

**Sampling for Radon in Air
Initial Post Construction Testing for
Compliance with Connecticut General
Statute 10-220 (d)**

**Frank T. Wheeler
15 Cleveland Memorial Drive
Plainville, Connecticut
December 6, 2022 – December 8, 2022**

**Plainville Community Schools
Plainville, Connecticut**

March 28, 2023

**Eagle Environmental, Inc.
8 South Main Street
Terryville, Connecticut
(860) 589-8257**



March 28, 2023

Mr. Michael Smith
Facilities Director
Plainville Community Schools
47 Robert Holcomb Way
Plainville, Connecticut 06062

**RE: Plainville Community Schools Radon Study:
5-Year Re-evaluation (November 14-17, 2017)
Frank T. Wheeler Elementary School
35 Cleveland Memorial Circle
Plainville, Connecticut
Eagle Project No. 23-004.10T1**

Dear Mr. Smith:

Enclosed is the report for the post construction initial testing for airborne radon conducted at Frank T. Wheeler Elementary School at 15 Cleveland Memorial Circle in Plainville, Connecticut in compliance with CT General Statute 10-220 (d). The sampling for this school was performed from January 9, 2023 through January 11, 2023. Notification of the results has been made to the State of Connecticut Department of Public Health and a copy of the State Notification Form is attached in Appendix B of this report.

If you have any questions regarding the contents of this report, please do not hesitate to contact us at (860) 589-8257. Thank you for this opportunity to serve your environmental needs.

Sincerely,
Eagle Environmental, Inc.

Report Written by:
Evan Kulig
Environmental Consultant I

Report Reviewed by:
Jason Eberhard
Senior Project Manager
Certified Radon Professional (Certification No. NRRP 111005 RMP)

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1.0 INTRODUCTION

Plainville Community Schools retained Eagle Environmental, Inc. (Eagle) to perform a radon measurement study utilizing passive airborne radon canisters at the Frank T. Wheeler Elementary School located at 69 Frank T. Wheeler Elementary in Plainville, Connecticut. Eagle representative Evan Kulig performed the sampling from January 9, 2023 to January 11, 2023.

The sampling was performed under the supervision of Mr. Jason Eberhard. Mr. Eberhard received his initial radon training through CERTI's EPA-approved "Radon and Radon Decay Product Measurement Course" and received his accreditation in the National Radon Proficiency Program (NRPP) (Certificate #111005 RMP). He also completed the State of CTDPH Course "Radon Measurement in Connecticut Schools" on June 15, 2020. Copies of Mr. Eberhard's certificates are enclosed within Appendix E.

Plainville Community Schools performed initial radon testing in all existing schools from February 27th through March 1st, 2006 in response to the requirement of Connecticut General Statute Section 10-220 (d), also known as Indoor Air Quality (IAQ) in School Law. The sampling followed the protocols in the USEPA document: Radon Measurement in Schools, EPA 402-R-92-014, July 1993, and satisfied the requirements of the CTDPH as outlined in its "School Radon Testing Guidance" document.

During the initial testing of Frank T. Wheeler Elementary School, fifty-one (51) samples were collected and no room had an average radon concentration in excess of 4.0 pCi/L. Eagle representative Michelle Rudy, performed the last round of re-test sampling from November 23 through November 15, 2015. Since the time of the 2015 retesting, major architectural and mechanical renovations occurred.

This testing was conducted as an initial test following the renovations to the school building. Every frequently occupied ground contact room was tested during this initial post construction radon sampling event.

A follow up study will be required every five (5) years after the initial post construction test. CTDPH requires retesting of 10% of the rooms that were tested initially in a randomized fashion every five (5) years. In addition, all rooms that had radon concentrations in excess of 4.0 pCi/L requiring radon mitigation are required to be re-tested. Each successive five (5) year re-test must include a new set of 10% of rooms that were not tested earlier and each room with initial elevated radon level. Each round must include analysis of 10% "duplicate," 5% "blanks" and 3% "spike" samples, as required.

2.0 RADON INFORMATION AND SAMPLING PROCEDURES

2.1 Radon Facts and Health Effects

Radon is a naturally-occurring radioactive gas produced by the natural breakdown (decay) of uranium which is found in soil and rock strata throughout the United States. Radon travels through soil and enters buildings through cracks and other penetrations in building foundations. Eventually the gas itself decays into radioactive particles (decay products) that can become trapped in the lungs during human respiration. As these particles in turn decay, they release small bursts of radiation which can damage lung tissue and lead to lung cancer over the course of a person's lifespan.

Like other environmental pollutants, there is some uncertainty about the magnitude of radon health risks. However, scientists are more certain about radon risks than risks from most other cancer-causing environmental pollutants as estimates of radon risk are based on studies of cancer

in humans (underground miners). USEPA estimates that radon may cause about 14,000 lung cancer deaths in the U.S. each year. The U.S. Surgeon General has warned that radon is the second-leading cause of lung cancer deaths after smoking, and is the leading cause of lung cancer among non-smokers.

USEPA studies have found that the radon concentration in outdoor air averages approximately 0.4 picoCuries per liter of air (pCi/L). However, radon and its decay products may accumulate within a building, generating much higher concentrations. The USEPA has adopted an Action Level of 4.0 pCi/L. USEPA recommends that school systems take measures to reduce the level of airborne radon in the areas where the concentration is equal to or greater than the Action Level.

Again, radon is a known human carcinogen. Prolonged exposure to elevated radon concentrations causes an increased risk of lung cancer. Radon is a colorless, odourless and tasteless gas. Thus, the only way to know whether or not an elevated level of radon is present in a building is to test.

2.2 Airborne Radon Sampling

On January 9, 2023, Eagle Representative Evan Kulig, under the supervision of Jason Eberhard, Certified Radon Professional (Certification No. NRRP 111005 RMP) placed passive radon detection canisters at forty-three (43) locations within the school building. In addition, five (5) “duplicate” sample and three (3) “blank” sample were deployed. Eagle representative Evan Kulig then retrieved the canisters on January 11, 2023. To preserve the integrity of the sampling process, the identities of the “duplicate” and the “blank” samples were intentionally masked so the analytical laboratory could not distinguish them.

The canisters were supplied and analyzed by Radon Testing Corporation of America (RTCA). As recommended, canisters were placed in frequently occupied rooms within the lowest level of the school that is in contact with the ground. Canisters were not placed in hallways or rooms with high levels of moisture or heat, such as boiler rooms, bathrooms and locker rooms. In such cases, it is recommended that a canister be placed in a room directly above the area in order to assess the radon level. Where possible, canisters were placed at least twenty (20) inches from the floor and three (3) feet away from exterior and interior walls and windows. Also, canisters were not placed near drafts resulting from HVAC intakes and returns or frequently opened doors. When possible, canisters were not exposed to direct sunlight, covered up, or otherwise disturbed during the testing period. A closed building condition was utilized for twelve (12) hours prior to testing being conducted. To comply with the regulatory requirements, canisters were deployed during the coldest months of the year (November through March) and during normal school days (Monday through Friday, excluding holidays and planned full-day closures).

The School Administration notified the parents and staff informing them of the radon testing program. Copies of the Notifications are attached as Appendix A.

2.3 Airborne Radon Quality Assurance Procedures

USEPA strongly recommends that quality assurance measurements are included in radon measurement studies. Quality assurance measurements include “spikes” (laboratory authentication), side by side canisters (“duplicates”), and unexposed control canisters (“blanks”).

Spike Samples are used to determine the accuracy of the normal measurement process. For each month of active radon sampling, a batch of canisters provided by Eagle Environmental, Inc. is exposed to a known and elevated concentration of radon gas (i.e., “spiked”) at a secondary laboratory, separate from the primary laboratory used for analysis of the school samples. The

“spike” samples thus exposed are sent as normal school samples to the primary laboratory. Upon receipt of the spike sample results from the primary laboratory, relative percent error (RPE) is calculated as follows:

$$\text{RPE} = \frac{\text{Target Value}-\text{Measured Value}}{\text{Target Value}} \times 100\%$$

The results of analysis at the primary laboratory should have an average error of approximately + or -10% of the target value set by the secondary laboratory. The expectation is that the values of RPE fall between +10% and -10%, but the entire range of +20% to -20% is considered “in control.” Outside of +/- 20% but inside of +/- 30% is the warning level and outside of +/- 30% is the control limit. Any RPE outside of 20% should be investigated and documented. The number of spikes should be 3% of the detectors deployed during a month with a maximum of six (6) spikes per month.

Spike samples were prepared at Bowser-Morner, Inc., in Dayton, Ohio from December 12, 2022 through December 14, 2022 and submitted to RTCA on December 19, 2022. A fictitious site address and chain-of-custody form was created to hide the identity of the samples. Copies of chain-of-custodies and results are enclosed in Appendix C.

