



ANALYTICAL RESULTS

Batch ID/Form: 271657 - CHEMICAL MONITORING

Submitting Lab ID: 1012

PWS ID/Name: 2041010 - RYE WATER DIST - RYE

Report Date: 01/16/2024

Collector: ARIK JONES

Phone: 817-1344

Collect Date: 12/11/2023 13:20:00

Lab Sample ID: 271657.02_23.19983

Matrix: WATER

Received: 12/11/2023 14:30:00

Sample Location ID: 506

Sample Type: ROUTINE-SAMPLE

Compliance Period: Q4 2023

Description: TREATMENT FAC/006/BAILEY BROOK BRW

Receipt Temp.: 1.2 C

Analyte	Results	Units	RDL	DF	Prepared Date	Analysis Date	Analyte Code	Analyst	Qual.
Analytical Method: 10212803		Analyzing Lab: 2530-KNL ENVIRONMENTAL TESTING							
RADIUM-228	0.3	PCI/L	.6		01/07/2024 20:32:00	01/07/2024 20:32:00	4030		
Analytical Method: 10309601		Analyzing Lab: 2530-KNL ENVIRONMENTAL TESTING							
RADIUM-226	0.3	PCI/L	.2		01/05/2024 17:43:00	01/05/2024 17:43:00	4020		
Analytical Method: Calculated		Analyzing Lab: 2530-KNL ENVIRONMENTAL TESTING							
TOTAL RADIUM	0.6	PCI/L	.6						

This report is derived from the original 'Report of Laboratory Analysis' and is not intended as a replacement.



ANALYTICAL RESULTS

Batch ID/Form: 271657 - CHEMICAL MONITORING

Submitting Lab ID: 1012

PWS ID/Name: 2041010 - RYE WATER DIST - RYE

Report Date: 01/16/2024

Collector: ARIK JONES

Phone: 817-1344

Collect Date: 12/11/2023 13:05:00

Lab Sample ID: 271657.01_23.19983

Matrix: WATER

Received: 12/11/2023 14:30:00

Sample Location ID: 502

Sample Type: ROUTINE-SAMPLE

Compliance Period: Q4 2023

Description: TREATMENT FAC/008/CEDAR BRW

Receipt Temp.: 1.2 C

Analyte	Results	Units	RDL	DF	Prepared Date	Analysis Date	Analyte Code	Analyst	Qual.
Analytical Method: 10212803		Analyzing Lab: 2530-KNL ENVIRONMENTAL TESTING							
RADIUM-228	0.3	PCI/L	.6		01/07/2024 20:32:00	01/07/2024 20:32:00	4030		
Analytical Method: 10309601		Analyzing Lab: 2530-KNL ENVIRONMENTAL TESTING							
RADIUM-226	0.1	PCI/L	.2		01/05/2024 17:43:00	01/05/2024 17:43:00	4020		
Analytical Method: Calculated		Analyzing Lab: 2530-KNL ENVIRONMENTAL TESTING							
TOTAL RADIUM	0.4	PCI/L	.6						

This report is derived from the original 'Report of Laboratory Analysis' and is not intended as a replacement.



Eastern Analytical, Inc.

professional laboratory and drilling services

Katy Anderson
Seacoast Analytical Services
PO Box 555
Barrington, NH 03825



Subject: Laboratory Report

Eastern Analytical, Inc. ID: 271657

Client Identification: Rye Water Dist | PWS ID: 2041010 / Chemical Monitoring / Q4 2023 (S121123K1
-2)

Date Received: 12/15/2023

Dear Ms. Anderson :

Enclosed please find the report of analysis for the above identified project. As discussed, analyses were subcontracted and are listed as follows:

Analysis: Subcontract - Radium 226 & Radium 228 Combined KNL

Subcontractor Lab: KNL Enveironmental Testing

A complete copy of the report is attached. This report may not be reproduced except in full, without the written approval of the laboratory.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,

