 Units: pH Units
 Prep Date:
 RunNo: 74858

 Client ID: LCSW
 Batch ID: R74858
 TestNo: 4500H+B,201
 Analysis Date: 6/19/2025
 SeqNo: 849943

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

pH 7.02 0.100 7.000 0 100 80 120

Sample ID: 2506212-001ADUP SampType: **DUP** RunNo: 74858 TestCode: PH Units: pH Units Prep Date: Client ID: **BatchQC** Batch ID: R74858 TestNo: 4500H+B,201 Analysis Date: 6/19/2025 SeqNo: 849945 LowLimit HighLimit RPD Ref Val Result PQL SPK value SPK Ref Val %REC %RPD **RPDLimit** Qual Analyte 7.63 7.630 0 Н pН 0.100 1.03

Sample ID: 2506270-009ADUP	SampType: DUP	TestCode: I	PH (Units: pH Units	Pre	p Date:		RunNo: 748	358	
Client ID: BatchQC	Batch ID: R74858	TestNo: 4	4500H+B,201		Analys	is Date: 6/19/20	25	SeqNo: 849	956	
Analyte	Result	PQL S	SPK value SPK	Ref Val %R	EC LowL	imit HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
PH	7.35	0.100				_	7.350	0	1.03	Н

Qualifiers:

Holding times for preparation or analysis exceeded

PL Permit Limi

W Sample container temperature is out of limit as specified at testcode

Manual Integration used to determine area response

RL Reporting Detection Limit

ND Not Detected at the Reporting Limit

S Spike Recovery outside accepted recovery limits

Website: www.greencountrytesting.com



QC SUMMARY REPORT

WO#:

2506269

19-Jun-25

Client: E&E Engineering and Associates

Project: Real Alloy Sapulpa, OK UIC TestNo: 4500SO4-E,2011

Project: Real Alloy Sap	pulpa, OK UIC		TestNo: 4	1500SO4-E,2011
Sample ID: MB-R74792	SampType: MBLK	TestCode: SO4 Units: mg/L	Prep Date:	RunNo: 74792
Client ID: PBW	Batch ID: R74792	TestNo: 4500SO4-E,2	Analysis Date: 6/16/2025	SeqNo: 849102
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
SO4	< 5.00	5.00		
Sample ID: LCS-R74792	SampType: LCS	TestCode: SO4 Units: mg/L	Prep Date:	RunNo: 74792
Client ID: LCSW	Batch ID: R74792	TestNo: 4500SO4-E,2	Analysis Date: 6/16/2025	SeqNo: 849103
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
SO4	93.8	5.00 100.0 0	93.8 80 120	
Sample ID: 2506236-001AMS	S SampType: MS	TestCode: SO4 Units: mg/L	Prep Date:	RunNo: 74792
Client ID: BatchQC	Batch ID: R74792	TestNo: 4500SO4-E,2	Analysis Date: 6/16/2025	SeqNo: 849106
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
SO4	183	5.00 120.0 80.85	85.0 32.3 153	
Sample ID: 2506236-001AM \$	SD SampType: MSD	TestCode: SO4 Units: mg/L	Prep Date:	RunNo: 74792
Client ID: BatchQC	Batch ID: R74792	TestNo: 4500SO4-E,2	Analysis Date: 6/16/2025	SeqNo: 849107
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual

Qualifiers:

SO4

Holding times for preparation or analysis exceeded

PL Permit Limit

V Sample container temperature is out of limit as specified at testcode

184

5.00

Manual Integration used to determine area response

80.85

85.9

32.3

153

RL Reporting Detection Limit

120.0

ND Not Detected at the Reporting Limit

182.9

0.570

S Spike Recovery outside accepted recovery limits

6.56



QC SUMMARY REPORT

WO#:

2506269

19-Jun-25

Website: www.greencountrytesting.com

E&E Engineering and Associates **Client:**

Project:

TestNo: Real Alloy Sapulpa, OK UIC A2540 D-2015

Sample ID: MB-R74824	SampType: MBLK	TestCode: TSS	Units: mg/L	Prep Date:		RunNo: 74824		
Client ID: PBW	Batch ID: R74824	TestNo: A2540 D-	2015	Analysis Date:	6/18/2025	SeqNo: 849638		
Analyte	Result	PQL SPK value	SPK Ref Val	%REC LowLimit H	lighLimit RPD Ref Val	%RPD RPDLimit	Qual	
Suspended Solids (Residue, Non-Filterable)	< 5	5						

Sample ID: LCS-R74824 Client ID: LCSW	SampType: LCS Batch ID: R74824	TestCoo TestN	le: TSS lo: A2540 D-2	Units: mg/L	/L Prep Date: Analysis Date: 6/18/2025		RunNo: 74824 SeqNo: 849639				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filterable)	42	5	40	0	105	80	120				

Sample ID: 2506256-001ADUP	SampType: DUP	TestCode: T	ss	Units: mg/L		Prep Dat	e:		RunNo: 748	324	
Client ID: BatchQC	Batch ID: R74824	TestNo: A	A2540 D-2015			Analysis Dat	e: 6/18/20	25	SeqNo: 849	9641	
Analyte	Result	PQL SP	PK value SPk	Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filterable)	51	5						51	0	5	

Qualifiers:

Holding times for preparation or analysis exceeded

Sample container temperature is out of limit as specified at testcode

Manual Integration used to determine area response

Reporting Detection Limit

Not Detected at the Reporting Limit

Spike Recovery outside accepted recovery limits

Website: www.greencountrytesting.com



QC SUMMARY REPORT

WO#:

2506269

19-Jun-25

Client: E&E Engineering and Associates

1 4500 NITTO TT 0011

Project: Real Alloy Sapulp	oa, OK UIC				TestNo:	A4500 NH3 H-2011	
Sample ID: MB-R74755	SampType: MBLK	TestCode: NH3	Units: mg/L	Prep Dat	te:	RunNo: 74755	
Client ID: PBW	Batch ID: R74755	TestNo: A4500 NH	13 H-	Analysis Da	te: 6/13/2025	SeqNo: 848780	
Analyte	Result	PQL SPK value	SPK Ref Val	%REC LowLimit	HighLimit RPD Ref Val	%RPD RPDLimit	Qual
NH3	< 0.100	0.100					
Sample ID: LCS-R74755	SampType: LCS	TestCode: NH3	Units: mg/L	Prep Dat	te:	RunNo: 74755	
Client ID: LCSW	Batch ID: R74755	TestNo: A4500 NH	3 H-	Analysis Dat	te: 6/13/2025	SeqNo: 848781	
Analyte	Result	PQL SPK value	SPK Ref Val	%REC LowLimit	HighLimit RPD Ref Val	%RPD RPDLimit	Qual
NH3	3.10	0.100 3.160	0	98.2 80	120		
Sample ID: 2505544-001BMS	SampType: MS	TestCode: NH3	Units: mg/L	Prep Date	te:	RunNo: 74755	
Client ID: BatchQC	Batch ID: R74755	TestNo: A4500 NH	3 H-	Analysis Dat	te: 6/13/2025	SeqNo: 848783	
Analyte	Result	PQL SPK value	SPK Ref Val	%REC LowLimit	HighLimit RPD Ref Val	%RPD RPDLimit	Qual
NH3	10.2	0.100 10.00	7.063	31.6 73.3	121		S
Sample ID: 2505544-001BMSD	SampType: MSD	TestCode: NH3	Units: mg/L	Prep Dat	te:	RunNo: 74755	
Client ID: BatchQC	Batch ID: R74755	TestNo: A4500 NH	3 H-	Analysis Da	te: 6/13/2025	SeqNo: 848784	
Analyte	Result	PQL SPK value	SPK Ref Val	%REC LowLimit	HighLimit RPD Ref Val	%RPD RPDLimit	Qual
NH3	10.3	0.100 10.00	7.063	31.9 73.3	121 10.23	0.303 8.47	S