Duplicates are pairs of canisters deployed in the same location, side by side for the same measurement period. “Duplicates” are placed in at least 10% of all sampling locations up to a maximum of fifty (50) locations. These “duplicate” canisters are stored, deployed, removed, and shipped to the laboratory for analysis in the same manner as the other canisters. If either of the tests in a “duplicate” pairing is above the EPA standard of 4.0 pCi/L, as adjusted for canister error rate (see below), then the relative percent difference (RPD) between the two (2) tests must be determined as follows:

$$\text{RPD} = \frac{\text{Initial Result}-\text{Duplicate Result}}{\text{Average of Both Results}} \times 100\%$$

If results that are over 4.0 pCi/L differ by 25% or more, the data quality should be questioned. If both canisters’ results are below 4.0 pCi/L then the RPD is not calculated since, despite any disparity, both results are below the EPA standard.

Blanks are utilized to determine whether the manufacturing, shipping, storage, and processing of the canisters has affected the accuracy of airborne radon sampling procedures. “Blanks” are unexposed canisters which are shipped with the exposed canisters so that the processing laboratory cannot distinguish them. The number of “blanks” is at least 5% of the number of canisters deployed, up to a maximum of twenty-five (25) canisters.

3.0 RADON ANALYTICAL RESULTS

3.1 Spike Samples

In the summary table below are the results of the quality control spike tests.

TABLE 1: SPIKE SAMPLE RESULTS

CANISTER NUMBER	TARGET VALUE (pCi/Liter)	MEASURED VALUE (pCi/Liter)	ERROR (%)
3059341	26.0	27.0	4.0
3059427		29.2	12.0
3059350		27.5	6.0
3059424		25.8	0.8
3059372		29.2	12.0
3059421		29.6	14.0

The “spike” analysis was acceptable with an average error of 8.14%. The primary laboratory was confirmed suitable for analysis of the school re-evaluation samples. “Spike” sample chain-of-custodies and laboratory reports are attached as Appendix C.

3.2 School Re-Evaluation Samples

In the summary table below are the results of all samples placed in the school with their respective “blank” canisters, as described in the previous section. In addition, results of all quality control “duplicate” tests, average radon level, and relative percent difference, if applicable, between the two (2) canisters are listed. Because Eagle created fictitious rooms, in order to satisfy requirements to disguise “blanks” and “duplicates,” the table lists both the names designated on the chain-of-custody, as well as the actual sample identity.

TABLE 2: SCHOOL RE-EVALUATION SAMPLE RESULTS

FLOOR	FICTITIOUS ROOM NAME ON CHAIN OF CUSTODY	SAMPLE LOCATION	CANISTER NUMBER	RADON LEVEL (pCi/Liter)	
				Sample	Duplicate Average
1 st Floor	--	Room 1E	3034264	0.8	--
1 st Floor	--	Room 3E	3034308	0.5	
1 st Floor	--	Room 5E	3034287	0.4	0.45
1 st Floor	Room 13E	Room 5E	3034323	0.5	
1 st Floor	--	Room 7E	3034250	0.6	--
1 st Floor	--	Room 9E	3034360	0.5	--
1 st Floor	--	Room 11E	3059373	0.7	--
1 st Floor	--	Room 12E	3034347	0.9	--
1 st Floor	--	Room 2E	3059415	1.0	--
1 st Floor	--	Room 4E	3034252	0.6	--
1 st Floor	--	Room 6E	3034278	0.7	--

FLOOR	FICTITIOUS ROOM NAME ON CHAIN OF CUSTODY	SAMPLE LOCATION	CANISTER NUMBER	RADON LEVEL (pCi/Liter)	
				Sample	Duplicate Average
1 st Floor	--	Room 8E	3034293	0.7	--
1 st Floor	--	Room 10E	3059410	0.8	--
1 st Floor	--	Room 13S	3034268	0.7	--
1 st Floor	--	Room 15S	3034319	0.9	--
1 st Floor	--	Room 16S	3034858	0.7	0.75
1 st Floor	Room 16N	Room 16S	3034868	0.8	
1 st Floor	--	Library	3034959	0.8	--
1 st Floor	--	Room 23W	3059419	0.6	--
1 st Floor	--	Room 25W	3034318	0.9	--
1 st Floor	--	Room 27W	3034890	0.5	--
1 st Floor	--	Room 29W	3059431	0.8	0.65
1 st Floor	Room 29N	Room 29W	3034306	0.5	
1 st Floor	--	Room 30W	3034886	0.5	--
1 st Floor	--	Room 31W	3034322	0.5	--
1 st Floor	--	Room 33W	3034869	0.5	--
1 st Floor	--	Infirmery	3034351	0.6	--
1 st Floor	--	Nurse's Office	3034294	0.7	--
1 st Floor	--	Conference Room	3034352	0.3	0.45
1 st Floor	Vice Principal Office	Conference Room	3034311	0.4	
1 st Floor	--	Work Room	3059420	0.5	--
1 st Floor	--	Principal Office	3034855	0.4	--
1 st Floor	--	Main Office	3000670	0.3	--
1 st Floor	--	Room 28W	3059405	0.9	--
1 st Floor	--	Room 26W	3034857	0.9	--
1 st Floor	--	Cafeteria Storage	3034956	0.8	--
1 st Floor	--	Cafeteria	3034266	0.8	--
1 st Floor	--	Cafeteria	3034992	0.6	--
1 st Floor	--	Room 18S	3034265	0.6	--
1 st Floor	--	Room 19S	3034341	1.0	0.7
1 st Floor	Room 19N	Room 19S	3027628	0.4	
1 st Floor	--	Room 17S	3034298	0.5	--

FLOOR	FICTITIOUS ROOM NAME ON CHAIN OF CUSTODY	SAMPLE LOCATION	CANISTER NUMBER	RADON LEVEL (pCi/Liter)	
				Sample	Duplicate Average
1 st Floor	--	Room 20S	3034297	0.6	--
1 st Floor	--	Room 225A	3034286	0.3	--
1 st Floor	--	Room 222	3034317	0.4	--
1 st Floor	--	Athletic Office	3034290	0.6	--
1 st Floor	--	Gymnasium	3059366	0.5	--
1 st Floor	--	Gymnasium	3034366	0.7	--
1 st Floor	Room 40N	NA (Blank)	3048732	0.2	--
1 st Floor	Room 42N	NA (Blank)	3034295	0.1	--
1 st Floor	Room 42N	NA (Blank)	3048688	0.1	--

The concentrations of radon in the samples ranged from 0.3 pCi/L to 1.0 pCi/L. All samples were below the USEPA action level of 4.0 pCi/L. The “blank” and “duplicate” analyses were acceptable. The RPD was not calculated, since in the “duplicate” pair, both results were below the 4.0 pCi/L standard, as adjusted for the canister error rate. Sampling chain-of-custodies and laboratory reports are attached as Appendix D.

4.0 CONCLUSION

During the course of the initial post construction radon evaluation in the Frank T. Wheeler Elementary School fifty-one (51) sampling canisters, including “duplicates” and “blanks,” were placed at all frequently occupied ground contact rooms. Sampling complied with all Connecticut Department of Public Health and USEPA requirements. The RPD was not calculated since in the “duplicate” pair, both results were below the 4.0 pCi/L standard, as adjusted for the canister error rate. The “blank” sampling canister did not exceed a level that would question the validity of the radon measurement study.

The average outdoor radon concentration as studied by the USEPA is 0.4 pCi/L and the average indoor concentration is 1.3 pCi/L. The USEPA has a recommended action guideline of 4.0 pCi/L and recommends taking further action (fixing the problem) if the results are over 4.0 pCi/L. The results for Frank T. Wheeler Elementary School were all below the USEPA action level.

Notification of the results has been made to the State of Connecticut Department of Public Health and a copy of the State Notification Form is attached in Appendix B of this report.

APPENDIX A

NOTIFICATION LETTER TO PARENTS AND STAFF

Date: 11/4/2022

School: Plainville Community School District

Address: 47 Robert Holcomb Way Plainville CT 06062

Dear Parents and Staff:

The administration of Plainville Community Schools would like to notify you that radon testing will be conducted at all schools in the district. According to Connecticut General Statute Sec. 10-220(d), all public schools must inspect and evaluate the indoor air quality in school buildings every five years. This required inspection and re-evaluation of indoor air quality includes evaluation of radon gas.

The purpose of the re-evaluation of indoor air quality is to determine if air quality has changed in the past five years.

Eagle Environmental, Inc. will conduct the five-year radon re-evaluation of the school buildings. To re-evaluate buildings for radon in air, a limited number of locations are selected. Small test devices containing charcoal will be placed in ten percent of the occupied rooms that are in contact with the ground. (In addition, devices will be placed in all previously mitigated rooms. That is, rooms where radon was reduced by the installation of a radon mitigation system.) Radon test devices are safe and do not cause any adverse health effects. These devices will be left in place for two to three school days.