Lorraine Olashaw, Lab Director

1.17.24

Date



SAMPLE CONDITIONS PAGE

EAI ID#: 271657

Client: **Seacoast Analytical Services**

Client Designation: **Rye Water Dist | PWS ID: 2041010 / Chemical Monitoring / Q4 2023 (S121123K1-2)**

Temperature upon receipt (°C): 1.2

Received on ice or cold packs (Yes/No): Y

Acceptable temperature range (°C): 0-6

Lab ID	Sample ID	Date Received	Date/Time Sampled	Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)
271657.01	502 TREATMENT FAC/008/Cedar BRW (S121123K1)	12/15/23	12/11/23 13:05	aqueous		Adheres to Sample Acceptance Policy
271657.02	506 TREATMENT FAC/006/BAILEY BROOK BRW (S121123K2)	12/15/23	12/11/23 13:20	aqueous		Adheres to Sample Acceptance Policy

All results contained in this report relate only to the above listed samples.

Unless otherwise noted:

- Hold times, preservation, container types, and sample conditions adhered to EPA Protocol.
- Solid samples are reported on a dry weight basis, unless otherwise noted. pH/Corrosivity, Flashpoint, Ignitability, Paint Filter, Conductivity and Specific Gravity are always reported on an "as received" basis.
- Analysis of pH, Total Residual Chlorine, Dissolved Oxygen and Sulfite were performed at the laboratory outside of the recommended 15 minute hold time.
- Samples collected by Eastern Analytical, Inc. (EAI) were collected in accordance with approved EPA procedures.



FL DOH Certification #E84025
NH Laboratory ID #2530

Report Date: January 8, 2024

Eastern Analytical, Inc.
51 Antrim Avenue
Concord, NH 03301

Field Custody: Client
Client/Field ID: 271657
502 TREATMENT FAC/
008/Cedar BRW
(S121123K1)
PO# 61433
Sample Collection: 12-11-23/1320
Lab ID No: 23.19983
Lab Custody Date: 12-22-23/1045
Sample Description: Water

CERTIFICATE OF ANALYSIS

Contam Code	Parameter	Units	Results	Analysis Date/Time	Method	Detection Limit
4010	Radium-226 + Radium-228	pCi/L	0.4 ± 0.6	Calc	Calc	0.8
4020	Radium-226	pCi/L	0.1 ± 0.2	1-5-24/1743	EPA 903.0*	0.3
4030	Radium-228	pCi/L	0.3 ± 0.6	1-7-24/2032	EPA Ra-05	0.8

* 107% carrier recovery

Thomas J. Weeks
Laboratory Manager

Test results meet all requirements of the 2016 TNI standards. Statement of estimated uncertainty available upon request. Test results refer only to sample(s) listed.
Contact person: Thomas Weeks (813) 229-2879.



FL DOH Certification #E84025
NH Laboratory ID #2530

Report Date: January 8, 2024

Eastern Analytical, Inc.
51 Antrim Avenue
Concord, NH 03301

Field Custody: Client
Client/Field ID: 271657
506 TREATMENT FAC/
006/Bailey Brook BRW
(S121123K2)
PO# 61433
Sample Collection: 12-11-23/1320
Lab ID No: 23.19984
Lab Custody Date: 12-22-23/1045
Sample Description: Water

CERTIFICATE OF ANALYSIS

Contam Code	Parameter	Units	Results	Analysis Date/Time	Method	Detection Limit
4010	Radium-226 + Radium-228	pCi/L	0.6 ± 0.6	Calc	Calc	0.8
4020	Radium-226	pCi/L	0.3 ± 0.2	1-5-24/1743	EPA 903.0*	0.4
4030	Radium-228	pCi/L	0.3 ± 0.6	1-7-24/2032	EPA Ra-05	0.8

* 81% carrier recovery

Thomas J. Weeks
Laboratory Manager

Test results meet all requirements of the 2016 TNI standards. Statement of estimated uncertainty available upon request. Test results refer only to sample(s) listed.
Contact person: Thomas Weeks (813) 229-2879.

