

Sent via electronic mail: aneta.mistak@d214.org

Ms. Aneta Mistak
Assistant Director of Operations
Township High School District 214
2121 S. Goebbert Road
Arlington Heights, IL 60005

Re: Radon Testing – Forest View Education Center and Onsite Day Care

Dear Ms. Mistak:

Date February 7, 2024

In January 2013, the Illinois Emergency Management Agency (IEMA) enacted new legislation regarding the testing of licensed Day Care Centers and Day Care Homes for Radon. The legislation requires retesting every three (3) years. Signed into law on January 1, 2010, Public Act 96-0417 recommends, requires and/or authorizes the following action with regard to radon and schools in Illinois:

1. Recommends all Illinois school districts test their school buildings every five years.
2. Requires Illinois schools that do test for radon to report the results to the State Board of Education. The State Board of Education will then report radon test data bi-annually to the General Assembly. This data will be made public.

Ramboll
333 W. Wacker Drive
Suite 1050
Chicago, IL 60606
USA

T + 1 312 288 3800
<https://ramboll.com>

Ref 1940105696-004

At the request of Township High School District 214 (THSD214), Ramboll Americas Engineering Services, Inc. (Ramboll) retained Radon Detection Specialists, Inc. to perform a radon survey at Forest View Education Center (FVEC), 2121 S. Goebbert Road, Arlington Heights, Illinois. The radon testing will include the high school and the onsite day care. Radon Detection Specialists are licensed by the IEMA Department of Nuclear Safety for both residential and commercial radon testing. The survey was conducted from December 4-6, 2023.

Radon is an odorless, tasteless, and colorless radioactive gas that comes from the decay of naturally occurring uranium in the soil. At FVEC, one-hundred and ninety (190) passive radon detection devices (electret ionization chambers – Eperms™) were deployed on December 4 and retrieved on December 6 for this survey. The Eperms were placed in the rooms by a State of Illinois Licensed Radon Professional.

Radon measurements were determined to be above the United States Environmental Protection Agency (USEPA) and IEMA Action Level (AL) of 4.0 picocuries per liter (pCi/L) in one location (Room C122). Four locations had invalid results. Retesting in these locations was completed from January 17-19, 2024. The original testing results and the retesting results were averaged together for a final result. Results of the retesting indicated that average radon measurements in Rooms C122 (5.4 pCi/L) were above the AL of 4.0 pCi/L. Room C122 is considered unoccupied unless occupied by someone for 4 or more hours a day. Radon was not detected above regulatory levels any areas of the building used as day cares.

Attached is the full report forwarded from Radon Detection Specialists outlining basics of radon and radon health impacts, scope of work, quality assurance plan, device results and site notes, summary, and recommendations. Radon testing completion certificates are also attached. *Please note that the certificates must be posted adjacent to the day care license until the next round of testing.*

If you have any questions regarding the above report, please do not hesitate to contact our office. Ramboll thanks you for the opportunity to be of continued service to Township High School District 214.

Sincerely,

Ramboll Americas Engineering Solutions, Inc.



Scott C. Fountain

Managing Consultant

D 312.288.3819
sfountain@ramboll.com

Reviewed and Approved by,

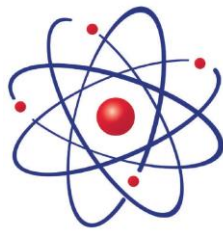


Kevin E. Aikman, Ph.D., CIH, FAIHA

Principal

D 312.288.3808
kaikman@ramboll.com

ATTACHMENT



**RADON
DETECTION
SPECIALISTS**

RADON TEST REPORT
INITIAL RADON MEASUREMENT

FACILITY NAME: FOREST VIEW HIGH SCHOOL

Test Site: 2121 S Goebbert Road
Arlington Heights, IL 60005

Report Date: December 7, 2023



Radon Detection Specialists, Inc.
825 N Cass Avenue. • Suite 310
Westmont, IL 60559
630-325-4443

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Report Prepared By: Kirsten Schmidt, NRPP018034RMP,
NRSB1355016, RNI2006214
kirstens@radondetection.net

Facility Name: Forest View High School
Test Site: 2121 S Goebbert Road
Arlington Heights, IL 60005
Test Dates: Tuesday, December 05, 2023 to Thursday, December 07, 2023

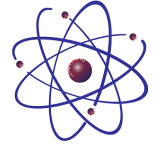
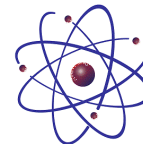


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Section 1.0 Radon Health Effects

Radon is recognized by the Environmental Protection Agency as well as the scientific and medical communities as a Class A carcinogen, accounting for 15,000 – 22,000 lung cancer deaths annually. Exposure to radon gas is the leading cause of lung cancer among non-smokers.

Radon is a naturally occurring, radioactive gas which comes from the soil. It can't be seen, smelled or tasted. The only way to know if the level of radon gas in your building exceeds the recommended Action Level of 4.0 pCi/L is to test. The Department of Nuclear Safety in Illinois requires those testing for radon in commercial buildings, schools and multi-family housing communities, as well as individual residences, to be properly licensed.

The amount of radon in the soil depends on soil chemistry, which naturally varies. Radon levels in the soil can range from a few hundred to several thousands of pCi/L (pico Curies per liter of air). The amount of radon that escapes from the soil and enters the building depends on the weather, soil porosity, soil moisture, and the suction within the building.

Radon is the leading cause of lung cancer among non-smokers.

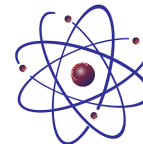
- There is no safe level of radon exposure. Any exposure causes some risk of developing cancer. The National Academy of Sciences (NAS) concluded that only cigarette smoking poses a greater risk. Exposure to radon accounts for 10% of all lung cancer deaths annually.
- As we breathe, the alpha radiation from radon and its decay products cause damage to the sensitive lung tissue. Most of the radiation dose is not actually from radon itself, but rather from radon's chain of short-lived decay products that are inhaled and lodge in the airways of the lungs. These radionuclides decay quickly, producing other radionuclides that continue damaging the lung tissue. Those particles that are retained long enough release radiation and damage the surrounding lung tissue. It is this damage that can lead to lung cancer.

What other health risks are related to radon exposure?

- No other respiratory ailments are linked to radon exposure.
- There are preliminary studies that are looking at the link between radon exposure and the development of Parkinson's and Alzheimer's disease. These are early studies, and research is on-going.