The school administration will keep radon test reports on file and inform you of test results and interpretations when all testing has been completed. If elevated levels of radon are found, steps will be taken to reduce radon levels below the United States Environmental Protection Agency action level of 4.0 pCi/L.

If you have any concerns regarding radon testing, please feel free to contact your school's radon testing professional or the State of Connecticut Department of Public Health Radon Program at (860) 509-7367 or visit the website:

https://portal.ct.gov/-/media/Departments-and-Agencies/DPH/dph/environmental_health/radon/2021/EPA_School-Pamphlet.pdf

Sincerely,

Superintendent of Schools

APPENDIX B

**STATE OF CONNECTICUT DEPARTMENT OF PUBLIC HEALTH
SCHOOL RADON RE-EVALUATION REPORT FORM**



STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH
RADON PROGRAM

INITIAL SCHOOL RADON MEASUREMENT REPORT FORM

January 2021

The following form must be submitted to the Connecticut Department of Public Health Radon Program within ten (10) business days of providing a final written report of radon measurement activities to school personnel. **Do not send test results or other documents.** Submit only one signed form by **mail, fax OR email (preferred)** to the Radon Program at:

CT Department of Public Health Radon Program
410 Capitol Avenue MS#12RAD
Hartford, CT 06134-0308
Fax: 860-509-7295
Email: DPH.RadonReports@ct.gov

Name of School: Frank T. Wheeler Elementary School

Address: 15 Cleveland Memorial Drive
(Street, town, zip code) Plainville, CT 06062

Measurement Company: Eagle Environmental Inc.

Please provide the following summary information:

Testing Dates: January 9, 2023 - January 11, 2023
(deployment & retrieval. Include confirmatory testing dates if necessary)

Total # of Rooms Tested: 43

Total # of Rooms Requiring Re-Testing: 0

Total # of Rooms Where Average Results were at or above 4.0 pCi/L: 0

Radon measurement activities were performed at the location above in accordance with United States Environmental Protection Agency protocols and the Connecticut Department of Public Health Radon Program's *School Radon Testing Guidance*.

Jason Eberhard / NRPP # 111005
Measurement Professional / NRPP/NRSB #

Jason Eberhard
Signature

2/15/2023
Date

Michael Smith
School Designee / Title

Michael Smith
Signature

2/14/23
Date



Phone: (860) 509-7300
Telephone Device for the Deaf (860) 509-7191
450 Capitol Avenue - MS # 51RAD
P.O. Box 340308 Hartford, CT 06134
An Equal Opportunity Employer

APPENDIX C

SPIKE SAMPLE RESULTS AND CHAIN-OF-CUSTODY FORMS

Radon Testing Corp. of America
2 Hayes Street, Elmsford, NY 10523, Phone: (914)345-3380

Radon Testing Summary Sheet
Please fill out all pertinent information legibly

Send Results Report to:

Contact: bleblanc@eagleenviro.com, vfarukas@eagleenviro.com

Company/Agency/Board of Ed: Eagle Environmental

Address: 8 South Main Street, Suite 3

City: Tarryville State: CT Zip: _____

Phone: 860-509-8257 Fax: _____

Email: _____

Test Location Information:

School District: First Class Realty School Code #: _____

County: _____ Municipality: _____

Building/School Name: The Front Street Building

Address: 21 Front Street

City: Bristol State: CT Zip: _____

Placed by ID#: JE Retrieved by ID#: JE

Start Date: 12/5/22 Stop Date: 12/7/22

Time zone: _____ Total # of detectors for this building: 3

PLEASE CIRCLE APPROPRIATE CONDITIONS

Building Type: Day Care-(D) Residential-(R) Non-Residential-(N)
School-(S) Public School-(P) Unknown-(U)

Structural Type of Building: Basement-(B) CrawlSpace-(C) Slab-on-grade-(S)
Other-(O) Unknown-(U)

Purpose of Test: Screening-(S) Real Estate-(R) Post Mitigation-(POM)

Test Conditions: Open House-(OH) Closed House-(CH) Rainy-(RA)
Windy-(WY) Unknown-(NO)

Instructions: Tear off center bar coded label from detector and affix to sheet in spaces provided. Please make sure top bar code label is left on detector. Record start & stop time, identify test location and indicate if QA measurement for each detector. Use additional sheets as necessary. Please mark clearly if any detector is missing or damaged at retrieval.

Bar Code Label

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM 3033217



Start Time: 12/5/22 11:24 Stop Time: 12/7/22 11:24

Room # or other identifier: Basement Room 1 Left Floor: B

Please circle if QA Measurement: Blank Duplicate

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM 3033173



Start Time: JE 12/5/22 11:24 Stop Time: 12/7/22 11:24

Room # or other identifier: Basement Room 1 - Center Floor: B

Please circle if QA Measurement: Blank Duplicate

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM 3033212



Start Time: 12/5/22 11:24 Stop Time: 12/7/22 11:24 JE

Room # or other identifier: Basement Room 1 - Right Floor: B

Please circle if QA Measurement: Blank Duplicate

Start Time: _____ Stop Time: _____

Room # or other identifier: _____ Floor: _____

Please circle if QA Measurement: Blank Duplicate

Start Time: _____ Stop Time: _____

Room # or other identifier: _____ Floor: _____

Please circle if QA Measurement: Blank Duplicate

Start Time: _____ Stop Time: _____

Room # or other identifier: _____ Floor: _____

Please circle if QA Measurement: Blank Duplicate

EXPOSURE IN BOWSER-MORNER RADON CHAMBER

CLIENT Eagle Environmental, Inc. Job Number 208079

NOMINAL Conditions: Radon Conc 37.3 pCi/L Rel. Hum 49.7 % Temp. 69.6 F

Date Start: 12/15/22 Date Stop: 12/17/22 Date Start: _____ Date Stop: _____

Time Start: 11:24 Time Stop: 11:24 Time Start: _____ Time Stop: _____

Device No.'s: 3033173, Device No.'s: _____

3033212, 3033217 _____

Date Start: _____ Date Stop: _____ Date Start: _____ Date Stop: _____

Time Start: _____ Time Stop: _____ Time Start: _____ Time Stop: _____

Device No.'s: _____ Device No.'s: _____

Date Start: _____ Date Stop: _____ Date Start: _____ Date Stop: _____

Time Start: _____ Time Stop: _____ Time Start: _____ Time Stop: _____

Device No.'s: _____ Device No.'s: _____

**Note: All times are in 24-hour (military) notation, Eastern Standard Time (EST)
Background = 7 μ R/h Elevation = 820 ft**

Site Radon Inspection Report

Date : 12/12/2022

Ms. Brandy LeBlanc-Christen
EAGLE ENVIRONMENTAL
8 South Main Street
Suite 3
Terryville, CT 06786-

Client: The Front Street Bldg.
Test Location: 21 Front Street
Bristol, CT

Individual Canister Results

Canister ID# :	3033173	Test Start :	12/05/2022 @ 11:24
Canister Type :	Charcoal Canister 3 inch	Test Stop :	12/07/2022 @ 11:24
Location :	Bsmt=Ctr Rm 1	Received:	12/12/2022 @ 14:29
Radon Level :	31.3 pCi/L	Analyzed:	12/12/2022 @ 16:18
Error for Measurement is: ±	0.9 pCi/L		

Canister ID# :	3033217	Test Start :	12/05/2022 @ 11:24
Canister Type :	Charcoal Canister 3 inch	Test Stop :	12/07/2022 @ 11:24
Location :	Bsmt=Left Rm 1	Received:	12/12/2022 @ 14:29
Radon Level :	36.5 pCi/L	Analyzed:	12/12/2022 @ 16:18
Error for Measurement is: ±	1.0 pCi/L		

Canister ID# :	3033212	Test Start :	12/05/2022 @ 11:24
Canister Type :	Charcoal Canister 3 inch	Test Stop :	12/07/2022 @ 11:24
Location :	Bsmt=Right Rm 1	Received:	12/12/2022 @ 14:29
Radon Level :	42.9 pCi/L	Analyzed:	12/12/2022 @ 16:18
Error for Measurement is: ±	1.1 pCi/L		

The results indicate that at least one testing device registered at or above the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends mitigation if the average of two short-term tests taken in the lowest level of the building suitable for occupancy show radon levels that are equal to or greater than 4.0 pCi/L.

For information on how to reduce radon levels in your home, please review the EPA booklet: Consumer's Guide to Radon Reduction (www.epa.gov/radon/pdfs/consguid.pdf) and contact your state health department. The EPA maintains a radon information website, including copies of its publications, at www.epa.gov/iaq/radon.

For New Jersey clients: Please see the attached guidance document entitled Radon Testing and Mitigation: The Basics for further information.

For New York clients: If the radon level of one or more testing devices is equal to or exceeds 20 pCi/L please contact the New York State Department of Health, Bureau of Environmental Radiation Protection, for technical advice and assistance at 518-402-7556 or toll free 1-800-458-1158.