CHAIN-OF-CUSTODY RECORD



Sample ID Date Sampled Matrix aParameters

Sample Notes Page 1

502 TREATMENT
FAC/008/Cedar BRW
(S121123K1)
12/11/2023
13:05
aqueous
Subcontract - Radium 226 & Radium 228 Combined KNL

23.19983

506 TREATMENT
FAC/006/BAILEY BROOK
BRW(S121123K2)
12/11/2023
13:20
aqueous
Subcontract - Radium 226 & Radium 228 Combined KNL

23.19984

EAI ID#: 271657 Project State: NH

Results Needed: Preferred Date: Standard TAT

RUSH Due Date:

Public Water Supply Testing

If RUSH charge will be applied, please call prior to analyzing.

QC Deliverables

☒ A ☐ A+ ☐ B ☐ B+ ☐ C ☐ MA MCP

Notes about project

NH Compliance

Company KNL Environmental Testing
Address 3202 N. Florida Ave.
Address Tampa, FL 33603
Account #
Phone # 813-229-2879

PO #: 61433

EAI ID#: 271657

Email login confirmation, pdf of results and invoice to customerservice@easternanalytical.com.

Relinquished by Belinda Bell Date/Time 12/18/23 1600 hrs

Relinquished by 12-22-23 1045 Received by KNL-AS

Relinquished by Date/Time Received by

Eastern Analytical, Inc. 51 Antim Ave. Concord, NH 03301 Phone: (603)228-0525 1-800-287-0525 customerservice@easternanalytical.com
As a subcontract lab to EAI, you will defend, indemnify and hold Eastern Analytical, Inc., its officers, employees, and agents harmless from and against any and all liability, loss, expense or claims for injury or damage arising out of the performance against this chain of custody but only in proportion to and to the extent such liability, loss, expense, or claims for injury or damages are caused by or result from the negligent or intentional acts or omissions of you as a subcontract lab, your officers, agents or employees

CHAIN-OF-CUSTODY RECORD

BOLD FIELDS REQUIRED. PLEASE CIRCLE REQUESTED ANALYSIS.

271657

SAMPLE I.D.	SAMPLING DATE/TIME *IF COMPOSITE, INDICATE BOTH START & FINISH DATE/TIME	MATRIX (SEE BELOW) GRAB/*COMPOSITE	VOC		SVOC		TCMP		INORGANICS		MICRO		METALS		OTHER		NOTES MEOH VIAL #	
			524.2 524.2 MTBE ONLY 8260 624 VTICS 1, 4 DIOXANE	8021	8015 GRO MAVPH	8270 ABN 625 PAH EDB DBCP	TPH8100 LI L2	8015 DRO MAEPH	PEST 608 PCB 608 PCB 8082	OIL & GREASE 1664 TPH 1664	TCMP VOC PEST METALS HERB	BOD CBOD TS TSS TDS	Br Cl F SO ₄ NO ₂ NO ₃ NO ₃ TN NH ₃ O. PHOS.	pH T. RES. CHLORINE SPEC. CON. T. ALK.	COD PHENOLS TOC DOC	TOTAL CYANIDE REACTIVE CYANIDE FLASHPOINT		TOTAL SULFIDE REACTIVE SULFIDE IGNITABILITY
512112314	12/11/23 13:05	GR																
512112314	12/11/23 13:20	GR																