Facility Name: Forest View High School
Test Site: 2121 S Goebbert Road
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Section 2.0 Radon Testing Protocol for This Site

Pre-Deployment Testing Strategy

Measurements will be conducted in all areas of the subject building with soil contact, as well as 10% of upper level rooms calculated on a per floor basis. A minimum of 1 detector will be placed every 2000 square feet in open areas. Measurements will not be conducted in rooms that are not frequently occupied such as closets, storage rooms, restrooms, hallways, and stairwells unless the space is considered alterable for future regular use, or the measurement is taken for diagnostic purposes.

Materials and Methods

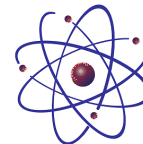
RDS will use electret ionization chambers to measure radon levels in the air in the above referenced property. The test will comply with all protocols set forth by IEMA and ANSI/AARST, as well as the RDS Quality Assurance Plan.

Duplicate measurements will be conducted for not less than 10% of the total single devices placed to measure precision. Field blanks will be deployed for not less than 5% of the total number of single measurements deployed to measure background gamma radiation. Spike tests are conducted monthly at an independent lab, at a minimum of 3% for the total number of devices deployed (annually) or at a rate of 6 spikes per calendar month, to measure accuracy. The initial voltage reading will take place not more than 24 hours prior to deployment and the final voltage of the devices will be determined within 24 hours of retrieval.

RDS will locate devices in such a way to limit unintentional interference from building occupants. A walk-through inspection of the building will allow RDS to document observations regarding radon entry mechanisms and general building pressure gradients. Measurement results will be reported in picoCuries per liter (pCi/L) of air.



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Section 3.0 Scope of Work Performed

Radon Detection Specialists performed an Initial Radon Measurement at Forest View High School, located at 2121 S Goebbert Road, in Arlington Heights, Illinois.

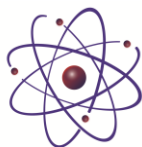
This scope of work included a 2-day (short-term) radon test. This measurement was conducted from Tuesday, December 5, 2023 to Thursday, December 7, 2023.

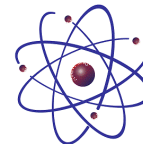
The testing was conducted in accordance with the Illinois Emergency Management Agency Department of Nuclear Safety (IEMA) and the United States Environmental Protection Agency testing protocols for commercial radon measurements, ANSI/AARST standards, the device manufacturer's recommendations, and the RDS Quality Assurance Plan.

The devices used at this facility were electret ionization chambers (Eperms™) manufactured by RadElec, Inc.

A total of 190 devices were deployed at this site in these configurations:

Measurement Type	Number of Devices
Single	161
Duplicate	17
Blank	12





Section 4.0 Site Conditions and Device Placement

Site Conditions

1. The subject building was occupied and fully-functional during this radon measurement.
2. The testing period was noted to have been unremarkable in terms of changes/repairs to the building functionality and the weather.
3. At device deployment, no access was able to be gained to the B Wing due to on-going construction. There are no results for any areas of the B Wing.
4. At device retrieval, the testing device deployed in C136B was prematurely closed and found on the floor. The results for this location are invalid.
5. At device retrieval, the testing device deployed in C118A was prematurely closed and moved from its original deployment location. The results for this location are invalid.
6. At device retrieval, the testing device deployed in A127 was prematurely closed. The results for this location are invalid.
7. At device retrieval, the Garage Door was noted to be open in E124A Maintenance. The results for this location are invalid.

Device Locations

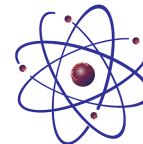
If an appropriate and accurate drawing is provided by the client and dimensional device plotting is possible, Appendix B provides a detailed drawing showing the device locations. If Appendix B is blank, please refer to the Device Placement columns provided in Appendix A (Room Use and Room Number) as an explanation of device locations.

The building was tested in accordance with IEMA and ANSI/AARST protocols with regard to device placement and analytical methods of calculating results.

1. Tampering was not detected at the time the devices were retrieved, unless noted in the Comment Column.
2. Devices were placed strategically to reduce accidental interference by building occupants.
3. Duplicates are averaged together. It is the average of the two devices upon which Follow-Up Testing and mitigation decisions should be based.



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Section 5.0 Test Location Results and Recommendations

Test Location Results Table

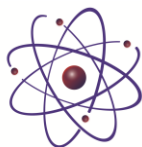
The table below lists the radon test results by location in the facility.

Because radon levels fluctuate hourly, daily, weekly, seasonally and yearly, these results should not be used to estimate radon levels of rooms that were not measured, or to estimate future radon levels of rooms that were measured.

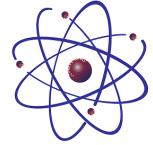
Changes to the building components (both structural and mechanical) can affect radon concentrations.

The EPA Action Level is 4.0 picoCuries per Liter (pCi/L).

Location #	Room Name/Number	Description	Results (pCi/L)
1	F106 West Wall	Area	0.2
2	F106A	Storage	0.9
3	F106 North Wall	Area	0.9
4	F106B	Storage	2.3
5	F106 East Wall	Area	2.0
6	F106 South Wall	Area	0.5
7	F108	Storage	2.4
8	F116	Storage	0.4
9	F114	Maintenance	2.0
10	F128	Maintenance	2.6
11	F122	Maintenance	0.2
12	F105	Office	1.0
13	F105B	Office	0.5
14	F105A	Office	0.5
15	F107	Area	1.6
16	F101	Room	2.4
17	F103	Storage	1.8
18	F100	Area	0.4



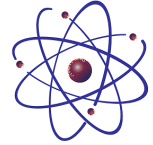
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19	D101	Area	1.1
20	D102	Area	0.9
21	D105F	Storage	0.9
22	D105	Kitchen	0.9
23	D105D	Storage	0.9
24	D105E	Office	0.9
25	D105C	Storage	2.9
26	E131	Storage	0.7
27	D109	Office	1.8
28	D106	Office	1.9
29	C122	Storage	5.9
30	C116	Office	1.0
31	C112	Classroom	1.7
32	C102	Classroom	1.3
33	C100 Rear	Area	0.7
34	C100 Front	Area	2.5
35	C107	Storage	1.0
36	C100 Back Stage	Area	0.7
37	C101B	Office	1.5
38	C113A	Storage	1.1
39	C101D	Office	0.8
40	C101C	Office	0.7
41	C101E	Office	2.2
42	C101F	Office	1.7
43	C101G	Office	0.6
44	C101	Office	1.5
45	C101A	Office	1.2
46	C117	Classroom	1.3
47	C119	Classroom	0.9
48	C127C	Office	0.5
49	C127 West	Office	2.7
50	127B	Office	0.7
51	C127A	Office	0.7
52	C127 East	Office	0.2
53	C136 South Wall	Area	1.5
54	C118 B	Storage	2.3
55	C136 B	Storage	Invalid
56	C136 North Wall	Area	2.5
57	C142	Classroom	1.6