Andreas C. George
Radon Measurement Specialist
NJ MES 11089

Dante Galan
Laboratory Director

NRSB ARL0001
NYS ELAP ID: 10806
PADEP ID: 0346
NJDEP ID: NY933
NJ MEB 90036
FL DOH RB1609
IL RNL2000201

Site Radon Inspection Report

Date : 12/12/2022

Ms. Brandy LeBlanc-Christen
EAGLE ENVIRONMENTAL
8 South Main Street
Suite 3
Terryville, CT 06786-

Client: The Front Street Bldg.
Test Location: 21 Front Street
Bristol, CT

Individual Canister Results

PLEDGE OF ASSURED QUALITY

All procedures used for generating this report are in complete accordance with the current EPA protocols for the analysis of radon in air (EPA 402-R-92-004). The analytical results relate only to the samples tested, in the condition received by the lab, and that calculations were based upon the information supplied by client. RTCA and its personnel do not assume responsibility or liability, collectively and individually, for analysis results when detectors have been improperly handled or placed by the consumer, nor does RTCA and its personnel accept responsibility for any financial or health consequences of subsequent action or lack of action, taken by the customer or its consultants based on RTCA-provided results.



Andreas C. George

Andreas C. George
Radon Measurement Specialist
NJ MES 11089

Dante Galan

Dante Galan
Laboratory Director

NRSB ARL0001
NYS ELAP ID: 10806
PADEP ID: 0346
NJDEP ID: NY933
NJ MEB 90036
FL DOH RB1609
IL RNL2000201

APPENDIX D

LABORATORY RESULTS AND CHAIN-OF-CUSTODY FORMS

Radon Testing Corp. of America
2 Hayes Street, Elmsford, NY 10523, Phone: (914)345-3380

Radon Testing Summary Sheet
Please fill out all pertinent information legibly

Send Results Report to:

Contact: Brandy Christen

Company/Agency/Board of Ed: Eagle Environmental Inc.

Address: 8 South Main Street Unit #3

City: Terryville State: CT Zip: 06786

Phone: 860-589-8257 Fax: _____

Email: bleblanc@eagleenviro.com

Test Location Information:

School District: Plainville Community School School Code #: _____

County: _____ Municipality: _____

Building/School Name: Frank T. Wheeler Elementary School

Address: 15 Cleveland Memorial Drive.

City: Plainville State: CT Zip: 06062

Placed by ID#: EK Retrieved by ID#: EK

Start Date: 1/9/23 Stop Date: 1/11/23

Total # of detectors for this building: _____

PLEASE CIRCLE APPROPRIATE CONDITIONS

Building Type: Day Care-(D) Residential-(R) Non-Residential-(N)
School-(S) Public School-(P) Unknown-(U)

Structural Type of Building: Basement-(B) Crawlspace-(C) Slab-on-grade-(S)
Other-(O) Unknown-(U)

Purpose of Test: Standard-(S) Real Estate-(R) Duplicate-(DP) Blank-(BL)
Post Mitigation-(POM)

Test Conditions: Open House-(OH) Closed House-(CH) Rainy-(RA)
Windy-(WY) Unknown-(NO)

Instructions: Tear off center bar coded label from detector and affix to sheet in spaces provided. Please make sure top bar code label is left on detector. Record start & stop time, identify test location and indicate if QA measurement for each detector. Use additional sheets as necessary. Please mark clearly if any detector is missing or damaged at retrieval.

Bar Code Label

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM
3034264



1/9/23 1/11/23
Start Time: 15:48 Stop Time: 16:15

Room # or other identifier: Rm 1E shelf Floor: 1

Please circle if QA Measurement: Blank Duplicate

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM
3034308



1/9/23 1/11/23
Start Time: 16:51 Stop Time: 16:17

Room # or other identifier: Rm 3E shelf Floor: 1

Please circle if QA Measurement: Blank Duplicate

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM
3034287



1/9/23 1/11/23
Start Time: 15:55 Stop Time: 16:18

Room # or other identifier: Rm 8E¹²⁵ counter Floor: 1

Please circle if QA Measurement: Blank Duplicate

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM
3034323



1/9/23 1/11/23
Start Time: 15:56 Stop Time: 16:19

Room # or other identifier: Rm 8E¹³ counter Floor: 1

Please circle if QA Measurement: Blank Duplicate

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM
3034250



1/9/23 1/11/23
Start Time: 15:57 Stop Time: 16:21

Room # or other identifier: 7E shelf Floor: 1

Please circle if QA Measurement: Blank Duplicate

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM
3034360



1/9/23 1/11/23
Start Time: 15:59 Stop Time: 16:23

Room # or other identifier: 9E shelf Floor: 1

Please circle if QA Measurement: Blank Duplicate

Instructions: Tear off center bar coded label from detector and affix to sheet in spaces provided. Please make sure top bar code label is left on detector. Record start & stop time, identify test location and indicate if QA measurement for each detector. Use additional sheets as necessary. Please mark clearly if any detector is missing or damaged at retrieval.

Bar Code Label

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM 3059373



1/9/23 1/11/23
Start Time: 16:04 Stop Time: 16:25
Room # or other identifier: Rm 11E shelf Floor: 1

Please circle if QA Measurement: Blank Duplicate

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM 3034347



1/9/23 1/11/23
Start Time: 16:06 Stop Time: ~~16:29~~ 16:31
Room # or other identifier: Rm 12E table Floor: 1

Please circle if QA Measurement: Blank Duplicate

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM 3059415



1/9/23 1/11/23
Start Time: 16:08 Stop Time: 16:29
Room # or other identifier: Rm 2E shelf Floor: 1

Please circle if QA Measurement: Blank Duplicate

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM 3034252



1/9/23 1/11/23
Start Time: 16:11 Stop Time: 16:33
Room # or other identifier: Rm 4E counter Floor: 1

Please circle if QA Measurement: Blank Duplicate

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM 3034278



1/9/23 1/11/23
Start Time: 16:14 Stop Time: 16:35
Room # or other identifier: Rm 6E shelf Floor: 1

Please circle if QA Measurement: Blank Duplicate

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM 3034293



1/9/23 1/11/23
Start Time: 16:16 Stop Time: 16:37
Room # or other identifier: Rm 8E shelf Floor: 1

Please circle if QA Measurement: Blank Duplicate

Instructions: Tear off center bar coded label from detector and affix to sheet in spaces provided. Please make sure top bar code label is left on detector. Record start & stop time, identify test location and indicate if QA measurement for each detector. Use additional sheets as necessary. Please mark clearly if any detector is missing or damaged at retrieval.

Bar Code Label

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM
30349410



1/9/23

1/11/23

Start Time: 16:20 Stop Time: 16:40

Room # or other identifier: Rm 10E counter Floor: 1

Please circle if QA Measurement: Blank Duplicate

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM
3034268



1/9/23

1/11/23

Start Time: 16:23 Stop Time: 16:42

Room # or other identifier: Rm 13S teachers desk Floor: 1

Please circle if QA Measurement: Blank Duplicate

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM
3034319



1/9/23

1/11/23

Start Time: 16:25 Stop Time: 16:45

Room # or other identifier: Rm 15S counter Floor: 1

Please circle if QA Measurement: Blank Duplicate

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM
3034858



1/9/23

1/11/23

Start Time: 16:27 Stop Time: 16:47

Room # or other identifier: Rm 16S shelf Floor: 1

Please circle if QA Measurement: Blank Duplicate

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM
3034868



1/9/23

1/11/23

Start Time: 16:28 Stop Time: 16:48

Room # or other identifier: Rm 16B shelf Floor: 1

Please circle if QA Measurement: Blank Duplicate

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM
3034959



1/9/23

1/11/23

Start Time: 16:31 Stop Time: 16:51

Room # or other identifier: Rm library shelf Floor: 1

Please circle if QA Measurement: Blank Duplicate

Instructions: Tear off center bar coded label from detector and affix to sheet in spaces provided. Please make sure top bar code label is left on detector. Record start & stop time, identify test location and indicate if QA measurement for each detector. Use additional sheets as necessary. Please mark clearly if any detector is missing or damaged at retrieval.