PROJECT MANAGER: _____

COMPANY: _____

ADDRESS: _____

CITY: _____ **STATE:** _____ **ZIP:** _____

PHONE: _____ **EXT.:** _____

E-MAIL: _____

SITE NAME: 242 West District

PROJECT #: 512112314-2

STATE: (NH) MA ME VT OTHER: _____

REGULATORY PROGRAM: NPDES: RGP POTW STORMWATER OR
GWP, OIL FUND, BROWNFIELD OR OTHER: _____

QUOTE #: _____ **PO #:** _____

QA/QC REPORTING

A B C

MA MCP

TEMP 1.2 °C

ICE? (YES) NO

REPORTING OPTIONS

PRELIMS: Yes ☐ No ☐

ELECTRONIC OPTIONS

PDF ☐ EXCEL ☐ EQUUS ☐ OTHER _____

TURN AROUND TIME

24hr* 48hr*

3-4 Days* 5 Day 7 Day 10 Day

*Pre-approval Required

SAMPLER(S): _____

REINQUISHED BY: 12/15/23 08:50 Jsa Pennington

RECEIVED BY: 12/15/23 13:00 Jsa Pennington

REINQUISHED BY: _____

RECEIVED BY: _____

SUSPECTED CONTAMINATION: _____

FIELD READINGS: _____

METALS: 8 RCRA 13 PP FE, MN PB, CU

Please email to customer@seacoastanalytical.com

Thanks!

seacoast analytical hereby authorizes eastern analytical to upload this report to the state on our behalf. info attached. thanks.



Drinking Water and Groundwater Bureau
Analysis Request Form

CHEMICAL

271657

December 11, 2023

Page 2 of 30

PWS ID: 2041010

Compliance Sample Site(s) per Master Sampling Schedule

Collected By:

Arik Jones

System Name: RYE WATER DIST

PWS Town: RYE

Signature:

I certify that all samples taken are from the site(s) listed below and all information provided on this form is valid.

Date/Time Sample Collected:

12/11/23 6:05

Phone Number:

(603) 817-1344

Locator ID#: 502

Sample Site Location: TREATMENT FAC/008/CEDAR BRW

Sample Period: Q1 ☐ Q2 ☐ Q3 ☐ Q4 ☒ Year: 2023

Sample Type: Routine ☒

Confirmation ☐

Make-up ☐

Check Test(s) Requested	# of Containers	Lab Sample ID	Check Test(s) Requested	# of Containers	Lab Sample ID
NITRITE * (see note)			Compliance Gross Alpha (see note)***		
NITRATE * (see note)			Combined Radium		512112341
VOC			Uranium mass		
SOC			PFAS		
IOC			Cyanide ** (see note)		
Manganese			OTHER:		

* NOTE: Samples collected for NITRATE/NITRITE analysis NEED to be collected prior to chlorination. Check with Lab.

** CYANIDE samples NEED to be collected prior to chlorination. Check with Lab.

*** In order to calculate Compliance Gross Alpha, a sample for Uranium must be taken on the same day.

FOR LAB USE: Temp (upon receipt): 10 On log (Y/N) Batch ID (if different than sample ID prefix):

List QUALIFIERS (if any):

Relinquished by: Arik Jones Received by: [Signature]

Date/Time:

Relinquished by: [Signature] Received at Lab by: [Signature]

Date/Time:

12/11/23 14:30

Lab Conducting Analysis: [Signature] Signature: [Signature]

Lab Accred. ID:

Phone:

Reporting Lab (if different): [Signature] Signature: [Signature]

Lab Accred. ID:

Phone:

NOTE: THIS IS NOT A REPORTING FORM. Results to be reported must include all information specified in Env-Dw 719. Reporting Monitoring Data.

Results must be reported to DES within 2 business days of analysis completion unless acute contaminants are exceeded which must be reported within 24 hours.



Drinking Water and Groundwater Bureau
Analysis Request Form

CHEMICAL

Compliance Sample Site(s) per Master Sampling Schedule

PWS ID: 2041010

System Name: RYE WATER DIST

PWS Town: RYE

Date/Time Sample Collected: 12/11/23 @ 1:40

Locator ID#: 506

Sample Site Location: TREATMENT FAC/006/BAILEY BROOK BRW

Phone Number: (603) 817-1344

Collected By: Arik Jones

Signature: [Signature]

I certify that all samples taken are from the site(s) listed below and all information provided on this form is valid.