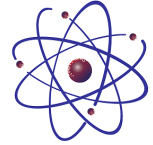
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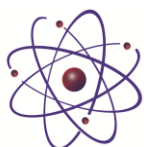
58	C142A	Storage	0.9
59	C118A	Storage	Invalid
60	C118 South Wall	Area	1.9
61	C118 West Wall	Area	1.7
62	C134	Classroom	1.1
63	C128	Classroom	1.3
64	F104	Storage	1.8
65	F102	Storage	1.2
66	D100 East Wall	Area	1.3
67	D100 West Wall	Area	0.4
68	D100 B	Storage	1.7
69	D100A	Office	0.7
70	A120	Office	1.5
71	A120V	Office	0.4
72	A120T	Office	0.9
73	A120R	Room	1.9
74	A120S	Office	0.2
75	A120Q	Office	0.1
76	A120P	Office	0.2
77	A120O	Office	0.4
78	A120M	Office	0.6
79	A120K	Office	0.2
80	A120N	Office	0.1
81	A120L	Office	0.3
82	A120I	Office	0.6
83	A120H	Office	0.4
84	A122	Room	0.6
85	A122A	Office	0.7
86	A122C	Office	0.6
87	A120G	Office	0.4
88	A120F	Office	0.1
89	A120E	Office	0.7
90	A120D	Office	0.4
91	A120C	Office	0.8
92	A120A	Office	0.5
93	A120B	Office	0.2
94	A112	Kitchen	0.4
95	A104	Room	0.1
96	A104 2nd loc	Room	1.1



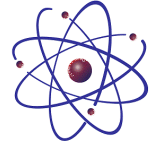
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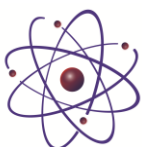
97	A104A	Office	0.9
98	A104B	Office	0.8
99	A102	Classroom	0.2
100	A100	Classroom	0.7
101	A101	Classroom	0.9
102	A103	Classroom	0.7
103	A105	Classroom	1.0
104	A107	Classroom	0.7
105	A111	Classroom	1.0
106	A113	Office	0.6
107	A117	Classroom	1.4
108	A123	Area	0.6
109	A121	Classroom	1.3
110	A121A	Office	1.7
111	A125	Classroom	0.4
112	A125A	Office	0.2
113	A127	Classroom	Invalid
114	E100	Classroom	1.5
115	E100B	Classroom	0.7
116	E100C	Storage	0.9
117	E100A	Classroom	1.3
118	E101	Classroom	0.7
119	E102	Classroom	1.4
120	E102C	Office	0.7
121	E102A	Kitchen	2.2
122	E129	Office	3.7
123	E103A	Office	2.2
124	E112	Storage	2.5
125	E129C	Office	1.4
127	E129B	Office	2.3
128	E129A	Office	0.8
129	E126	Office	1.1
130	E126E	Office	1.1
131	E126A	Office	1.1
132	E126C	Office	1.2
133	E124A	Maintenance	Invalid
134	E124	Maintenance	0.5
135	E122	Maintenance	0.9
136	E124B	Office	0.6



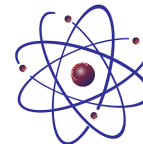
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137	E122A	Office	1.0
138	E122	Office	0.8
139	E120	Maintenance	0.8
140	E120D	Office	0.9
141	E120C	Storage	1.2
142	E126B	Office	0.6
143	E128	Room	0.7
144	E132	Office	0.2
145	E134	Office	1.0
146	E127	Storage	2.9
147	E133	Maintenance	0.8
148	E136	Maintenance	0.8
149	E136A	Storage	0.7
150	E136E	Storage	1.1
151	A211	Office	1.7
152	A219	Classroom	0.4
153	A225	Classroom	0.9
154	A230	Classroom	1.2
155	A226	Classroom	0.8
156	A212	Residence	0.4
157	A311	Classroom	0.6
158	E319	Classroom	0.7
159	A325	Classroom	0.7
160	A326	Classroom	0.4
161	A318	Classroom	0.1
162	A314	Classroom	0.2



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List of Locations with Missing Devices or Invalid Results:

Recommendation: *Perform another measurement.*

Room Name/Number	Description	Notes
A127	Classroom	Prematurely closed
C118A	Storage	Prematurely closed and moved
C136 B	Storage	Prematurely closed and on floor
E124A	Maintenance	Garage door Open
B	Wing	Under construction

It is the recommendation of this testing professional to perform another short-term test in locations with invalid or missing measurements.

List of Locations Above the Action Level

Recommendation: *Perform a Follow-Up test.*

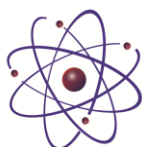
Room Name/Number	Description	Results
C122	Storage	5.9

It is the recommendation of this testing professional to perform another measurement to confirm elevated radon levels.

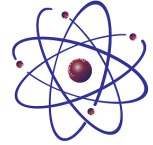
When elevated levels of an initial short-term measurement are between 4.0 pCi/L and 7.9 pCi/L, either a short-term or a long-term Follow-Up measurement is recommended. A long-term test lasts a minimum of 90 days.

When elevated levels of an initial short-term measurement are at or above 8.0 pCi/L, only a short-term Follow-Up measurement is recommended.

If the average of both short-term measurements, or the results of a single long-term measurement, confirms elevated radon levels, consultation with a licensed commercial mitigation firm will be recommended. If the results of the second short-term survey do not confirm elevated levels, long-term testing will be recommended in these locations.



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A Note about Long-Term Testing

The EPA and IEMA Action Level of 4.0 pCi/L is based on annual average exposure. As a matter of best practice in measurement, a long-term measurement is the best way to determine occupants' annual exposure because radon levels vary hourly, daily, weekly, seasonally, and over the years. Long-term testing (lasting 90 days to one year) provides a better understanding of building radon concentrations and the risks of exposure to radon.