Bar Code Label

REMOVE THIS PORTION AND AFFIX
TO TEST INFORMATION FORM
3059419



1/9/23 1/11/23
Start Time: 16:36 Stop Time: 16:55

Room # or other identifier: Rm 23W shelf Floor: 1

Please circle if QA Measurement: Blank Duplicate

REMOVE THIS PORTION AND AFFIX
TO TEST INFORMATION FORM
3034318



1/9/23 1/11/23
Start Time: 16:39 Stop Time: 16:57

Room # or other identifier: Rm 25W cabinet Floor: 1

Please circle if QA Measurement: Blank Duplicate

REMOVE THIS PORTION AND AFFIX
TO TEST INFORMATION FORM
3034890



1/9/23 1/11/23
Start Time: 16:41 Stop Time: 16:59

Room # or other identifier: Rm 27W shelf Floor: 1

Please circle if QA Measurement: Blank Duplicate

REMOVE THIS PORTION AND AFFIX
TO TEST INFORMATION FORM
3059431



1/9/23 1/11/23
Start Time: 16:43 Stop Time: 17:01

Room # or other identifier: Rm 29W shelf Floor: 1

Please circle if QA Measurement: Blank Duplicate

REMOVE THIS PORTION AND AFFIX
TO TEST INFORMATION FORM
3034306



1/9/23 1/11/23
Start Time: 16:44 Stop Time: 17:02

Room # or other identifier: Rm 29W shelf Floor: 1

Please circle if QA Measurement: Blank Duplicate

REMOVE THIS PORTION AND AFFIX
TO TEST INFORMATION FORM
3034866



1/9/23 1/11/23
Start Time: 16:46 Stop Time: 17:03

Room # or other identifier: Rm 30W shelf Floor: 1

Please circle if QA Measurement: Blank Duplicate

Instructions: Tear off center bar coded label from detector and affix to sheet in spaces provided. Please make sure top bar code label is left on detector. Record start & stop time, identify test location and indicate if QA measurement for each detector. Use additional sheets as necessary. Please mark clearly if any detector is missing or damaged at retrieval.

Bar Code Label

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM
3034322



179723 1711/23
Start Time: 16:49 Stop Time: 17:05

Room # or other identifier: Rm 31W teachers desk Floor: 1

Please circle if QA Measurement: Blank Duplicate

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM
3034869



179723 1711/23
Start Time: 16:51 Stop Time: 17:06

Room # or other identifier: Rm 33W shelf Floor: 1

Please circle if QA Measurement: Blank Duplicate

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM
3034351



179723 1711/23
Start Time: 16:53 Stop Time: 17:12

Room # or other identifier: Rm Informing cabinet Floor: 1

Please circle if QA Measurement: Blank Duplicate

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM
3034294



179723 1711/23
Start Time: 16:54 Stop Time: 17:11

Room # or other identifier: Nurses Rm office counter Floor: 1

Please circle if QA Measurement: Blank Duplicate

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM
3034352



179723 1711/23
Start Time: 16:56 Stop Time: 17:13

Room # or other identifier: Rm conference room counter Floor: 1

Please circle if QA Measurement: Blank Duplicate

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM
3034311



179723 1711/23
Start Time: 16:57 Stop Time: 17:14

Room # or other identifier: Rm office vice pres counter Floor: 1

Please circle if QA Measurement: Blank Duplicate

Instructions: Tear off center bar coded label from detector and affix to sheet in spaces provided. Please make sure top bar code label is left on detector. Record start & stop time, identify test location and indicate if QA measurement for each detector. Use additional sheets as necessary. Please mark clearly if any detector is missing or damaged at retrieval.

Bar Code Label

REMOVE THIS PORTION AND AFFIX
TO TEST INFORMATION FORM
3059420



1/9/23 1/11/23
Start Time: 17:00 Stop Time: 17:15

Room # or other identifier: Work Room counter Floor: 1

Please circle if QA Measurement: Blank Duplicate

REMOVE THIS PORTION AND AFFIX
TO TEST INFORMATION FORM
3034855



1/9/23 1/11/23
Start Time: 17:02 Stop Time: 17:17

Room # or other identifier: principles office counter Floor: 1

Please circle if QA Measurement: Blank Duplicate

REMOVE THIS PORTION AND AFFIX
TO TEST INFORMATION FORM
3000670



1/9/23 1/11/23
Start Time: 17:04 Stop Time: 17:18

Room # or other identifier: Main office counter Floor: 1

Please circle if QA Measurement: Blank Duplicate

REMOVE THIS PORTION AND AFFIX
TO TEST INFORMATION FORM
3059405



1/9/23 1/11/23
Start Time: 17:07 Stop Time: 17:20

Room # or other identifier: 28w counter Floor: 1

Please circle if QA Measurement: Blank Duplicate

REMOVE THIS PORTION AND AFFIX
TO TEST INFORMATION FORM
3034857



1/9/23 1/11/23
Start Time: 17:09 Stop Time: 17:21

Room # or other identifier: 26w shelf Floor: 1

Please circle if QA Measurement: Blank Duplicate

REMOVE THIS PORTION AND AFFIX
TO TEST INFORMATION FORM
3034956



1/9/23 1/11/23
Start Time: 17:18 Stop Time: 17:23

Room # or other identifier: cafeteria storage shelf Floor: 1

Please circle if QA Measurement: Blank Duplicate

Instructions: Tear off center bar coded label from detector and affix to sheet in spaces provided. Please make sure top bar code label is left on detector. Record start & stop time, identify test location and indicate if QA measurement for each detector. Use additional sheets as necessary. Please mark clearly if any detector is missing or damaged at retrieval.

Bar Code Label

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM
3034266



Start Time: 17:22 Stop Time: 17:25

Room # or other identifier: Bar Cafeteria counter Floor: 1

Please circle if QA Measurement: Blank Duplicate

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM
3034992



Start Time: 17:23 Stop Time: 17:26

Room # or other identifier: Cafeteria counter Floor: 1

Please circle if QA Measurement: Blank Duplicate

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM
3034265



Start Time: 17:30 Stop Time: 17:32

Room # or other identifier: 185 Resource teachers Room desk Floor: 1

Please circle if QA Measurement: Blank Duplicate

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM
3034341



Start Time: 17:32 Stop Time: 17:33

Room # or other identifier: 195 Staff Room table Floor: 1

Please circle if QA Measurement: Blank Duplicate

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM
3027628



Start Time: 17:33 Stop Time: 17:34

Room # or other identifier: 191 ~~staff~~ table Floor: 1

Please circle if QA Measurement: Blank Duplicate

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM
3034298



Start Time: 17:42 Stop Time: 17:44

Room # or other identifier: 175 psychology cabinet Floor: 1

Please circle if QA Measurement: Blank Duplicate

Instructions: Tear off center bar coded label from detector and affix to sheet in spaces provided. Please make sure top bar code label is left on detector. Record start & stop time, identify test location and indicate if QA measurement for each detector. Use additional sheets as necessary. Please mark clearly if any detector is missing or damaged at retrieval.

Bar Code Label

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM 3034297



Start Time: 17:44 Stop Time: 17:46

Room # or other identifier: 205 *teacher's desk* Floor: 1

Please circle if QA Measurement: Blank Duplicate

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM 3034286



Start Time: 17:47 Stop Time: 17:50

Room # or other identifier: 225A *teacher's desk* Floor: 1

Please circle if QA Measurement: Blank Duplicate

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM 3034317



Start Time: 17:48 Stop Time: 17:48

Room # or other identifier: 222 *cabinet* Floor: 1

Please circle if QA Measurement: Blank Duplicate

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM 3034290



Start Time: 17:52 Stop Time: 17:56

Room # or other identifier: Athletic office *shelf* Floor: 1

Please circle if QA Measurement: Blank Duplicate

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM 3059366



Start Time: 17:54 Stop Time: 17:57

Room # or other identifier: gym *chair* Floor: 1

Please circle if QA Measurement: Blank Duplicate

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM 3034336



Start Time: 17:55 Stop Time: 17:58

Room # or other identifier: gym *chair* Floor: 1

Please circle if QA Measurement: Blank Duplicate

Instructions: Tear off center bar coded label from detector and affix to sheet in spaces provided. Please make sure top bar code label is left on detector. Record start & stop time, identify test location and indicate if QA measurement for each detector. Use additional sheets as necessary. Please mark clearly if any detector is missing or damaged at retrieval.