Qualifiers:

Holding times for preparation or analysis exceeded

Sample container temperature is out of limit as specified at testcode

Manual Integration used to determine area response

Reporting Detection Limit

Not Detected at the Reporting Limit

Spike Recovery outside accepted recovery limits

Website: www.greencountrytesting.com



QC SUMMARY REPORT

WO#:

2506269

19-Jun-25

Client: E&E Engineering and Associates

Project: Real Alloy Sapulpa, OK UIC TestNo: A4500 NH3 H-2011

Project: Real Alloy Sapulp	oa, OK UIC						']	restNo: A	14500 NH3 I	1-2011	
Sample ID: MB-R74755	SampType: MBLK	TestCoo	de: NH3	Units: mg/L		Prep Da	te:		RunNo: 74	755	
Client ID: PBW	Batch ID: R74755	TestN	lo: A4500 N H	3 H-		Analysis Da	te: 6/13/2 0	025	SeqNo: 84	8804	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
NH3	< 0.100	0.100									
Sample ID: LCS-R74755	SampType: LCS	TestCoo	de: NH3	Units: mg/L		Prep Da	te:		RunNo: 74	755	
Client ID: LCSW	Batch ID: R74755	TestN	lo: A4500 N H	3 H-		Analysis Da	te: 6/13/2 0	025	SeqNo: 84	8805	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
NH3	3.13	0.100	3.160	0	99.1	80	120				
Sample ID: 2506232-001BMS	SampType: MS	TestCoo	de: NH3	Units: mg/L		Prep Da	te:		RunNo: 74	755	
Client ID: BatchQC	Batch ID: R74755	TestN	lo: A4500 N H	3 H-		Analysis Da	te: 6/13/2 0	025	SeqNo: 84	8807	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
NH3	20.2	0.100	10.00	10.14	101	73.3	121				
Sample ID: 2506232-001BMSD	SampType: MSD	TestCoo	de: NH3	Units: mg/L		Prep Da	te:		RunNo: 74	755	
Client ID: BatchQC	Batch ID: R74755	TestN	lo: A4500 N H	3 H-		Analysis Da	te: 6/13/2 0	025	SeqNo: 84	8808	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
NH3	20.1	0.100	10.00	10.14	100	73.3	121	20.24	0.471	8.47	

Qualifiers:

Holding times for preparation or analysis exceeded

PL Permit Limi

V Sample container temperature is out of limit as specified at testcode

Manual Integration used to determine area response

RL Reporting Detection Limit

ND Not Detected at the Reporting Limit

S Spike Recovery outside accepted recovery limits



QC SUMMARY REPORT

WO#:

2506269

19-Jun-25

Website: www.greencountrytesting.com

Client: E&E Engineering and Associates

Project: Real Alloy Sapulpa, OK UIC

TestNo: A4500 NH3 H-2011

Sample ID: MB-R74755	SampType: MBLK	TestCode: NH3	Units: mg/L		Prep Date:		RunNo: 74	755	
Client ID: PBW	Batch ID: R74755	TestNo: A4500 NH	3 H-		Analysis Date: 6	/13/2025	SeqNo: 84	8828	
Analyte	Result	PQL SPK value	SPK Ref Val	%REC	LowLimit High	Limit RPD Ref Val	%RPD	RPDLimit	Qual
NH3	< 0.100	0.100							

Sample ID: LCS-R74755 Client ID: LCSW	SampType: LCS Batch ID: R74755	TestCode TestNo	: NH3 : A4500 NH3	Units: mg/L					RunNo: 74755 SeqNo: 848829			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit RPD Ref Va	ıl %RPD	RPDLimit	Qual		
NH3	3.32	0.100	3.160	0	105	80	120	_	_			

Green Country Testing, Inc. 6825 E 38th Street Tulsa, OK 74145

QC SUMMARY REPORT

WO#:

2506269

19-Jun-25

TEL: 918-828-9977 FAX: 918-828-7756 Website: www.greencountrytesting.com

Client: E&E Engineering and Associates

Real Alloy Sanulna OK LUC TestNo. A4500 NO3 F-2011 Project.

Project: Real Alloy Sapulp	pa, OK UIC			TestNo:	A4500 NO3 F-2011
Sample ID: MB-R74739 Client ID: PBW	SampType: MBLK Batch ID: R74739	TestCode: NO3 TestNo: A4500 NO3 F-	Units: mg/L	Prep Date: Analysis Date: 6/13/2025	RunNo: 74739 SeqNo: 848620
Analyte	Result	PQL SPK value SF		%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
Nitrate as N	< 0.400	0.400			
Sample ID: LCS-R74739	SampType: LCS	TestCode: NO3	Units: mg/L	Prep Date:	RunNo: 74739
Client ID: LCSW	Batch ID: R74739	TestNo: A4500 NO3 F-		Analysis Date: 6/13/2025	SeqNo: 848621
Analyte	Result	PQL SPK value SF	K Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
Nitrate as N	4.08	0.400 4.150	0	98.2 90 110	
Sample ID: 2506269-001AMS	SampType: MS	TestCode: NO3	Units: mg/L	Prep Date:	RunNo: 74739
Client ID: Cooling Water	Batch ID: R74739	TestNo: A4500 NO3 F-		Analysis Date: 6/13/2025	SeqNo: 848623
Analyte	Result	PQL SPK value SF	K Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
Nitrate as N	10.9	0.400 8.000	3.850	88.1 65.4 154	
Sample ID: 2506269-001AMSD	SampType: MSD	TestCode: NO3	Units: mg/L	Prep Date:	RunNo: 74739
Client ID: Cooling Water	Batch ID: R74739	TestNo: A4500 NO3 F-		Analysis Date: 6/13/2025	SeqNo: 848624
Analyte	Result	PQL SPK value SF	K Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual

Qualifiers:

Nitrate as N

Holding times for preparation or analysis exceeded

Sample container temperature is out of limit as specified at testcode

10.8

0.400

Manual Integration used to determine area response

3.850

87.5

65.4

154

Reporting Detection Limit

8.000

Not Detected at the Reporting Limit

10.90

0.423

Spike Recovery outside accepted recovery limits

89.4

Website: www.greencountrytesting.com



QC SUMMARY REPORT

WO#:

2506269

19-Jun-25

Client: E&E Engineering and Associates

Project: Real Alloy Sapulpa, OK UIC

TestNo: ASTM-D1429

Sample ID: 2506272-001ADUP	SampType: DUP	TestCo	de: SP_GR	Units: g/cc @	@ 4°C	Prep Da	te:		RunNo: 747	749	
Client ID: BatchQC	Batch ID: R74749	Test	No: ASTM-D14	129		Analysis Da	te: 6/13/2 0	25	SeqNo: 848	3741	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Specific Gravity	0.9970	0.01000						0.9970	0	0.723	