To have a thorough understanding of occupants' risk of exposure, a long-term measurement is always recommended. This type of measurement will provide the best indication of radon concentrations and are the basis upon which mitigation decisions should be made.

Should you choose to engage in a long-term measurement as recommended, please contact us for further details.

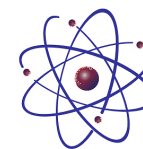


Radon Detection Specialists, Inc.
825 N Cass Avenue. • Suite 310
Westmont, IL 60559
630-325-4443

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Report Prepared By: Kirsten Schmidt, NRPP018034RMP,
NRSB1355016, RNI2006214
kirstens@radondetection.net

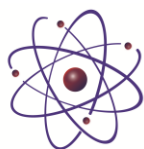
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Appendix A: Device Table

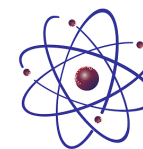
The table below lists all the devices deployed and their reported radon levels. The results were determined using calculations supplied by the device manufacturer.

Location #	Serial Number	Room Name/Number	Room Description	Foundation	Occupiable?	Start Day/Time	V1	End Day/Time	V2	Invalid or Missing?	Device Radon Level (pCi/L)	Set Type
1	SDM152	F106 West Wall	Area	Slab-on-Grade	Yes	12/5/2023 9:49 AM	207	12/7/2023 10:48 AM	204		0.2	S
2	SMR638	F106A	Storage	Slab-on-Grade	Yes	12/5/2023 9:52 AM	463	12/7/2023 10:49 AM	457		0.9	S
3	SND355	F106 North Wall	Area	Slab-on-Grade	Yes	12/5/2023 9:54 AM	397	12/7/2023 10:51 AM	391		0.9	S
4	SDK175	F106B	Storage	Slab-on-Grade	Yes	12/5/2023 9:56 AM	304	12/7/2023 10:52 AM	293		2.3	S
5	SDG420	F106 East Wall	Area	Slab-on-Grade	Yes	12/5/2023 9:57 AM	172	12/7/2023 10:58 AM	163		2.0	S
6	SMT306	F106 South Wall	Area	Slab-on-Grade	Yes	12/5/2023 10:01 AM	201	12/7/2023 10:55 AM	197		0.5	S
7	SNG688	F108	Storage	Slab-on-Grade	Yes	12/5/2023 10:03 AM	510	12/7/2023 10:54 AM	498		2.4	S
8	SNG218	F116	Storage	Slab-on-Grade	Yes	12/5/2023 10:05 AM	338	12/7/2023 10:59 AM	334		0.4	S



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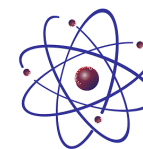


9	SND521	F114	Maintenance	Slab-on-Grade	Yes	12/5/2023 10:10 AM	370	12/7/2023 11:01 AM	360		2.0	S
10	SND426	F128	Maintenance	Slab-on-Grade	Yes	12/5/2023 10:13 AM	327	12/7/2023 11:03 AM	315		2.6	S
11	SDU854	F122	Maintenance	Slab-on-Grade	Yes	12/5/2023 10:17 AM	314	12/7/2023 11:02 AM	311		0.2	S
12	SNG110	F105	Office	Slab-on-Grade	Yes	12/5/2023 10:22 AM	301	12/7/2023 11:06 AM	295		1.0	S
13	SDQ624	F105B	Office	Slab-on-Grade	Yes	12/5/2023 10:23 AM	385	12/7/2023 11:08 AM	381		0.4	S
13	SDV903	F105B	Office	Slab-on-Grade	Yes	12/5/2023 10:24 AM	108	12/7/2023 11:08 AM	104		0.6	D
14	SNE650	F105A	Office	Slab-on-Grade	Yes	12/5/2023 10:25 AM	274	12/7/2023 11:07 AM	270		0.5	S
14	SDG164	F105A	Office	Slab-on-Grade	Yes	12/5/2023 10:26 AM	362	12/7/2023 11:09 AM	362		-0.7	B
15	SDU853	F107	Area	Slab-on-Grade	Yes	12/5/2023 10:28 AM	247	12/7/2023 11:10 AM	239		1.6	S
16	SDG105	F101	Room	Slab-on-Grade	Yes	12/5/2023 10:33 AM	165	12/7/2023 11:16 AM	155		2.4	S
17	SMT165	F103	Storage	Slab-on-Grade	Yes	12/5/2023 10:33 AM	344	12/7/2023 11:16 AM	335		1.8	S
18	SDG004	F100	Area	Slab-on-Grade	Yes	12/5/2023 10:35 AM	463	12/7/2023 11:15 AM	459		0.4	S
19	SDW215	D101	Area	Slab-on-Grade	Yes	12/5/2023 10:38 AM	222	12/7/2023 11:18 AM	216		1.1	S
20	SDQ586	D102	Area	Slab-on-Grade	Yes	12/5/2023 10:42 AM	157	12/7/2023 11:19 AM	152		0.9	S
21	SDU794	D105F	Storage	Slab-on-Grade	Yes	12/5/2023 10:44 AM	404	12/7/2023 11:20 AM	398		0.9	S



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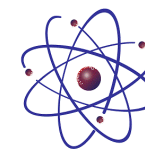