Bar Code Label
REMOVE THIS PORTION AND AFFIX
TO TEST INFORMATION FORM
3048732



11/9/23 11/11/23
Start Time: 17:58 Stop Time: 17:59

Room # or other identifier: Rm 40N shelf Floor: 1

Please circle if QA Measurement: Blank Duplicate

REMOVE THIS PORTION AND AFFIX
TO TEST INFORMATION FORM
3034295



11/9/23 11/11/23
Start Time: 18:02 Stop Time: 18:04

Room # or other identifier: Rm 40N shelf Floor: 1

Please circle if QA Measurement: Blank Duplicate

REMOVE THIS PORTION AND AFFIX
TO TEST INFORMATION FORM
3048688



11/9/23 11/11/23
Start Time: 18:06 Stop Time: 18:07

Room # or other identifier: Rm 44N counter Floor: 1

Please circle if QA Measurement: Blank Duplicate

Start Time: _____ Stop Time: _____

Room # or other identifier: _____ Floor: _____

Please circle if QA Measurement: Blank Duplicate

Start Time: _____ Stop Time: _____

Room # or other identifier: _____ Floor: _____

Please circle if QA Measurement: Blank Duplicate

Start Time: _____ Stop Time: _____

Room # or other identifier: _____ Floor: _____

Please circle if QA Measurement: Blank Duplicate

Site Radon Inspection Report

Date : 01/13/2023

Ms. Brandy Christen
EAGLE ENVIRONMENTAL
8 South Main Street
Suite 3
Terryville, CT 06786-

Client: Frank T. Wheeler E. S.
Test Location: 15 Cleveland Memorial Drive
Plainville, CT 06062-

Individual Canister Results

Canister ID# : 3034264 Test Start : 01/09/2023 @ 15:48
Canister Type : Charcoal Canister 3 inch Test Stop : 01/11/2023 @ 16:15
Location : 1st FL = Rm 1-E Received: 01/13/2023 @ 14:57
Radon Level : 0.8 pCi/L Analyzed: 01/13/2023 @ 15:09
Error for Measurement is: \pm 0.3 pCi/L

Canister ID# : 3034308 Test Start : 01/09/2023 @ 15:51
Canister Type : Charcoal Canister 3 inch Test Stop : 01/11/2023 @ 16:17
Location : 1st FL = Rm 3-E Received: 01/13/2023 @ 14:57
Radon Level : 0.5 pCi/L Analyzed: 01/13/2023 @ 15:03
Error for Measurement is: \pm 0.2 pCi/L

Canister ID# : 3034287 Test Start : 01/09/2023 @ 15:55
Canister Type : Charcoal Canister 3 inch Test Stop : 01/11/2023 @ 16:18
Location : 1st FL = Rm 5-E Received: 01/13/2023 @ 14:57
Radon Level : 0.4 pCi/L Analyzed: 01/13/2023 @ 15:09
Error for Measurement is: \pm 0.2 pCi/L

Canister ID# : 3034323 Test Start : 01/09/2023 @ 15:56
Canister Type : Charcoal Canister 3 inch Test Stop : 01/11/2023 @ 16:19
Location : 1st FL = Rm 13-E Received: 01/13/2023 @ 14:57
Radon Level : 0.5 pCi/L Analyzed: 01/13/2023 @ 15:03
Error for Measurement is: \pm 0.2 pCi/L

Canister ID# : 3034250 Test Start : 01/09/2023 @ 15:57
Canister Type : Charcoal Canister 3 inch Test Stop : 01/11/2023 @ 16:21
Location : 1st FL = Rm 7-E Received: 01/13/2023 @ 14:57
Radon Level : 0.6 pCi/L Analyzed: 01/13/2023 @ 15:09
Error for Measurement is: \pm 0.3 pCi/L

Canister ID# : 3034360 Test Start : 01/09/2023 @ 15:59
Canister Type : Charcoal Canister 3 inch Test Stop : 01/11/2023 @ 16:23
Location : 1st FL = Rm 9-E Received: 01/13/2023 @ 14:57
Radon Level : 0.5 pCi/L Analyzed: 01/13/2023 @ 15:09
Error for Measurement is: \pm 0.2 pCi/L



Andreas C. George

Andreas C. George
Radon Measurement Specialist
NJ MES 11089

Dante Galan

Dante Galan
Laboratory Director

NRSB ARL0001
NYS ELAP ID: 10806
PADEP ID: 0346
NJDEP ID: NY933
NJ MEB 90036
FL DOH RB1609
IL RNL2000201

Site Radon Inspection Report

Date : 01/13/2023

Ms. Brandy Christen
EAGLE ENVIRONMENTAL
8 South Main Street
Suite 3
Terryville, CT 06786-

Client: Frank T. Wheeler E. S.
Test Location: 15 Cleveland Memorial Drive
Plainville, CT 06062-

Individual Canister Results

Canister ID# : 3059373 Test Start : 01/09/2023 @ 16:04
Canister Type : Charcoal Canister 3 inch Test Stop : 01/11/2023 @ 16:25
Location : 1st FL = Rm 11-E Received: 01/13/2023 @ 14:57
Radon Level : 0.7 pCi/L Analyzed: 01/13/2023 @ 15:09
Error for Measurement is: \pm 0.3 pCi/L

Canister ID# : 3034347 Test Start : 01/09/2023 @ 16:06
Canister Type : Charcoal Canister 3 inch Test Stop : 01/11/2023 @ 16:31
Location : 1st FL = Rm 12-E Received: 01/13/2023 @ 14:57
Radon Level : 0.9 pCi/L Analyzed: 01/13/2023 @ 15:09
Error for Measurement is: \pm 0.2 pCi/L

Canister ID# : 3059415 Test Start : 01/09/2023 @ 16:08
Canister Type : Charcoal Canister 3 inch Test Stop : 01/11/2023 @ 16:29
Location : 1st FL = Rm 2-E Received: 01/13/2023 @ 14:57
Radon Level : 1.0 pCi/L Analyzed: 01/13/2023 @ 15:09
Error for Measurement is: \pm 0.3 pCi/L

Canister ID# : 3034252 Test Start : 01/09/2023 @ 16:11
Canister Type : Charcoal Canister 3 inch Test Stop : 01/11/2023 @ 16:33
Location : 1st FL = Rm 4-E Received: 01/13/2023 @ 14:57
Radon Level : 0.6 pCi/L Analyzed: 01/13/2023 @ 15:03
Error for Measurement is: \pm 0.2 pCi/L

Canister ID# : 3034278 Test Start : 01/09/2023 @ 16:14
Canister Type : Charcoal Canister 3 inch Test Stop : 01/11/2023 @ 16:35
Location : 1st FL = Rm 6-E Received: 01/13/2023 @ 14:57
Radon Level : 0.7 pCi/L Analyzed: 01/13/2023 @ 14:47
Error for Measurement is: \pm 0.2 pCi/L

Canister ID# : 3034293 Test Start : 01/09/2023 @ 16:16
Canister Type : Charcoal Canister 3 inch Test Stop : 01/11/2023 @ 16:37
Location : 1st FL = Rm 8-E Received: 01/13/2023 @ 14:57
Radon Level : 0.7 pCi/L Analyzed: 01/13/2023 @ 14:53
Error for Measurement is: \pm 0.2 pCi/L



Andreas C. George

Andreas C. George
Radon Measurement Specialist
NJ MES 11089

Dante Galan

Dante Galan
Laboratory Director

NRSB ARL0001
NYS ELAP ID: 10806
PADEP ID: 0346
NJDEP ID: NY933
NJ MEB 90036
FL DOH RB1609
IL RNL2000201

Site Radon Inspection Report

Date : 01/13/2023

Ms. Brandy Christen
EAGLE ENVIRONMENTAL
8 South Main Street
Suite 3
Terryville, CT 06786-

Client: Frank T. Wheeler E. S.
Test Location: 15 Cleveland Memorial Drive
Plainville, CT 06062-

Individual Canister Results

Canister ID# : 3059410 Test Start : 01/09/2023 @ 16:20
Canister Type : Charcoal Canister 3 inch Test Stop : 01/11/2023 @ 16:40
Location : 1st FL = Rm 10-E Received: 01/13/2023 @ 14:57
Radon Level : 0.8 pCi/L Analyzed: 01/13/2023 @ 14:27
Error for Measurement is: \pm 0.3 pCi/L

Canister ID# : 3034268 Test Start : 01/09/2023 @ 16:23
Canister Type : Charcoal Canister 3 inch Test Stop : 01/11/2023 @ 16:42
Location : 1st FL = Rm 13-S Received: 01/13/2023 @ 14:57
Radon Level : 0.7 pCi/L Analyzed: 01/13/2023 @ 15:08
Error for Measurement is: \pm 0.2 pCi/L

Canister ID# : 3034319 Test Start : 01/09/2023 @ 16:25
Canister Type : Charcoal Canister 3 inch Test Stop : 01/11/2023 @ 16:45
Location : 1st FL = Rm 15-S Received: 01/13/2023 @ 14:57
Radon Level : 0.9 pCi/L Analyzed: 01/13/2023 @ 15:08
Error for Measurement is: \pm 0.3 pCi/L

Canister ID# : 3034858 Test Start : 01/09/2023 @ 16:27
Canister Type : Charcoal Canister 3 inch Test Stop : 01/11/2023 @ 16:47
Location : 1st FL = Rm 16-S Received: 01/13/2023 @ 14:57
Radon Level : 0.7 pCi/L Analyzed: 01/13/2023 @ 14:47
Error for Measurement is: \pm 0.2 pCi/L

Canister ID# : 3034868 Test Start : 01/09/2023 @ 16:28
Canister Type : Charcoal Canister 3 inch Test Stop : 01/11/2023 @ 16:48
Location : 1st FL = Rm 16-N Received: 01/13/2023 @ 14:57
Radon Level : 0.8 pCi/L Analyzed: 01/13/2023 @ 15:08
Error for Measurement is: \pm 0.3 pCi/L