Website: www.greencountrytesting.com



QC SUMMARY REPORT

WO#:

2506269

19-Jun-25

Client: E&E Engineering and Associates

Project: Real Alloy Sapulpa, OK UIC TestNo: E120.1, 1982

Sample ID: 2506272-002ADUI	P SampType: DUP	TestCode: COND	Units: µmhos/cm@2	Prep Date:	RunNo: 74857	
Client ID: BatchQC	Batch ID: R74857	TestNo: E120.1, 198	32	Analysis Date: 6/19/2025	SeqNo: 849934	
Analyte	Result	PQL SPK value	SPK Ref Val %REC	LowLimit HighLimit RPD Ref Val	%RPD RPDLim	it Qual
Specific Conductivity	25.600	100		25.600	0 7.9	5

Holding times for preparation or analysis exceeded

PL Permit Limi

W Sample container temperature is out of limit as specified at testcode

M Manual Integration used to determine area response

RL Reporting Detection Limit

ND Not Detected at the Reporting Limit

S Spike Recovery outside accepted recovery limits



QC SUMMARY REPORT

WO#:

2506269

19-Jun-25

Website: www.greencountrytesting.com

Client: E&E Engineering and Associates

Project: Real Alloy Sapulpa, OK UIC TestNo: SW6010B

Sample ID: MB-22714	SampType: MBLK			er 6 Units: mg/L		•	te: 6/13/2025	RunNo: 74		
Client ID: PBW	Batch ID: 22714	TestN	No: SW6010B	SW3010A		Analysis Da	te: 6/18/2025	SeqNo: 84	9880	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit RPD Ref	/al %RPD	RPDLimit	Qual
Aluminum	< 0.0500	0.0500								
Cadmium	< 0.00100	0.00100								
Iron	< 0.0500	0.0500								
Lead	< 0.00500	0.00500								
Magnesium	< 0.0500	0.0500								
Nickel	< 0.0100	0.0100								

Sample ID: LCS-22714	SampType: LCS	TestCo	de: MET Wate	r 6 Units: mg/L		Prep Dat	te: 6/13/20	25	RunNo: 748	353	
Client ID: LCSW	Batch ID: 22714	Test	No: SW6010B	SW3010A		Analysis Dat	te: 6/18/20	25	SeqNo: 849	9881	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	2.01	0.0500	2.000	0	100	80	120				
Cadmium	1.97	0.00100	2.000	0	98.6	80	120				
Iron	2.06	0.0500	2.000	0	103	80	120				
Lead	2.03	0.00500	2.000	0	102	80	120				
Magnesium	2.04	0.0500	2.000	0	102	80	120				
Nickel	2.02	0.0100	2.000	0	101	80	120				

Sample ID: 2506250-001BMS	SampType: MS	TestCod	de: MET Wate	r 6 Units: mg/L		Prep Da	te: 6/13/20	25	RunNo: 748	353	
Client ID: BatchQC	Batch ID: 22714	TestN	No: SW6010B	SW3010A		Analysis Da	te: 6/18/20	25	SeqNo: 849	9883	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	4.44	0.0500	2.000	1.738	135	87.3	118				S

Qualifiers:

Holding times for preparation or analysis exceeded

PL Permit Lim

W Sample container temperature is out of limit as specified at testcode

M Manual Integration used to determine area response

RL Reporting Detection Limit

ND Not Detected at the Reporting Limit

S Spike Recovery outside accepted recovery limits

Original

Green Country Testing, Inc. 6825 E 38th Street Tulsa, OK 74145



QC SUMMARY REPORT

WO#: **2506269**

19-Jun-25

TEL: 918-828-9977 FAX: 918-828-7756 Website: www.greencountrytesting.com

Client: E&E Engineering and Associates

Project: Real Alloy Sapulpa, OK UIC

TestNo: SW6010B

Sample ID: 2506250-001BMS Client ID: BatchQC	SampType: MS Batch ID: 22714		de: MET Wate lo: SW6010B	er 6 Units: mg/L SW3010A		Prep Da Analysis Da	te: 6/13/20 te: 6/18/20		RunNo: 748 SeqNo: 849		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	2.00	0.00100	2.000	0	100	91.5	111				
Iron	4.04	0.0500	2.000	1.869	108	84.6	115				
Lead	2.03	0.00500	2.000	0	102	90.2	109				
Magnesium	7.72	0.0500	2.000	5.614	105	63.4	139				
Nickel	2.03	0.0100	2.000	0	101	92.7	109				

Sample ID: 2506250-001BMSD	SampType: MSD	TestCo	de: MET Wate	r 6 Units: mg/L		Prep Da	te: 6/13/20	25	RunNo: 748	353	
Client ID: BatchQC	Batch ID: 22714	Test	No: SW6010B	SW3010A		Analysis Da	te: 6/18/20	25	SeqNo: 849	9884	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	4.44	0.0500	2.000	1.738	135	87.3	118	4.438	0.113	3.98	S
Cadmium	2.00	0.00100	2.000	0	100	91.5	111	2.003	0.200	3.71	
Iron	4.06	0.0500	2.000	1.869	110	84.6	115	4.036	0.593	5.37	
Lead	2.02	0.00500	2.000	0	101	90.2	109	2.034	0.542	4.72	
Magnesium	7.71	0.0500	2.000	5.614	105	63.4	139	7.723	0.143	3.58	
Nickel	2.03	0.0100	2.000	0	101	92.7	109	2.027	0.0493	3.53	

Qualifiers:

Holding times for preparation or analysis exceeded

PL Permit Limit

W Sample container temperature is out of limit as specified at testcode

M Manual Integration used to determine area response

RL Reporting Detection Limit

ND Not Detected at the Reporting Limit

S Spike Recovery outside accepted recovery limits



Chain of Custody Record

GREEN COUNTRY TESTING CHAIN OF CUSTODY ATTACHMENT

ATTACHMENT PAGES Laboratory Number: 2500200

									_									1		
	(Stonantonics)	Hart Street		((, a, i)))) ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;			PO Nu	mber:			Proj	ect N	ame/l	Num	ber:			Dago 1	of 1	ı
Company Name:	E&E Engineering a	and Associates	Same								Rea		y Sap	oulpa	a, OK	CUIC	:/	Page 1		1
Contact Name:	Deren Ertugrul						Quote	Numb	er:		104-							Turn Tim ✓ Standa		
Address:	2301 N. Yellowood	d Ave.							,		Sam	pter's	Sign	ature	1		,	☐ 1 Day		
							Requir	red Q0	Leve	el:			// .	/		1	//.	2 Day		
City, State, Zip:	Broken Arrow, OK	74012									m	494	ers	/	\bigvee	w	ــنگا	Other		
Phone Number:	(918) 957-1300	Ext:			Ext:		Bill M				Ship	pping	Meth	od:				(Rush turn	times will	incur a
Fax Number:	(918) 957-1313						☐ Yes				На	nd-l	Deli	ver	ed			surcharge a		e pre-
Email Address:	deren@ee-associa	ates.com					□ No											approved b	y lab.)	
Which Regulation	ons Apply:	Matrix Code:		= Soil	a trocki							Sice.	(016)					∵ Co	Hillionika Barana	44
RCRA	Drinking Water	AQ = Aqueous		= Oil				tivity	Ë	Lead	& Nickel			Specific Gravity		_				
□POTW	Distribution	DW = Drinking		= Sludge				Conductivity	& Cadmium	& Le	ž		의	īa	တ	n				
NPDES	Special	WW = Waste		= Food				Con	18.0	8 S	E	क	& Iron	9	te	₽.				
□usda/fda	State	MW = Monit. Well		V = Swab	- 6			Spec.	lia-⊩	ride	esin	Ta	S	<u>i</u>	Ø	Е				
RECAP/RISC	Other	LQ = Liquid	SO	L = Solid				ంర	Ammonia-N	Chlorides	Magnesium	Sulfate	TSS	be	Nitrates	Aluminum				
San Divide.	emilian 4	Daig		N. Carrier			Jes	됩	₹	O	Σ /	(J)		S						
CoolingWater	r	6-12-25 2 45	Grab	AQ	3	P	YES	V	✓	V	✓	V	✓	✔∥	V	V				
							•													
			-			-														
			-			-		H			\square	Н		$-\parallel$						
						<u></u>						$-\parallel$					\parallel			
						_														
						-			\parallel											
						_		-		\parallel			$- \parallel$			-	H - H			
					1	_										 				
			_																	
Construction of the Constr				ic//inc	Market 45			ana a									Field No	ytes:		
	A Reimqueney	5 / 	Active consumers	A STATE OF THE PARTY OF THE PAR	1 00	<u> </u>	1	. 1		La	<u> </u>	/	1	deret of E	Contract College		1010111	Jeos.		
M	into de S	heere	6-12-	25 /	120		3/20		-/	V			/ /) ,	کول)	-				
									_					16	<u>a</u>	1			5/	
																	Receive	ed on ice?	Yes	□No
							:										Temp:	5~	,	
			ĺ		ı		1													

Green Country Testing, Inc.
6825 E 38th Street
Tulsa, OK 74145
TEL: 918-828-9977 FAX: 918-828-7756
Website: www.greencountrytesting.com



March 28, 2025

Deren Ertugrul

2301 N. Yellowood Ave. Broken Arrow, OK 74012 TEL: (918) 957-1300

FAX:

RE: Deepwell/Injectate Real Alloy Sapulpa, OK

Dear Deren Ertugrul:

Green Country Testing, Inc. received 2 sample(s) on 3/20/2025 for the analyses presented in the following report.

In accordance with your instructions, Green Country Testing conducted the analysis shown on the following pages on samples submitted by your company. The results relate only to the items tested. Unless otherwise noted, all analysis were conducted using EPA approved methodologies. Test reports meet all the NELAC requirements. All relevant sampling information is on the attached chain-of-custody form. The initials SUB as the analyst designate any testing sub-contracted by Green Country Testing.

Certifications/Accreditation: OK - 7604; 9953 - AR - ADEQ - KS - E-10232

A scope of Certified/Accredited parameters is available upon request. If you have any questions regarding these tests results, please feel free to call.

Sincerely,

B

Brian Duzan Laboratory Director Order No.: 2503315

Website: www.greencountrytesting.com



Analytical Report

(continuous)

WO#: 2503315 Date Reported: 3/28/2025

CLIENT: Lab Order: 2503315

Deepwell/Injectate Real Alloy Sapulpa, OK **Project:**

Lab ID:	2503315-002	Collection Date:	3/20/2025 10:52:00 AM

Lab ID:	2503315-002		Colle	ection Date: 3/2	20/2025 10:52:00 AM
Client Sample ID: I	njectate / Retention Pond			Matrix: A	QUEOUS
Analyses	Result	RL	Qual Uni	ts D	F Date Analyzed
CHLORIDE IN WATER	र		45	600CL-E, 2011	Analyst: BG
Chloride	15,000	500	mg/l	_ 10	00 3/25/2025 1:28:00 PM
AMMONIA AS N			\45	000 NH3 H-201	Analyst: BG
NH3	17.2	0.100	mg/l	_ 1	3/27/2025 11:21:00 AM
NITRATE AS N IN WA	TER		\45	600 NO3 F-201	Analyst: BG
Nitrate as N	12.5	0.400	mg/l	_ 1	3/20/2025 2:55:00 PM
SULFATE IN WATER			45	00SO4-E,2011	Analyst: BG
SO4	254	5.00	mg/l	_ 1	3/25/2025 2:15:00 PM
METALS IN WATER E	BY ICP, TOTAL			SW6010B	SW3010A Analyst: KR
Iron	0.372	0.0500	mg/l		3/28/2025 2:38:51 AM
Magnesium Nickel	34.0 < 0.0100	0.500 0.0100	mg/l mg/l		3/28/2025 2:38:51 AM 3/28/2025 2:38:51 AM
METALS IN WATER E	BY ICP, TOTAL			SW6010B	SW3010A Analyst: KR
Cadmium	0.00215	0.00100	mg/l		3/28/2025 2:38:51 AM
Lead	< 0.00500	0.00500	mg/l	_ 1	3/28/2025 2:38:51 AM
SPECIFIC CONDUCTA	ANCE		E	E120.1, 1982	Analyst: WH
Specific Conductivity	51,600	100	μmh	os/cm2 at 25C 10	00 3/25/2025 2:00:00 PM
PH			4	500H+B,2011	Analyst: WH
рН	7.85	0.100	Н рН (Jnits 1	3/25/2025 4:00:00 PM

Holding times for preparation or analysis exceeded Qualifiers:

ND Not Detected at the Reporting Limit

RPD outside accepted recovery limits Sample container temperature is out of limit as specified at testcode Manual Integration used to determine area response

PL Permit Limit

Website: www.greencountrytesting.com



Analytical Report

(continuous)

WO#: **2503315**

Date Reported: 3/28/2025

CLIENT: Lab Order: 2503315

Project: Deepwell/Injectate Real Alloy Sapulpa, OK

SPECIFIC GRAVITY - N			ASTM-D14	129	Analyst: AC
Specific Gravity	1.021	0.01000	g/cc @ 4°C	1	3/24/2025 8:02:00 AM
TOTAL SUSPENDED SOLIDS			A2540 D-2	015	Analyst: EJA
Suspended Solids (Residue, Non-Filterable)	113	5	mg/L	1	3/24/2025 4:01:00 PM

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

W Sample container temperature is out of limit as specified at testcode

M Manual Integration used to determine area response

PL Permit Limit

RL Reporting Detection Limit

Website: www.greencountrytesting.com

 $\underbrace{\text{Green Countr}}_{\underline{\mathsf{T}} \ \underline{\mathsf{E}} \ \underline{\mathsf{S}} \ \underline{\mathsf{T}} \ \underline{\mathsf{I}} \ \underline{\mathsf{N}} \ \underline{\mathsf{G}}}_{\underline{\mathsf{N}}} y$

QC SUMMARY REPORT

4500Cl-E, 2011

RunNo: 73466

SeqNo: 833182

%RPD

4.05

RPDLimit

7.87

TestNo:

WO#: **2503315**

28-Mar-25

Client:

Project: Deepwell/Injectate Real Alloy Sapulpa, OK

Sample ID: MB-R73466 SampType: MBLK TestCode: CHLOR Prep Date: Units: mg/L RunNo: 73466 Client ID: **PBW** Batch ID: R73466 TestNo: 4500CI-E, 201 Analysis Date: 3/25/2025 SeqNo: 833178 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual Chloride < 5.00 5.00 Sample ID: LCS-R73466 SampType: LCS TestCode: CHLOR Units: mg/L Prep Date: RunNo: 73466 Client ID: LCSW Analysis Date: 3/25/2025 Batch ID: **R73466** TestNo: 4500CI-E, 201 SeqNo: 833179 Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual Chloride 101 5.00 100.0 0 101 80 120 Sample ID: 2503275-001AMS SampType: MS TestCode: CHLOR Prep Date: RunNo: 73466 Units: mg/L Client ID: **BatchQC** Batch ID: **R73466** TestNo: 4500CI-E, 201 Analysis Date: 3/25/2025 SeqNo: 833181 Analyte Result PQI SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual Chloride 4x 500 120.0 4.094 -234 29.3 160 S

Qualifiers:

Client ID:

Analyte

Chloride

Holding times for preparation or analysis exceeded

SampType: MSD

Batch ID: **R73466**

Result

4x

L Permit Limit

Sample ID: 2503275-001AMSD

BatchQC

S Spike Recovery outside accepted recovery limits

Manual Integration used to determine area response

Units: mg/L

4,094

Prep Date:

29.3

%REC

-103

Analysis Date: 3/25/2025

LowLimit HighLimit RPD Ref Val

160

R RPD outside accepted recovery limits

SPK value SPK Ref Val

120.0

TestCode: CHLOR

PQL

500

TestNo: 4500CI-E, 201

W Sample container temperature is out of limit as specified at testcode

ND Not Detected at the Reporting Limit

3,813

RL Reporting Detection Limit

Qual

S

Website: www.greencountrytesting.com

Green Country

T. E. S. T. I. N. G.

QC SUMMARY REPORT

WO#:

2503315

28-Mar-25

Client:

Project: Deepwell/Injectate Real Alloy Sapulpa, OK

TestNo:

4500H+B,2011

Sample ID: LCS-R73475	SampType: LCS	TestCode: PH	Units: pH Units	Prep Da	te:	RunNo: 73475	
Client ID: LCSW	Batch ID: R73475	TestNo: 4500H+B ,	201	Analysis Da	te: 3/25/2025	SeqNo: 833245	
Analyte	Result	PQL SPK value	SPK Ref Val %	REC LowLimit	HighLimit RPD Ref Val	%RPD RPDLimit	Qual
pH	7.02	0.100 7.000	0	100 80	120		
Sample ID: 2503315-002ADUI	P SampType: DUP	TestCode: PH	Units: pH Units	Prep Da	te:	RunNo: 73475	
Client ID: Injectate / Retenti	ion Batch ID: R73475	TestNo: 4500H+B,	201	Analysis Da	te: 3/25/2025	SeqNo: 833252	
Analyte	Result	PQL SPK value	SPK Ref Val %	REC LowLimit	HighLimit RPD Ref Val	%RPD RPDLimit	Qual

Website: www.greencountrytesting.com

Green Country

T. E. S. T. I. N. G.

QC SUMMARY REPORT

WO#:

2503315

28-Mar-25

Client:

Project: Deepwell/Injectate Real Alloy Sapulpa, OK

TestNo: 4500SO4-E,2011

	Веер жен/ підсеци	e Real Alloy Sapulpa, OK	-				1	estNo: 4	1500SO4-E,2	UII	
Sample ID:	MB-R73469 PBW	SampType: MBLK Batch ID: R73469	TestCode: SO4 TestNo: 4500SO4	Units: mg/L -E,2		Prep Date		25	RunNo: 734 SeqNo: 833		
Analyte		Result	PQL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
SO4		< 5.00	5.00								
Sample ID:	LCS-R73469	SampType: LCS	TestCode: SO4	Units: mg/L		Prep Date	e:		RunNo: 73 4	169	
Client ID:	LCSW	Batch ID: R73469	TestNo: 4500SO4	-E,2		Analysis Date	e: 3/25/20	25	SeqNo: 833	3202	
Analyte		Result	PQL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
SO4		101	5.00 100.0	0	101	80	120				
Sample ID:	2503275-001AMS	SampType: MS	TestCode: SO4	Units: mg/L		Prep Date	e:		RunNo: 734	169	
Sample ID: Client ID:		SampType: MS Batch ID: R73469	TestCode: SO4 TestNo: 4500SO4	ū		Prep Date Analysis Date		25	RunNo: 73 4 SeqNo: 83 3		
'			TestNo: 4500SO4	ū	%REC	Analysis Date	e: 3/25/20	25 RPD Ref Val			Qual
Client ID:		Batch ID: R73469	TestNo: 4500SO4	-E,2		Analysis Date	e: 3/25/20		SeqNo: 833	3212	Qual
Client ID: Analyte SO4		Batch ID: R73469 Result	TestNo: 4500SO4 PQL SPK value	- E,2 SPK Ref Val	%REC	Analysis Date	e: 3/25/20 HighLimit 153		SeqNo: 833	RPDLimit	Qual
Client ID: Analyte SO4 Sample ID:	BatchQC	Batch ID: R73469 Result 288	TestNo: 4500SO4 PQL SPK value 5.00 120.0	SPK Ref Val 176.9 Units: mg/L	%REC 92.4	Analysis Date LowLimit 32.3	e: 3/25/20 HighLimit 153 e:	RPD Ref Val	SeqNo: 833 %RPD	RPDLimit	Qual
Client ID: Analyte SO4 Sample ID:	BatchQC 2503275-001AMSD	Batch ID: R73469 Result 288 SampType: MSD	TestNo: 4500SO4 PQL SPK value 5.00 120.0 TestCode: SO4 TestNo: 4500SO4	SPK Ref Val 176.9 Units: mg/L	%REC 92.4	Analysis Date LowLimit 32.3 Prep Date Analysis Date	e: 3/25/20 HighLimit 153 e: e: 3/25/20	RPD Ref Val	SeqNo: 833 %RPD RunNo: 734	RPDLimit	Qual

Qualifiers:

Holding times for preparation or analysis exceeded

PL Permit Limit

S Spike Recovery outside accepted recovery limits

Manual Integration used to determine area response

R RPD outside accepted recovery limits

W Sample container temperature is out of limit as specified at testcode

ND Not Detected at the Reporting Limit

Website: www.greencountrytesting.com

Green Country

T E S T I N G

QC SUMMARY REPORT

WO#:

2503315

28-Mar-25

Client:

Project: Deepwell/Injectate Real Alloy Sapulpa, OK

TestNo: A2540 D-2015

Sample ID: MB-R73454	SampType: MBLK	TestCode:	TSS	Units: mg/L		Prep Da	te:		RunNo: 734	159	
Client ID: PBW	Batch ID: R73459	TestNo:	A2540 D-2	2015		Analysis Da	te: 3/24/20	25	SeqNo: 83	3085	
Analyte	Result	PQL :	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non- Filterable)	< 5	5									

Sample ID: LCS-R73454	SampType: LCS	TestCod	de: TSS	Units: mg/L		Prep Da	te:		RunNo: 73	459	
Client ID: LCSW	Batch ID: R73459	TestN	No: A2540 D-2	015		Analysis Da	te: 3/24/20	25	SeqNo: 83	3086	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filterable)	39	5	40	0	98	80	120				