22	SNH791	D105	Kitchen	Slab-on-Grade	Yes	12/5/2023 10:45 AM	485	12/7/2023 11:21 AM	479		0.9	S
23	SDO870	D105D	Storage	Slab-on-Grade	Yes	12/5/2023 10:49 AM	144	12/7/2023 11:21 AM	139		0.9	S
24	SND295	D105E	Office	Slab-on-Grade	Yes	12/5/2023 10:49 AM	547	12/7/2023 11:22 AM	541		0.9	S
25	SDH461	D105C	Storage	Slab-on-Grade	Yes	12/5/2023 10:51 AM	310	12/7/2023 11:23 AM	297		2.9	S
26	SNH700	E131	Storage	Slab-on-Grade	Yes	12/5/2023 10:52 AM	273	12/7/2023 11:24 AM	268		0.7	S
27	SDW503	D109	Office	Slab-on-Grade	Yes	12/5/2023 10:58 AM	131	12/7/2023 11:27 AM	123		1.9	S
27	SDQ618	D109	Office	Slab-on-Grade	Yes	12/5/2023 10:58 AM	224	12/7/2023 11:28 AM	216		1.6	D
28	SMR639	D106	Office	Slab-on-Grade	Yes	12/5/2023 10:59 AM	234	12/7/2023 11:26 AM	225		1.9	S
28	SLE127	D106	Office	Slab-on-Grade	Yes	12/5/2023 11:00 AM	95	12/7/2023 11:26 AM	95		-0.7	B
29	SDF717	C122	Storage	Slab-on-Grade	Yes	12/5/2023 11:14 AM	283	12/7/2023 11:35 AM	258		6.3	D
29	SLE196	C122	Storage	Slab-on-Grade	Yes	12/5/2023 11:13 AM	112	12/7/2023 11:34 AM	93		5.5	S
30	SDU741	C116	Office	Slab-on-Grade	Yes	12/5/2023 11:16 AM	353	12/7/2023 11:36 AM	347		1.0	S
31	SND467	C112	Classroom	Slab-on-Grade	Yes	12/5/2023 11:21 AM	428	12/7/2023 11:39 AM	419		1.7	S
32	SNS158	C102	Classroom	Slab-on-Grade	Yes	12/5/2023 11:22 AM	713	12/7/2023 11:38 AM	705		1.3	S
33	SDG375	C100 Rear	Area	Slab-on-Grade	Yes	12/5/2023 11:25 AM	285	12/7/2023 11:41 AM	280		0.7	S



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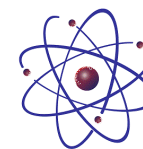


34	SNG602	C100 Front	Area	Slab-on-Grade	Yes	12/5/2023 11:26 AM	442	12/7/2023 11:41 AM	430		2.5	S
35	SDG021	C107	Storage	Slab-on-Grade	Yes	12/5/2023 11:32 AM	370	12/7/2023 11:44 AM	364		1.0	S
36	SNH624	C100 Back Stage	Area	Slab-on-Grade	Yes	12/5/2023 11:36 AM	413	12/7/2023 11:45 AM	408		0.7	S
37	SDU814	C101B	Office	Slab-on-Grade	Yes	12/5/2023 11:39 AM	357	12/7/2023 11:46 AM	349		1.5	S
38	SNG805	C113A	Storage	Slab-on-Grade	Yes	12/5/2023 11:40 AM	517	12/7/2023 11:47 AM	510		1.1	S
39	SDH568	C101D	Office	Slab-on-Grade	Yes	12/5/2023 11:41 AM	258	12/7/2023 11:49 AM	253		0.8	S
39	SDC607	C101D	Office	Slab-on-Grade	Yes	12/5/2023 11:43 AM	100	12/7/2023 11:48 AM	100		-0.7	B
40	SDQ612	C101C	Office	Slab-on-Grade	Yes	12/5/2023 11:44 AM	396	12/7/2023 11:50 AM	391		0.7	S
41	SMR566	C101E	Office	Slab-on-Grade	Yes	12/5/2023 11:45 AM	138	12/7/2023 11:51 AM	129		2.2	S
42	SLL714	C101F	Office	Slab-on-Grade	Yes	12/5/2023 11:47 AM	193	12/7/2023 11:53 AM	185		1.7	S
43	SND510	C101G	Office	Slab-on-Grade	Yes	12/5/2023 11:48 AM	556	12/7/2023 11:52 AM	551		0.6	S
44	SMT327	C101	Office	Slab-on-Grade	Yes	12/5/2023 11:50 AM	439	12/7/2023 11:56 AM	431		1.5	S
45	SMT129	C101A	Office	Slab-on-Grade	Yes	12/5/2023 11:51 AM	379	12/7/2023 11:56 AM	373		1.0	S
45	SLL670	C101A	Office	Slab-on-Grade	Yes	12/5/2023 11:52 AM	124	12/7/2023 11:55 AM	118		1.3	D
46	SNG642	C117	Classroom	Slab-on-Grade	Yes	12/5/2023 11:58 AM	268	12/7/2023 12:00 PM	261		1.3	S

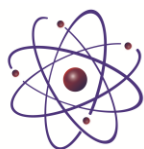


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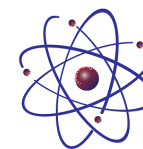
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47	SND531	C119	Classroom	Slab-on-Grade	Yes	12/5/2023 12:01 PM	548	12/7/2023 12:01 PM	542		0.9	S
48	SDG505	C127C	Office	Slab-on-Grade	Yes	12/5/2023 12:08 PM	304	12/7/2023 12:03 PM	300		0.5	S
49	SNH750	C127 West	Office	Slab-on-Grade	Yes	12/5/2023 12:09 PM	516	12/7/2023 12:02 PM	503		2.7	S
50	SMR607	127B	Office	Slab-on-Grade	Yes	12/5/2023 12:10 PM	313	12/7/2023 12:04 PM	308		0.7	S
51	SDQ677	C127A	Office	Slab-on-Grade	Yes	12/5/2023 12:11 PM	327	12/7/2023 12:05 PM	322		0.7	S
52	SDW424	C127 East	Office	Slab-on-Grade	Yes	12/5/2023 12:13 PM	385	12/7/2023 12:06 PM	382		0.2	S
53	SDG128	C136 South Wall	Area	Slab-on-Grade	Yes	12/5/2023 12:15 PM	326	12/7/2023 12:08 PM	318		1.5	S
54	SNG574	C118 B	Storage	Slab-on-Grade	Yes	12/5/2023 12:17 PM	113	12/7/2023 12:09 PM	104		2.3	S
55	SDF700	C136 B	Storage	Slab-on-Grade	Yes	12/5/2023 12:18 PM	202	12/7/2023 12:11 PM	194	Invalid		S
56	SDC878	C136 North Wall	Area	Slab-on-Grade	Yes	12/5/2023 12:20 PM	235	12/7/2023 12:14 PM	224		2.5	S
57	SDU913	C142	Classroom	Slab-on-Grade	Yes	12/5/2023 12:24 PM	116	12/7/2023 12:15 PM	109		1.6	S
58	SDH409	C142A	Storage	Slab-on-Grade	Yes	12/5/2023 12:26 PM	388	12/7/2023 12:17 PM	382		1.0	S
58	SNF957	C142A	Storage	Slab-on-Grade	Yes	12/5/2023 12:27 PM	295	12/7/2023 12:16 PM	290		0.7	D
59	SDF621	C118A	Storage	Slab-on-Grade	Yes	12/5/2023 12:29 PM	274	12/7/2023 12:20 PM	265	Invalid		S
60	SMR820	C118 South Wall	Area	Slab-on-Grade	Yes	12/5/2023 12:31 PM	299	12/7/2023 12:25 PM	290		1.9	S