Canister ID# : 3034959 Test Start : 01/09/2023 @ 16:31
Canister Type : Charcoal Canister 3 inch Test Stop : 01/11/2023 @ 16:51
Location : 1st FL = Library Received: 01/13/2023 @ 14:57
Radon Level : 0.8 pCi/L Analyzed: 01/13/2023 @ 15:08
Error for Measurement is: \pm 0.3 pCi/L



Andreas C. George

Andreas C. George
Radon Measurement Specialist
NJ MES 11089

Dante Galan

Dante Galan
Laboratory Director

NRSB ARL0001
NYS ELAP ID: 10806
PADEP ID: 0346
NJDEP ID: NY933
NJ MEB 90036
FL DOH RB1609
IL RNL2000201

Site Radon Inspection Report

Date : 01/13/2023

Ms. Brandy Christen
EAGLE ENVIRONMENTAL
8 South Main Street
Suite 3
Terryville, CT 06786-

Client: Frank T. Wheeler E. S.
Test Location: 15 Cleveland Memorial Drive
Plainville, CT 06062-

Individual Canister Results

Canister ID# : 3059419 Test Start : 01/09/2023 @ 16:36
Canister Type : Charcoal Canister 3 inch Test Stop : 01/11/2023 @ 16:55
Location : 1st FL = Rm 23-W Received: 01/13/2023 @ 14:57
Radon Level : 0.6 pCi/L Analyzed: 01/13/2023 @ 14:27
Error for Measurement is: ± 0.3 pCi/L

Canister ID# : 3034318 Test Start : 01/09/2023 @ 16:39
Canister Type : Charcoal Canister 3 inch Test Stop : 01/11/2023 @ 16:57
Location : 1st FL = Rm 25-W Received: 01/13/2023 @ 14:57
Radon Level : 0.9 pCi/L Analyzed: 01/13/2023 @ 14:27
Error for Measurement is: ± 0.2 pCi/L

Canister ID# : 3034890 Test Start : 01/09/2023 @ 16:41
Canister Type : Charcoal Canister 3 inch Test Stop : 01/11/2023 @ 16:59
Location : 1st FL = Rm 27-W Received: 01/13/2023 @ 14:57
Radon Level : 0.5 pCi/L Analyzed: 01/13/2023 @ 14:32
Error for Measurement is: ± 0.2 pCi/L

Canister ID# : 3059431 Test Start : 01/09/2023 @ 16:43
Canister Type : Charcoal Canister 3 inch Test Stop : 01/11/2023 @ 17:01
Location : 1st FL = Rm 29-W Received: 01/13/2023 @ 14:57
Radon Level : 0.8 pCi/L Analyzed: 01/13/2023 @ 14:48
Error for Measurement is: ± 0.3 pCi/L

Canister ID# : 3034306 Test Start : 01/09/2023 @ 16:44
Canister Type : Charcoal Canister 3 inch Test Stop : 01/11/2023 @ 17:02
Location : 1st FL = Rm 29-N Received: 01/13/2023 @ 14:57
Radon Level : 0.5 pCi/L Analyzed: 01/13/2023 @ 14:07
Error for Measurement is: ± 0.2 pCi/L

Canister ID# : 3034866 Test Start : 01/09/2023 @ 16:46
Canister Type : Charcoal Canister 3 inch Test Stop : 01/11/2023 @ 17:03
Location : 1st FL = Rm 30-W Received: 01/13/2023 @ 14:57
Radon Level : 0.5 pCi/L Analyzed: 01/13/2023 @ 14:26
Error for Measurement is: ± 0.2 pCi/L



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PADEP ID: 0346
NJDEP ID: NY933
NJ MEB 90036
FL DOH RB1609
IL RNL2000201



Site Radon Inspection Report

Date : 01/13/2023

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EAGLE ENVIRONMENTAL
8 South Main Street
Suite 3
Terryville, CT 06786-

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Test Location: 15 Cleveland Memorial Drive
Plainville, CT 06062-

Individual Canister Results

Canister ID# : 3034322
Canister Type : Charcoal Canister 3 inch
Location : 1st FL = Rm 31-W
Radon Level : 0.5 pCi/L
Error for Measurement is: \pm 0.2 pCi/L
Test Start : 01/09/2023 @ 16:49
Test Stop : 01/11/2023 @ 17:05
Received: 01/13/2023 @ 14:57
Analyzed: 01/13/2023 @ 14:26

Canister ID# : 3034869
Canister Type : Charcoal Canister 3 inch
Location : 1st FL = Rm 33-W
Radon Level : 0.5 pCi/L
Error for Measurement is: \pm 0.3 pCi/L
Test Start : 01/09/2023 @ 16:51
Test Stop : 01/11/2023 @ 17:06
Received: 01/13/2023 @ 14:57
Analyzed: 01/13/2023 @ 14:32

Canister ID# : 3034351
Canister Type : Charcoal Canister 3 inch
Location : 1st FL = Infirmary
Radon Level : 0.6 pCi/L
Error for Measurement is: \pm 0.3 pCi/L
Test Start : 01/09/2023 @ 16:53
Test Stop : 01/11/2023 @ 17:12
Received: 01/13/2023 @ 14:57
Analyzed: 01/13/2023 @ 14:48

Canister ID# : 3034294
Canister Type : Charcoal Canister 3 inch
Location : 1st FL = Nurse's Off.
Radon Level : 0.7 pCi/L
Error for Measurement is: \pm 0.2 pCi/L
Test Start : 01/09/2023 @ 16:54
Test Stop : 01/11/2023 @ 17:11
Received: 01/13/2023 @ 14:57
Analyzed: 01/13/2023 @ 14:47

Canister ID# : 3034352
Canister Type : Charcoal Canister 3 inch
Location : 1st FL = Conf. Rm
Radon Level : 0.3 pCi/L
Error for Measurement is: \pm 0.2 pCi/L
Test Start : 01/09/2023 @ 16:56
Test Stop : 01/11/2023 @ 17:13
Received: 01/13/2023 @ 14:57
Analyzed: 01/13/2023 @ 14:32

Canister ID# : 3034311
Canister Type : Charcoal Canister 3 inch
Location : 1st FL = V.P. Off.
Radon Level : 0.4 pCi/L
Error for Measurement is: \pm 0.2 pCi/L
Test Start : 01/09/2023 @ 16:57
Test Stop : 01/11/2023 @ 17:14
Received: 01/13/2023 @ 14:57
Analyzed: 01/13/2023 @ 14:07



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Test Location: 15 Cleveland Memorial Drive
Plainville, CT 06062-

Individual Canister Results

Canister ID# : 3059420
Canister Type : Charcoal Canister 3 inch
Location : 1st FL = Work Rm
Radon Level : 0.5 pCi/L
Error for Measurement is: \pm 0.2 pCi/L
Test Start : 01/09/2023 @ 17:00
Test Stop : 01/11/2023 @ 17:15
Received: 01/13/2023 @ 14:57
Analyzed: 01/13/2023 @ 14:53

Canister ID# : 3034855
Canister Type : Charcoal Canister 3 inch
Location : 1st FL = Principal's Off.
Radon Level : 0.4 pCi/L
Error for Measurement is: \pm 0.2 pCi/L
Test Start : 01/09/2023 @ 17:02
Test Stop : 01/11/2023 @ 17:17
Received: 01/13/2023 @ 14:57
Analyzed: 01/13/2023 @ 14:47

Canister ID# : 3000670
Canister Type : Charcoal Canister 3 inch
Location : 1st FL = Main Off.
Radon Level : 0.3 pCi/L
Error for Measurement is: \pm 0.3 pCi/L
Test Start : 01/09/2023 @ 17:04
Test Stop : 01/11/2023 @ 17:18
Received: 01/13/2023 @ 14:57
Analyzed: 01/13/2023 @ 14:44

Canister ID# : 3059405
Canister Type : Charcoal Canister 3 inch
Location : 1st FL = Rm 28-W
Radon Level : 0.9 pCi/L
Error for Measurement is: \pm 0.3 pCi/L
Test Start : 01/09/2023 @ 17:07
Test Stop : 01/11/2023 @ 17:20
Received: 01/13/2023 @ 14:57
Analyzed: 01/13/2023 @ 14:53

Canister ID# : 3034857
Canister Type : Charcoal Canister 3 inch
Location : 1st FL = Rm 26-W
Radon Level : 0.9 pCi/L
Error for Measurement is: \pm 0.2 pCi/L
Test Start : 01/09/2023 @ 17:09
Test Stop : 01/11/2023 @ 17:21
Received: 01/13/2023 @ 14:57
Analyzed: 01/13/2023 @ 14:47

Canister ID# : 3034956
Canister Type : Charcoal Canister 3 inch
Location : 1st FL = Caf. Storage
Radon Level : 0.8 pCi/L
Error for Measurement is: \pm 0.3 pCi/L
Test Start : 01/09/2023 @ 17:18
Test Stop : 01/11/2023 @ 17:23
Received: 01/13/2023 @ 14:57
Analyzed: 01/13/2023 @ 14:44