Sample Period:	Q1	Q2	Q3	Q4	Year:	Sample Type:	Routine	Confirmation	Make-up
Check Test(s) Requested					2023	Check Test(s) Requested			
NITRITE * (see note)						Compliance Gross Alpha (see note)***			
NITRATE * (see note)						Combined Radium		2	512112342
VOC						Uranium mass			
SOC						PFAS			
IOC						Cyanide ** (see note)			
Manganese						OTHER:			

* NOTE: Samples collected for NITRATE/NITRITE analysis NEED to be collected prior to chlorination. Check with Lab.
** CYANIDE samples NEED to be collected prior to chlorination. Check with Lab.
*** In order to calculate Compliance Gross Alpha, a sample for Uranium must be taken on the same day.

FOR LAB USE: Temp (Upon receipt): 10 On Ice? ☒ N Batch ID (if different than sample ID prefix):

List QUALIFIERS (if any):

Relinquished by: [Signature] Received by: [Signature]

Date/Time:

Relinquished by: [Signature] Received at Lab by: [Signature]

Date/Time: 12/11/23 14:35

Lab Conducting Analysis: [Signature] Signature: [Signature]

Lab Accred. ID:

Phone:

Reporting Lab (if different): [Signature] Signature: [Signature]

Lab Accred. ID:

Phone:

NOTE: THIS IS NOT A REPORTING FORM. Results to be reported must include all information specified in Env-Dw 719, Reporting Monitoring Data.
Results must be reported to DES within 2 business days of analysis completion unless acute contaminants are exceeded which must be reported within 24 hours.

Date: March 6, 2023

Reference #: S030223TR1

Client: Rye Water District

Water location: Garland R 3-23
Rye, NH

Test Method	ANALYTE (pCi/L) = picocurie per liter	YOUR WATER'S VALUE < means less than
E-PERM®	Radon	1,408

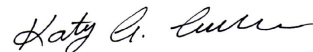
Date/time sampled: 03/02/23 12:05

Radon analysis: 03/02/23

Date rec'd: 03/02/23

THIS REPORT IS CONFIDENTIAL. IF YOU
RECEIVE THIS INFORMATION IN ERROR,
PLEASE CALL 603-868-1457.

SEACOAST ANALYTICAL SERVICES is a National Radon Safety Board Accredited Radon Laboratory (NRSB # ARL0008) in New Hampshire, Maine, Massachusetts, Vermont, and Connecticut. We are also registered (#ME07800C) as required with the State of Maine. Two national organization web sites list accredited radon mitigation companies. Follow the links to radon mitigation. (www.nrsb.org) (nrpp.info)



Katy Anderson, Technical Director

Date: March 6, 2023

Reference #: S030223TR2

Client: Rye Water District

Water location: Bailey R 3-23
Rye, NH

Test Method	ANALYTE (pCi/L) = picocurie per liter	YOUR WATER'S VALUE < means less than
E-PERM®	Radon	465

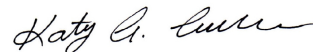
Date/time sampled: 03/02/23 11:53

Radon analysis: 03/02/23

Date rec'd: 03/02/23

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(nrpp.info)



Katy Anderson, Technical Director

Date: March 6, 2023

Reference #: S030223TR3

Client: Rye Water District

Water location: Cedar R 3-23
Rye, NH

Test Method	ANALYTE (pCi/L) = picocurie per liter	YOUR WATER'S VALUE < means less than
E-PERM®	Radon	660

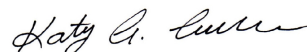
Date/time sampled: 03/02/23 11:45

Radon analysis: 03/02/23

Date rec'd: 03/02/23

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(nrpp.info)



Katy Anderson, Technical Director

Date: March 6, 2023

Reference #: S030223TR4

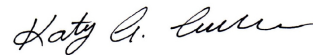
Client: Rye Water District

Water location: 865 Blend R 3-23
Rye, NH

Test Method	ANALYTE (pCi/L) = picocurie per liter	YOUR WATER'S VALUE < means less than
E-PERM®	Radon	439

Date/time sampled: 03/02/23 11:10
Radon analysis: 03/02/23
Date rec'd: 03/02/23THIS REPORT IS CONFIDENTIAL. IF YOU
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Katy Anderson, Technical Director