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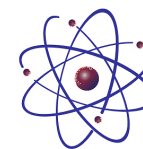


61	SND492	C118 West Wall	Area	Slab-on-Grade	Yes	12/5/2023 12:33 PM	501	12/7/2023 12:25 PM	492		1.7	S
62	SDG054	C134	Classroom	Slab-on-Grade	Yes	12/5/2023 12:38 PM	408	12/7/2023 12:27 PM	402		0.9	S
62	SDK195	C134	Classroom	Slab-on-Grade	Yes	12/5/2023 12:39 PM	435	12/7/2023 12:27 PM	428		1.2	D
63	SDW621	C128	Classroom	Slab-on-Grade	Yes	12/5/2023 12:41 PM	263	12/7/2023 12:29 PM	256		1.3	S
63	SKZ500	C128	Classroom	Slab-on-Grade	Yes	12/5/2023 12:42 PM	100	12/7/2023 12:29 PM	100		-0.7	B
64	SDU866	F104	Storage	Slab-on-Grade	Yes	12/5/2023 12:45 PM	389	12/7/2023 12:31 PM	380		1.8	S
65	SDW590	F102	Storage	Slab-on-Grade	Yes	12/5/2023 12:46 PM	153	12/7/2023 12:32 PM	147		1.2	S
66	SDF745	D100 East Wall	Area	Slab-on-Grade	Yes	12/5/2023 12:51 PM	129	12/7/2023 12:35 PM	123		1.3	S
67	SNE517	D100 West Wall	Area	Slab-on-Grade	Yes	12/5/2023 12:53 PM	514	12/7/2023 12:36 PM	510		0.4	S
68	SDQ639	D100 B	Storage	Slab-on-Grade	Yes	12/5/2023 12:54 PM	329	12/7/2023 12:39 PM	321		1.6	S
68	SNG724	D100 B	Storage	Slab-on-Grade	Yes	12/5/2023 12:55 PM	473	12/7/2023 12:39 PM	464		1.7	D
69	SNE567	D100A	Office	Slab-on-Grade	Yes	12/5/2023 12:57 PM	471	12/7/2023 12:37 PM	466		0.7	D
69	SNG683	D100A	Office	Slab-on-Grade	Yes	12/5/2023 12:56 PM	329	12/7/2023 12:38 PM	324		0.7	S
69	SNG123	D100A	Office	Slab-on-Grade	Yes	12/5/2023 12:58 PM	404	12/7/2023 12:37 PM	404		-0.7	B
70	SDQ723	A120	Office	Slab-on-Grade	Yes	12/5/2023 9:43 AM	440	12/7/2023 10:42 AM	432		1.4	S

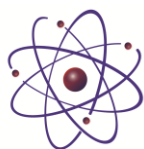


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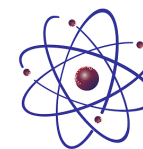


70	SDK075	A120	Office	Slab-on-Grade	Yes	12/5/2023 9:45 AM	137	12/7/2023 10:41 AM	130		1.5	D
70	SKZ545	A120	Office	Slab-on-Grade	Yes	12/5/2023 9:46 AM	97	12/7/2023 10:40 AM	97		-0.7	B
71	SND403	A120V	Office	Slab-on-Grade	Yes	12/5/2023 9:47 AM	537	12/7/2023 10:44 AM	533		0.4	S
72	SDQ595	A120T	Office	Slab-on-Grade	Yes	12/5/2023 9:53 AM	364	12/7/2023 10:45 AM	358		0.9	S
73	SDQ582	A120R	Room	Slab-on-Grade	Yes	12/5/2023 9:55 AM	454	12/7/2023 10:44 AM	444		1.9	S
74	SDG573	A120S	Office	Slab-on-Grade	Yes	12/5/2023 9:56 AM	318	12/7/2023 10:43 AM	315		0.2	S
75	SNG220	A120Q	Office	Slab-on-Grade	Yes	12/5/2023 9:57 AM	524	12/7/2023 10:46 AM	521		0.1	S
76	SNG576	A120P	Office	Slab-on-Grade	Yes	12/5/2023 9:59 AM	279	12/7/2023 10:47 AM	276		0.2	S
77	SDH611	A120O	Office	Slab-on-Grade	Yes	12/5/2023 10:00 AM	434	12/7/2023 10:47 AM	430		0.4	S
78	SNI639	A120M	Office	Slab-on-Grade	Yes	12/5/2023 10:01 AM	461	12/7/2023 10:49 AM	456		0.6	S
79	SDH490	A120K	Office	Slab-on-Grade	Yes	12/5/2023 10:02 AM	305	12/7/2023 10:50 AM	302		0.2	S
80	SDW439	A120N	Office	Slab-on-Grade	Yes	12/5/2023 10:04 AM	426	12/7/2023 10:48 AM	423		0.1	S
81	SNS237	A120L	Office	Slab-on-Grade	Yes	12/5/2023 10:05 AM	648	12/7/2023 10:52 AM	644		0.3	S
82	SDH343	A120I	Office	Slab-on-Grade	Yes	12/5/2023 10:06 AM	461	12/7/2023 10:51 AM	456		0.6	S
83	SDQ837	A120H	Office	Slab-on-Grade	Yes	12/5/2023 10:08 AM	351	12/7/2023 10:55 AM	347		0.4	S



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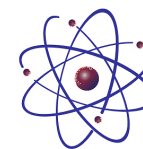