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Site Radon Inspection Report

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Individual Canister Results

Canister ID# : 3034266 Test Start : 01/09/2023 @ 17:22
Canister Type : Charcoal Canister 3 inch Test Stop : 01/11/2023 @ 17:25
Location : 1st FL = Cafeteria Received: 01/13/2023 @ 14:57
Radon Level : 0.8 pCi/L Analyzed: 01/13/2023 @ 15:03
Error for Measurement is: \pm 0.2 pCi/L

Canister ID# : 3034992 Test Start : 01/09/2023 @ 17:23
Canister Type : Charcoal Canister 3 inch Test Stop : 01/11/2023 @ 17:26
Location : 1st FL = Cafeteria Received: 01/13/2023 @ 14:57
Radon Level : 0.6 pCi/L Analyzed: 01/13/2023 @ 14:27
Error for Measurement is: \pm 0.2 pCi/L

Canister ID# : 3034265 Test Start : 01/09/2023 @ 17:30
Canister Type : Charcoal Canister 3 inch Test Stop : 01/11/2023 @ 17:32
Location : 1st FL=18-S Resource Received: 01/13/2023 @ 14:57
Radon Level : 0.6 pCi/L Analyzed: 01/13/2023 @ 14:53
Error for Measurement is: \pm 0.3 pCi/L

Canister ID# : 3034341 Test Start : 01/09/2023 @ 17:32
Canister Type : Charcoal Canister 3 inch Test Stop : 01/11/2023 @ 17:33
Location : 1st FL=19-S Staff Rm Received: 01/13/2023 @ 14:57
Radon Level : 1.0 pCi/L Analyzed: 01/13/2023 @ 14:43
Error for Measurement is: \pm 0.3 pCi/L

Canister ID# : 3027628 Test Start : 01/09/2023 @ 17:33
Canister Type : Charcoal Canister 3 inch Test Stop : 01/11/2023 @ 17:34
Location : 1st FL = Rm 19-N Received: 01/13/2023 @ 14:57
Radon Level : 0.4 pCi/L Analyzed: 01/13/2023 @ 14:07
Error for Measurement is: \pm 0.2 pCi/L

Canister ID# : 3034298 Test Start : 01/09/2023 @ 17:42
Canister Type : Charcoal Canister 3 inch Test Stop : 01/11/2023 @ 17:44
Location : 1st FL = Rm 17-S Psychology Received: 01/13/2023 @ 14:57
Radon Level : 0.5 pCi/L Analyzed: 01/13/2023 @ 15:09
Error for Measurement is: \pm 0.2 pCi/L



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Individual Canister Results

Canister ID# : 3034297 Test Start : 01/09/2023 @ 17:44
Canister Type : Charcoal Canister 3 inch Test Stop : 01/11/2023 @ 17:46
Location : 1st FL = Rm 20-S Received: 01/13/2023 @ 14:57
Radon Level : 0.6 pCi/L Analyzed: 01/13/2023 @ 14:47
Error for Measurement is: ± 0.3 pCi/L

Canister ID# : 3034286 Test Start : 01/09/2023 @ 17:47
Canister Type : Charcoal Canister 3 inch Test Stop : 01/11/2023 @ 17:50
Location : 1st FL = Rm 225-A Received: 01/13/2023 @ 14:57
Radon Level : 0.3 pCi/L Analyzed: 01/13/2023 @ 14:26
Error for Measurement is: ± 0.2 pCi/L

Canister ID# : 3034317 Test Start : 01/09/2023 @ 17:48
Canister Type : Charcoal Canister 3 inch Test Stop : 01/11/2023 @ 17:48
Location : 1st FL = Rm 222 Received: 01/13/2023 @ 14:57
Radon Level : 0.4 pCi/L Analyzed: 01/13/2023 @ 14:48
Error for Measurement is: ± 0.2 pCi/L

Canister ID# : 3034290 Test Start : 01/09/2023 @ 17:52
Canister Type : Charcoal Canister 3 inch Test Stop : 01/11/2023 @ 17:56
Location : 1st FL=Athletic Off. Received: 01/13/2023 @ 14:57
Radon Level : 0.6 pCi/L Analyzed: 01/13/2023 @ 14:48
Error for Measurement is: ± 0.3 pCi/L

Canister ID# : 3059366 Test Start : 01/09/2023 @ 17:54
Canister Type : Charcoal Canister 3 inch Test Stop : 01/11/2023 @ 17:57
Location : 1st FL = Gym Received: 01/13/2023 @ 14:57
Radon Level : 0.5 pCi/L Analyzed: 01/13/2023 @ 14:47
Error for Measurement is: ± 0.3 pCi/L

Canister ID# : 3034336 Test Start : 01/09/2023 @ 17:55
Canister Type : Charcoal Canister 3 inch Test Stop : 01/11/2023 @ 17:58
Location : 1st FL = Gym Received: 01/13/2023 @ 14:57
Radon Level : 0.7 pCi/L Analyzed: 01/13/2023 @ 14:47
Error for Measurement is: ± 0.2 pCi/L



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Individual Canister Results

Canister ID# :	3048732	Test Start :	01/09/2023 @ 17:58
Canister Type :	Charcoal Canister 3 inch	Test Stop :	01/11/2023 @ 17:59
Location :	1st FL = Rm 40-N	Received:	01/13/2023 @ 14:57
Radon Level :	0.2 pCi/L	Analyzed:	01/13/2023 @ 14:32
Error for Measurement is:	± 0.2 pCi/L		

Canister ID# :	3034295	Test Start :	01/09/2023 @ 18:02
Canister Type :	Charcoal Canister 3 inch	Test Stop :	01/11/2023 @ 18:04
Location :	1st FL = Rm 42-N	Received:	01/13/2023 @ 14:57
Radon Level :	0.1 pCi/L	Analyzed:	01/13/2023 @ 14:07
Error for Measurement is:	± 0.4 pCi/L		

Canister ID# :	3048688	Test Start :	01/09/2023 @ 18:06
Canister Type :	Charcoal Canister 3 inch	Test Stop :	01/11/2023 @ 18:07
Location :	1st FL = Rm 44-N	Received:	01/13/2023 @ 14:57
Radon Level :	0.1 pCi/L	Analyzed:	01/13/2023 @ 14:26
Error for Measurement is:	± 0.5 pCi/L		

The reported results indicate that radon levels in the building tested are below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends retesting if your living patterns change and you begin occupying a lower level of the building, such as a basement or if major remodeling is done.

General radon information may be obtained by consulting the EPA booklet: A Citizen's Guide to Radon (www.epa.gov/radon/pubs/citguide.html). To request a copy or for further information, please contact your state health department. The EPA maintains a radon information website, including copies of its publications, at www.epa.gov/iaq/radon.

For New Jersey clients: Please see the attached guidance document entitled Radon Testing and Mitigation: The Basics for further information.

For New York clients: If the radon level of one or more testing devices is equal to or exceeds 20 pCi/L please contact the New York State Department of Health, Bureau of Environmental Radiation Protection, for technical advice and assistance at 518-402-7556 or toll free 1-800-458-1158.



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Individual Canister Results

PLEDGE OF ASSURED QUALITY

All procedures used for generating this report are in complete accordance with the current EPA protocols for the analysis of radon in air (EPA 402-R-92-004). The analytical results relate only to the samples tested, in the condition received by the lab, and that calculations were based upon the information supplied by client. RTCA and its personnel do not assume responsibility or liability, collectively and individually, for analysis results when detectors have been improperly handled or placed by the consumer, nor does RTCA and its personnel accept responsibility for any financial or health consequences of subsequent action or lack of action, taken by the customer or its consultants based on RTCA-provided results.



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APPENDIX E

EAGLE ENVIRONMENTAL, INC. CERTIFICATES



Jason Eberhard



Has satisfactorily fulfilled the requirements set forth by the
National Radon Proficiency Program and is therefore certified as a:

Radon Measurement Professional

with Standard Services

NRPP ID 111005-RMP

Issued On: 2021-12-08 Expires: 2023-12-31

Valid for specific activities or
measurement devices, which can be
verified with NRPP. State and local
agencies may have additional
requirements.



In witness Whereof,
I have subscribed my name as a
Representative of NRPP

Christina Johnson

Christina Johnson
NRPP Credentialing Manager

APPENDIX F
LABORATORY CERTIFICATES

THE NATIONAL RADON SAFETY BOARD

Certified Radon Professionals

Certifies that

Radon testing Corporation of America, Inc. (RTCA)

2 Hayes Street, Elmsford, NY 10523

Has Successfully Met The Established & Published Requirements for Accreditation
by The National Radon Safety Board as an

Accredited Radon Laboratory

ARL0001

Certification Number

11/30/2023

Expiration Date



Kehaulani Kekoa
Certification Coordinator

National Radon Safety Board
NRSB
Certified Radon Professionals

This certificate is the property of The National Radon Safety Board