Sample ID: 2503336-001ADUP	SampType: DUP	TestCode: TSS	Units: mg/L	Prep Date:		RunNo: 734	159	
Client ID: BatchQC	Batch ID: R73459	TestNo: A2540	D-2015	Analysis Date: 3/24/2025		SeqNo: 833	8094	
Analyte	Result	PQL SPK valu	ue SPK Ref Val	%REC LowLimit HighLimit RF	PD Ref Val	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filterable)	15	5			19	24	5	R

Holding times for preparation or analysis exceeded

PL Permit Limi

S Spike Recovery outside accepted recovery limits

M Manual Integration used to determine area response

R RPD outside accepted recovery limits

W Sample container temperature is out of limit as specified at testcode

ID Not Detected at the Reporting Limit

Green Country

T. E. S. T. I. N. G

QC SUMMARY REPORT

WO#:

2503315

28-Mar-25

We b site: www.green country testing.com

Client:

Project: Deepwell/Injectate Real Alloy Sapulpa, OK

TestNo: A4500 NH3 H-2011

Deepwen/injectat	e Real Alloy Sapulpa, OR		Testivo.	14300 11113 11-2011
Sample ID: MB-R73505	SampType: MBLK	TestCode: NH3 Units: mg/L	Prep Date:	RunNo: 73505
Client ID: PBW	Batch ID: R73505	TestNo: A4500 NH3 H-	Analysis Date: 3/27/2025	SeqNo: 833683
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
NH3	< 0.100	0.100		
Sample ID: LCS-R73505	SampType: LCS	TestCode: NH3 Units: mg/L	Prep Date:	RunNo: 73505
Client ID: LCSW	Batch ID: R73505	TestNo: A4500 NH3 H-	Analysis Date: 3/27/2025	SeqNo: 833684
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
NH3	3.31	0.100 3.160 0	105 80 120	
Sample ID: 2503315-001CMS	SampType: MS	TestCode: NH3 Units: mg/L	Prep Date:	RunNo: 73505
Client ID: Deepwell	Batch ID: R73505	TestNo: A4500 NH3 H-	Analysis Date: 3/27/2025	SeqNo: 833686
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
NH3	9.03	0.100 10.00 0.4320	86.0 73.3 121	
Sample ID: 2503315-001CMSD	SampType: MSD	TestCode: NH3 Units: mg/L	Prep Date:	RunNo: 73505
Client ID: Deepwell	Batch ID: R73505	TestNo: A4500 NH3 H-	Analysis Date: 3/27/2025	SeqNo: 833687
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
NH3	8.99	0.100 10.00 0.4320	85.6 73.3 121 9.032	0.488 8.47

Qualifiers:

Holding times for preparation or analysis exceeded

PL Permit Limit

S Spike Recovery outside accepted recovery limits

Manual Integration used to determine area response

R RPD outside accepted recovery limits

W Sample container temperature is out of limit as specified at testcode

ND Not Detected at the Reporting Limit

Green Country

QC SUMMARY REPORT

WO#: **2503315**

28-Mar-25

Website: www.greencountrytesting.com

Client:

Project: Deepwell/Injectate Real Alloy Sapulpa, OK

TestNo: A4500 NH3 H-2011

Troject. Deepwen/injectat	c Real Alloy Sapulpa, OR	<u> </u>	Testito.	44500 N115 11-2011
Sample ID: MB-R73505	SampType: MBLK	TestCode: NH3 Units: mg/L	Prep Date:	RunNo: 73505
Client ID: PBW	Batch ID: R73505	TestNo: A4500 NH3 H-	Analysis Date: 3/27/2025	SeqNo: 833707
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
NH3	< 0.100	0.100		
Sample ID: LCS-R73505	SampType: LCS	TestCode: NH3 Units: mg/L	Prep Date:	RunNo: 73505
Client ID: LCSW	Batch ID: R73505	TestNo: A4500 NH3 H-	Analysis Date: 3/27/2025	SeqNo: 833708
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
NH3	3.29	0.100 3.160 0	104 80 120	
Sample ID: 2503380-007BMS	SampType: MS	TestCode: NH3 Units: mg/L	Prep Date:	RunNo: 73505
Client ID: BatchQC	Batch ID: R73505	TestNo: A4500 NH3 H-	Analysis Date: 3/27/2025	SeqNo: 833710
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
NH3	9.43	0.100 10.00 0	94.3 73.3 121	
Sample ID: 2503380-007BMSD	SampType: MSD	TestCode: NH3 Units: mg/L	Prep Date:	RunNo: 73505
Client ID: BatchQC	Batch ID: R73505	TestNo: A4500 NH3 H-	Analysis Date: 3/27/2025	SeqNo: 833711
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
NH3	9.63	0.100 10.00 0	96.3 73.3 121 9.430	2.13 8.47

Qualifiers:

Holding times for preparation or analysis exceeded

PL Permit Limit

S Spike Recovery outside accepted recovery limits

Manual Integration used to determine area response

R RPD outside accepted recovery limits

W Sample container temperature is out of limit as specified at testcode

ND Not Detected at the Reporting Limit

Green Country

T. E. S. T. I. N. G

QC SUMMARY REPORT

WO#:

2503315

28-Mar-25

Website: www.greencountrytesting.com

Client:

Project: Deepwell/Injectate Real Alloy Sapulpa, OK

TestNo: A4500 NO3 F-2011

	J 1 1 7									
Sample ID: MB-R73418	SampType: MBLK	TestCode: NO3	Units: mg/L		Prep Date:			RunNo: 734	118	
Client ID: PBW	Batch ID: R73418	TestNo: A4500 NC	03 F-		Analysis Date:	3/20/20	25	SeqNo: 832	2638	
Analyte	Result	PQL SPK value	SPK Ref Val	%REC	LowLimit F	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrate as N	< 0.400	0.400								
Sample ID: LCS-R73418	SampType: LCS	TestCode: NO3	Units: mg/L		Prep Date:			RunNo: 73 4	118	
Client ID: LCSW	Batch ID: R73418	TestNo: A4500 NO)3 F-		Analysis Date:	3/20/20	25	SeqNo: 832	2639	
Analyte	Result	PQL SPK value	SPK Ref Val	%REC	LowLimit F	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrate as N	4.00	0.400 4.150	0	96.3	90	110				
Sample ID: 2503299-002AMS	SampType: MS	TestCode: NO3	Units: mg/L		Prep Date:			RunNo: 73 4	118	
Client ID: BatchQC	Batch ID: R73418	TestNo: A4500 NC	03 F-		Analysis Date:	3/20/20	25	SeqNo: 832	2643	
Analyte	Result	PQL SPK value	SPK Ref Val	%REC	LowLimit F	lighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrate as N	8.67	0.400 8.000	0.6180	101	65.4	154				
Sample ID: 2503299-002AMSD	SampType: MSD	TestCode: NO3	Units: mg/L		Prep Date:			RunNo: 73 4	118	
Client ID: BatchQC	Batch ID: R73418	TestNo: A4500 NC	03 F-		Analysis Date:	3/20/20	25	SeqNo: 832	2644	
Analyte	Result	PQL SPK value	SPK Ref Val	%REC	LowLimit H	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:

Holding times for preparation or analysis exceeded

PL Permit Limit

S Spike Recovery outside accepted recovery limits

Manual Integration used to determine area response

R RPD outside accepted recovery limits

W Sample container temperature is out of limit as specified at testcode

ND Not Detected at the Reporting Limit

Website: www.greencountrytesting.com



QC SUMMARY REPORT

WO#:

2503315

28-Mar-25

Client:

Project: Deepwell/Injectate Real Alloy Sapulpa, OK

TestNo: ASTM-D1429

Sample ID: 2503315-001ADUP	SampType: DUP	TestCod	de: SP_GR	Units: g/cc@4	l _o C	Prep Date:		RunNo: 734	142	
Client ID: Deepwell	Batch ID: R73442	TestN	No: ASTM-D14	29		Analysis Date: 3/24/20)25	SeqNo: 832	2873	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Specific Gravity	1.001	0.01000			•		1.001	0	0.723	•

Green Country Testing, Inc. 6825 E 38th Street Tulsa, OK 74145

TEL: 918-828-9977 FAX: 918-828-7756

Website: www.greencountrytesting.com

Green Country

T E S T I N G

16,500

100

QC SUMMARY REPORT

WO#:

0

7.95

2503315

28-Mar-25

Client:

Specific Conductivity

Project: Deepwell/Injectate Real Alloy Sapulpa, OK

TestNo: E120.1, 1982

Sample ID: LCS-R73470 Client ID: LCSW	SampType: LCS Batch ID: R73470	TestCode: COND TestNo: E120.1, 19	Units: µmhos/cm2 at	Prep Date: Analysis Date: 3/25/2025	RunNo: 73470 SeqNo: 833222
Analyte	Result	PQL SPK value	SPK Ref Val %REC	LowLimit HighLimit RPD Ref V	al %RPD RPDLimit Qual
Specific Conductivity	100	1.00 100.0	0 101	80 120	
Sample ID: 2503275-001ADUP	SampType: DUP	TestCode: COND	Units: µmhos/cm2 at	Prep Date:	RunNo: 73470
Client ID: BatchQC	Batch ID: R73470	TestNo: E120.1, 19	082	Analysis Date: 3/25/2025	SeqNo: 833224
Analyte	Result	PQL SPK value	SPK Ref Val %REC	LowLimit HighLimit RPD Ref V	al %RPD RPDLimit Qual

16,500

S Spike Recovery outside accepted recovery limits

R RPD outside accepted recovery limits

W Sample container temperature is out of limit as specified at testcode

Website: www.greencountrytesting.com

Green Country

TESTING

QC SUMMARY REPORT

WO#:

2503315

28-Mar-25

Client:

Project: Deepwell/Injectate Real Alloy Sapulpa, OK

Spike Recovery outside accepted recovery limits

TestNo: SV

SW6010B

Sample ID: MB-22311	SampType: MBLK	TestCode:	MET Water	r 6 Units: mg/L		Prep Date	3/24/20)25	RunNo: 73	524	
Client ID: PBW	Batch ID: 22311	TestNo:	SW6010B	SW3010A		Analysis Date	3/27/20)25	SeqNo: 83	3941	
Analyte	Result	PQL S	PK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	< 0.00100	0.00100									
Iron	< 0.0500	0.0500									
Lead	< 0.00500	0.00500									
Magnesium	< 0.0500	0.0500									
Nickel	< 0.0100	0.0100									
Sample ID: LCS-22311	SampType: LCS	TestCode:	MET Water	r 6 Units: mg/L		Prep Date	3/24/20)25	RunNo: 73	524	
Client ID: LCSW	Batch ID: 22311	TestNo:	SW6010B	SW3010A		Analysis Date	3/27/20)25	SeqNo: 83	3942	
Analyte	Result	PQL S	PK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qua
Cadmium	1.95	0.00100	2.000	0	97.5	80	120				
Iron	2.15	0.0500	2.000	0	108	80	120				
Lead	2.03	0.00500	2.000	0	102	80	120				
Magnesium	2.07	0.0500	2.000	0	104	80	120				
Nickel	1.98	0.0100	2.000	0	99.0	80	120				
Sample ID: 2503305-001BMS	SampType: MS	TestCode:	MET Water	r 6 Units: mg/L		Prep Date	3/24/20)25	RunNo: 73	524	
Client ID: BatchQC	Batch ID: 22311	TestNo:	SW6010B	SW3010A		Analysis Date	3/27/20)25	SeqNo: 83	3944	
Analyte	Result	PQL S	PK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qua
Cadmium	1.96	0.00100	2.000	0	98.2	91.5	111				
Iron	2.24	0.0500	2.000	0.05801	109	84.6	115				
Lead	2.00	0.00500	2.000	0	99.9	90.2	109				

Sample container temperature is out of limit as specified at testcode

Website: www.greencountrytesting.com

Green Country

TESTING

QC SUMMARY REPORT

SW6010B

TestNo:

WO#: **2503315**

%RPD RPDLimit

28-Mar-25

Client:

Analyte

Iron

Lead Magnesium

Nickel

Cadmium

Project: Deepwell/Injectate Real Alloy Sapulpa, OK

Sample ID: 2503305-001BMS	SampType: MS	TestCode: MET Water	•		Prep Date		RunNo: 73524				
Client ID: BatchQC	Batch ID: 22311	TestNo: SW6010B SW3010A			Analysis Date	: 3/27/202	25	SeqNo: 833944			
Analyte	Result	PQL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Magnesium	28.5	0.0500 2.000	26.50	99.5	63.4	139					
Nickel	1.94	0.0100 2.000	0	97.2	92.7	109					
Sample ID: 2503305-001BMSD	SampType: MSD	TestCode: MET Water	6 Units: mg/L		Prep Date	3/24/202	RunNo: 73524				
Client ID: BatchQC	Batch ID: 22311	TestNo: SW6010B	SW3010A		Analysis Date	3/27/202	25	SeqNo: 833945			
Analyte	Result	PQL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cadmium	1.97	0.00100 2.000	0	98.3	91.5	111	1.965	0.0509	3.71		
Iron	2.27	0.0500 2.000	0.05801	111	84.6	115	2.245	1.20	5.37		
Lead	1.99	0.00500 2.000	0	99.6	90.2	109	1.997	0.301	4.72		
Magnesium	28.5	0.0500 2.000	26.50	98.5	63.4	139	28.49	0.0702	3.58		
Nickel	1.93	0.0100 2.000	0	96.4	92.7	109	1.944	0.878	3.53		
Sample ID: MB-22325	SampType: MBLK	TestCode: MET Water	6 Units: mg/L		Prep Date	3/26/202	25	RunNo: 735	25		

PL Permit Limit

SPK value SPK Ref Val

PQL

0.00100

0.0500

0.00500

0.0500

0.0100

Result

< 0.00100

< 0.0500

< 0.00500

< 0.0500

< 0.0100

%REC LowLimit HighLimit RPD Ref Val

Qual

S Spike Recovery outside accepted recovery limits

Manual Integration used to determine area response

R RPD outside accepted recovery limits

W Sample container temperature is out of limit as specified at testcode

ND Not Detected at the Reporting Limit

RL Reporting Detection Limit

Website: www.greencountrytesting.com



QC SUMMARY REPORT

WO#:

2503315

28-Mar-25

Client:

Project: Deepwell/Injectate Real Alloy Sapulpa, OK

TootNo	SW6010B
TestNo:	SWOULUD

Sample ID: LCS-22325	SampType: LCS	TestCod	de: MET Water 6	Units: mg/L		Prep Date	3/26/20	25	RunNo: 73525			
Client ID: LCSW	Batch ID: 22325	Test	lo: SW6010B	SW3010A		Analysis Date	3/27/20	25	SeqNo: 83			
Analyte	Result PQL SPK value SPK Ref Val		PK Ref Val	%REC	LowLimit I	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Cadmium	1.97	0.00100	2.000	0	98.3	80	120					
Iron	2.14	0.0500	2.000	0	107	80	120					
Lead	2.05	0.00500	2.000	0	103	80	120					
Magnesium	2.11	0.0500	2.000	0	105	80	120					
Nickel	1.96	0.0100	2.000	0	98.0	80	120					
Sample ID: 2503360-001BMS	SampType: MS	TestCoo	de: MET Water 6	Units: mg/L		Prep Date	3/26/20	25	RunNo: 73525			
Client ID: BatchQC	Batch ID: 22325	Test	lo: SW6010B	SW3010A		Analysis Date	Analysis Date: 3/27/2025		SeqNo: 83	3980		
Analyte	Result	PQL	SPK value S	PK Ref Val	%REC	LowLimit I	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qua	
Cadmium	1.95	0.00100	2.000	0	97.7	91.5	111					
Iron	3.76	0.0500	2.000	1.687	104	84.6	115					
Lead	1.97	0.00500	2.000	0	98.6	90.2	109					
Magnesium	20.7	0.0500	2.000	18.47	111	63.4	139					
Nickel	1.91	0.0100	2.000	0	95.3	92.7	109					
Sample ID: 2503360-001BMSD	SampType: MSD	TestCoo	de: MET Water 6	Units: mg/L		Prep Date	3/26/20	25	RunNo: 73 !	525		
Client ID: BatchQC	Batch ID: 22325	TestN	lo: SW6010B	SW3010A	Analysis Date:		3/27/20	25	SeqNo: 83	3981		
Analyte	Result	PQL	SPK value S	PK Ref Val	%REC	LowLimit I	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qua	
Cadmium	1.97	0.00100	2.000	0	98.6	91.5	111	1.954	0.866	3.71		
Oddiniani				4 007	107	84.6	115	3.764	1.66	5.37		
Iron	3.83	0.0500	2.000	1.687	107	04.0	115	3.704	1.00	5.57		

Qualifiers:

Holding times for preparation or analysis exceeded

L Permit Limit

S Spike Recovery outside accepted recovery limits

M Manual Integration used to determine area response

RPD outside accepted recovery limits

V Sample container temperature is out of limit as specified at testcode

ND Not Detected at the Reporting Limit

RL Reporting Detection Limit

Original Page 17 of 18

Website: www.greencountrytesting.com



QC SUMMARY REPORT

WO#:

2503315

28-Mar-25

Client:

Project: Deepwell/Injectate Real Alloy Sapulpa, OK

TestNo: SW6010B

Sample ID: 2503360-001BMSD Client ID: BatchQC	SampType: MSD Batch ID: 22325		de: MET Wate	or 6 Units: mg/L SW3010A		Prep Dat Analysis Dat	te: 3/26/20 te: 3/27/20		RunNo: 73525 SeqNo: 833981			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Magnesium	20.8	0.0500	2.000	18.47	119	63.4	139	20.69	0.722	3.58		
Nickel	1.92	0.0100	2.000	0	95.9	92.7	109	1.906	0.628	3.53		

G	re	er	ıC	'n	ur	ıtr	y
T	E	S	T	I	N	G	

Chain of Custody Record

GRÉEN COUNTRY 1ESTING CHAIN OF CUSTODY ATTACHMENT

Laboratory	25022	
.vuillioet.	VUUUU	0

										11	1	P A	btb		L			<u> </u>	UUU I	<u> </u>		
	(elient information):			Billing In	formation			PON	imber	: -	. 4. –	Pro	ject N	lame	/Nun	iber:						
Company Name:	E&E Engineering	Ingineering and Associates Same						Real Al					Real Alloy Sapulpa, OK UIC /					IC /	Page 1		1	
Contact Name:	Deren Ertugrul							Quote Number: 104-035				02					Turn Tir					
Address:	2301 N. Yellowood Ave.											San	Sampler's Signature:						✓ Standard			
				Requi	red Q	CLey	eł.		Xau	<i>1</i> 59	lien	1/a	=	٠	☐ 1 Day							
City, State, Zip:	Broken Arrow, OK	74012												7	\angle				Other			
Phone Number:	(918) 957-1300	Ext:				Ext:		Bill M		T		Shi	ppine	Meth	iod:					n times will		
Fax Number:	(918) 957-1313							✓ Yes				Ha	nd-	Del	ivei	har				and must b		
Email Address:	deren@ee-associ	ates.com						□ No				110	iiiu-		1761	Cu			approved by lab.)			
Which Regulation	ons Apply:	Matrix C	ode:	SO	= Soil	Cont	niner :	Pres.				Requ	ested	Tests	WAY.			h, Ila	da di O	omments:	KUNG-11	
☐RCRA	Drinking Water	AQ = Aqu			· Oil				- ₹	E	ad	<u>ē</u>		ے	Σ							
□ POTW	Distribution	DW = Dri	nking		Sludge		3	် # ઉ	Jucti	admi	& Lead	& Nickel		& Iron	.a<							
NPDES	Special	$\mathbf{W} = \mathbf{W}$		F	Food			્રહ્ય	Son	∵ •	<u>مح</u>	∞5	a		Ō	G						
□USDA/FDA	State	MW = M			' = Swab	Ě		¥ 2	90.	Ž.	ğ	siur	at	80	iţic	at						
RECAP/RISC	Other	LQ - Liq	CONTRACTOR OF THE PARTY OF THE		L Solid	Quantity	9	HCI, HNO, H, NaOH, Na, S, O,	& Spec. Conductivity	Ammonia∗N & Cadmium	Chlorides	Magnesium	Sulfate	SS	Specific Gravity	Nitrates						
Sample ID/Desc	nption	Date	Time	Grab / Composite	Matrix	RESERVED OF	Fa.o.	ΔZ	표	A A	Ö	ž	S	H	S	Z	_					
Deepwell		3/20/2	1V 33	Grab	AQ	3			1	√	V	\checkmark	√	✓	✓	V						
Injectate / Ret	ention Pond	3/20/25	10:52	Grab	AQ	3			1	√	\	\checkmark	\checkmark	\checkmark	√	\checkmark						
		17																				
	· · · · · · · · · · · · · · · · · · ·																					
				1																		
														\dashv	\vdash		 					
				-												\vdash	-					
					***		: :							\Box								
]			<u>I</u>						Ш									
					į.			_	abla													
	. Válinguishec				e/Time			Rece	yed by)ate/T			Field N	latan			
				12/2/20			+20	\mathcal{X}	7 7112	isijaja j			7	חמ	X	כוד			iotes.			
Jan	+ Dating A			JA9/26	13:5	4	12/	\times					4	~~	w	10	10					
2				' '		_	· ()	(\		
																			$\neg c$	Yes	□No	
																		Temp:				