84	SDO361	A122	Room	Slab-on-Grade	Yes	12/5/2023 10:09 AM	418	12/7/2023 10:54 AM	414		0.4	S
84	SDW620	A122	Room	Slab-on-Grade	Yes	12/5/2023 10:09 AM	392	12/7/2023 10:53 AM	387		0.7	D
85	SDG457	A122A	Office	Slab-on-Grade	Yes	12/5/2023 10:11 AM	416	12/7/2023 10:55 AM	411		0.7	S
86	SNS50	A122C	Office	Slab-on-Grade	Yes	12/5/2023 10:12 AM	737	12/7/2023 10:54 AM	732		0.6	S
87	SDF791	A120G	Office	Slab-on-Grade	Yes	12/5/2023 10:15 AM	362	12/7/2023 10:56 AM	358		0.4	S
88	SDH537	A120F	Office	Slab-on-Grade	Yes	12/5/2023 10:16 AM	371	12/7/2023 10:59 AM	368		0.1	S
89	SDF690	A120E	Office	Slab-on-Grade	Yes	12/5/2023 10:17 AM	346	12/7/2023 10:58 AM	341		0.7	S
90	SNE442	A120D	Office	Slab-on-Grade	Yes	12/5/2023 10:18 AM	456	12/7/2023 10:58 AM	452		0.4	S
91	SDW486	A120C	Office	Slab-on-Grade	Yes	12/5/2023 10:19 AM	233	12/7/2023 10:58 AM	228		0.8	S
92	SMT252	A120A	Office	Slab-on-Grade	Yes	12/5/2023 10:20 AM	258	12/7/2023 11:02 AM	254		0.5	S
93	SDW623	A120B	Office	Slab-on-Grade	Yes	12/5/2023 10:21 AM	258	12/7/2023 10:59 AM	255		0.2	S
94	SDF918	A112	Kitchen	Slab-on-Grade	Yes	12/5/2023 10:24 AM	229	12/7/2023 11:02 AM	226		0.2	S
94	SDG409	A112	Kitchen	Slab-on-Grade	Yes	12/5/2023 10:25 AM	285	12/7/2023 11:02 AM	281		0.5	D
94	SDM803	A112	Kitchen	Slab-on-Grade	Yes	12/5/2023 10:26 AM	82	12/7/2023 11:01 AM	82		-0.7	B
95	SDQ745	A104	Room	Slab-on-Grade	Yes	12/5/2023 10:29 AM	417	12/7/2023 11:05 AM	414		0.1	S

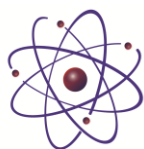


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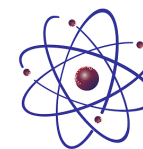
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96	SDW917	A104 2nd loc	Room	Slab-on-Grade	Yes	12/5/2023 10:32 AM	213	12/7/2023 11:06 AM	207		1.1	S
97	SND544	A104A	Office	Slab-on-Grade	Yes	12/5/2023 10:33 AM	422	12/7/2023 11:06 AM	416		0.9	S
98	SNG138	A104B	Office	Slab-on-Grade	Yes	12/5/2023 10:34 AM	608	12/7/2023 11:05 AM	602		0.8	S
99	SND353	A102	Classroom	Slab-on-Grade	Yes	12/5/2023 10:36 AM	290	12/7/2023 11:08 AM	287		0.2	S
100	SDF702	A100	Classroom	Slab-on-Grade	Yes	12/5/2023 10:39 AM	354	12/7/2023 11:08 AM	349		0.7	S
101	SND313	A101	Classroom	Slab-on-Grade	Yes	12/5/2023 10:40 AM	438	12/7/2023 11:09 AM	432		0.9	S
102	SDQ719	A103	Classroom	Slab-on-Grade	Yes	12/5/2023 10:42 AM	346	12/7/2023 11:10 AM	341		0.7	S
103	SDG284	A105	Classroom	Slab-on-Grade	Yes	12/5/2023 10:44 AM	351	12/7/2023 11:12 AM	345		1.0	S
104	SDS121	A107	Classroom	Slab-on-Grade	Yes	12/5/2023 10:45 AM	306	12/7/2023 11:13 AM	301		0.7	S
105	SDK886	A111	Classroom	Slab-on-Grade	Yes	12/5/2023 10:48 AM	361	12/7/2023 11:15 AM	355		1.0	S
106	SDQ626	A113	Office	Slab-on-Grade	Yes	12/5/2023 10:49 AM	163	12/7/2023 11:17 AM	159		0.6	S
107	SND422	A117	Classroom	Slab-on-Grade	Yes	12/5/2023 10:50 AM	229	12/7/2023 11:17 AM	222		1.4	S
108	SNG821	A123	Area	Slab-on-Grade	Yes	12/5/2023 10:53 AM	513	12/7/2023 11:18 AM	508		0.6	S
109	SDH495	A121	Classroom	Slab-on-Grade	Yes	12/5/2023 10:53 AM	424	12/7/2023 11:20 AM	417		1.2	S
109	SDS045	A121	Classroom	Slab-on-Grade	Yes	12/5/2023 10:54 AM	218	12/7/2023 11:20 AM	211		1.4	D



Facility Name: Forest View High School
 Test Site: 2121 S Goebbert Road
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 Test Dates: Tuesday, December 05, 2023 to Thursday, December 07, 2023

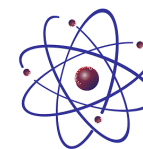


110	SDQ571	A121A	Office	Slab-on-Grade	Yes	12/5/2023 10:55 AM	410	12/7/2023 11:28 AM	401		1.7	S
111	SNE727	A125	Classroom	Slab-on-Grade	Yes	12/5/2023 10:57 AM	345	12/7/2023 11:23 AM	341		0.4	S
112	SND375	A125A	Office	Slab-on-Grade	Yes	12/5/2023 10:57 AM	353	12/7/2023 11:22 AM	350		0.2	S
113	SMT150	A127	Classroom	Slab-on-Grade	Yes	12/5/2023 11:00 AM	346	12/7/2023 11:24 AM	343	Invalid		S
113	SDO852	A127	Classroom	Slab-on-Grade	Yes	12/5/2023 11:00 AM	91	12/7/2023 11:24 AM	91		-0.7	B
114	SDW443	E100	Classroom	Slab-on-Grade	Yes	12/5/2023 11:04 AM	361	12/7/2023 11:34 AM	353		1.5	S
115	SDW488	E100B	Classroom	Slab-on-Grade	Yes	12/5/2023 11:05 AM	404	12/7/2023 11:33 AM	399		0.7	S
116	SND479	E100C	Storage	Slab-on-Grade	Yes	12/5/2023 11:06 AM	435	12/7/2023 11:32 AM	429		0.9	S
117	SDW775	E100A	Classroom	Slab-on-Grade	Yes	12/5/2023 11:07 AM	307	12/7/2023 11:32 AM	300		1.3	S
118	SDC889	E101	Classroom	Slab-on-Grade	Yes	12/5/2023 11:09 AM	396	12/7/2023 11:35 AM	391		0.7	S
119	SDG309	E102	Classroom	Slab-on-Grade	Yes	12/5/2023 11:11 AM	263	12/7/2023 11:39 AM	256		1.3	S
119	SDM306	E102	Classroom	Slab-on-Grade	Yes	12/5/2023 11:11 AM	303	12/7/2023 11:38 AM	295		1.5	D
120	SDF730	E102C	Office	Slab-on-Grade	Yes	12/5/2023 11:16 AM	272	12/7/2023 11:38 AM	267		0.7	S
121	SNF959	E102A	Kitchen	Slab-on-Grade	Yes	12/5/2023 11:19 AM	507	12/7/2023 11:40 AM	496		2.2	S
122	SDU765	E129	Office	Slab-on-Grade	Yes	12/5/2023 11:21 AM	349	12/7/2023 11:43 AM	333		3.7	S



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Facility Name: Forest View High School
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 Test Dates: Tuesday, December 05, 2023 to Thursday, December 07, 2023

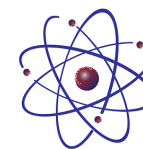


123	SNG146	E103A	Office	Slab-on-Grade	Yes	12/5/2023 11:25 AM	432	12/7/2023 11:44 AM	421		2.2	S
124	SNH757	E112	Storage	Slab-on-Grade	Yes	12/5/2023 11:30 AM	482	12/7/2023 11:45 AM	470		2.5	S
125	SNG722	E129C	Office	Slab-on-Grade	Yes	12/5/2023 11:32 AM	532	12/7/2023 11:47 AM	524		1.4	S
127	SDU889	E129B	Office	Slab-on-Grade	Yes	12/5/2023 11:35 AM	339	12/7/2023 11:49 AM	328		2.3	S
127	SDK169	E129B	Office	Slab-on-Grade	Yes	12/5/2023 11:34 AM	318	12/7/2023 11:48 AM	318		-0.7	B
128	SDW624	E129A	Office	Slab-on-Grade	Yes	12/5/2023 11:36 AM	227	12/7/2023 11:49 AM	222		0.8	S
129	SNG129	E126	Office	Slab-on-Grade	Yes	12/5/2023 11:41 AM	536	12/7/2023 11:55 AM	529		1.1	S
130	SDK205	E126E	Office	Slab-on-Grade	Yes	12/5/2023 11:42 AM	235	12/7/2023 11:54 AM	229		1.1	S
131	SDG037	E126A	Office	Slab-on-Grade	Yes	12/5/2023 11:43 AM	176	12/7/2023 11:53 AM	170		1.1	S
132	SDF761	E126C	Office	Slab-on-Grade	Yes	12/5/2023 11:44 AM	419	12/7/2023 11:54 AM	412		1.2	S
133	SNS496	E124A	Maintenance	Slab-on-Grade	Yes	12/5/2023 11:47 AM	675	12/7/2023 11:56 AM	673	Invalid		S
134	SND511	E124	Maintenance	Slab-on-Grade	Yes	12/5/2023 11:49 AM	207	12/7/2023 12:03 PM	203		0.5	S
135	SDK039	E122	Maintenance	Slab-on-Grade	Yes	12/5/2023 11:51 AM	124	12/7/2023 12:04 PM	119		0.9	S
136	SDU691	E124B	Office	Slab-on-Grade	Yes	12/5/2023 11:52 AM	119	12/7/2023 12:01 PM	115		0.6	S
137	SNG171	E122A	Office	Slab-on-Grade	Yes	12/5/2023 11:54 AM	615	12/7/2023 12:06 PM	615		-0.7	B



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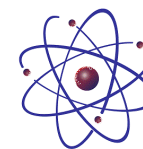


137	SDW743	E122A	Office	Slab-on-Grade	Yes	12/5/2023 11:56 AM	106	12/7/2023 12:05 PM	101		1.0	S
137	SDG448	E122A	Office	Slab-on-Grade	Yes	12/5/2023 11:55 AM	277	12/7/2023 12:05 PM	271		1.0	D
138	SDQ802	E122	Office	Slab-on-Grade	Yes	12/5/2023 11:57 AM	198	12/7/2023 12:07 PM	193		0.8	S
139	SDW527	E120	Maintenance	Slab-on-Grade	Yes	12/5/2023 12:03 PM	240	12/7/2023 12:09 PM	235		0.8	S
140	SDG511	E120D	Office	Slab-on-Grade	Yes	12/5/2023 12:05 PM	396	12/7/2023 12:09 PM	390		0.9	S
141	SDQ759	E120C	Storage	Slab-on-Grade	Yes	12/5/2023 12:08 PM	140	12/7/2023 12:08 PM	134		1.2	S
142	SND290	E126B	Office	Slab-on-Grade	Yes	12/5/2023 12:10 PM	133	12/7/2023 12:02 PM	129		0.6	S
143	SDG198	E128	Room	Slab-on-Grade	Yes	12/5/2023 12:12 PM	409	12/7/2023 12:14 PM	404		0.7	S
144	SDK241	E132	Office	Slab-on-Grade	Yes	12/5/2023 12:17 PM	226	12/7/2023 12:33 PM	223		0.2	S
145	SDG269	E134	Office	Slab-on-Grade	Yes	12/5/2023 12:20 PM	347	12/7/2023 12:32 PM	341		1.0	S
146	SDQ403	E127	Storage	Slab-on-Grade	Yes	12/5/2023 12:21 PM	199	12/7/2023 12:32 PM	187		2.9	S
147	SDH418	E133	Maintenance	Slab-on-Grade	Yes	12/5/2023 12:23 PM	177	12/7/2023 12:35 PM	172		0.8	S
148	SDC967	E136	Maintenance	Slab-on-Grade	Yes	12/5/2023 12:25 PM	263	12/7/2023 12:36 PM	258		0.8	S
149	SDQ609	E136A	Storage	Slab-on-Grade	Yes	12/5/2023 12:25 PM	360	12/7/2023 12:35 PM	355		0.7	S
150	SNG230	E136E	Storage	Slab-on-Grade	Yes	12/5/2023 12:28 PM	513	12/7/2023 12:36 PM	506		1.1	S

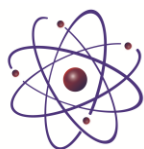


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Facility Name: Forest View High School
 Test Site: 2121 S Goebbert Road
 Arlington Heights, IL 60005
 Test Dates: Tuesday, December 05, 2023 to Thursday, December 07, 2023

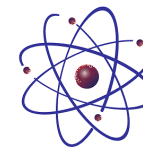


151	SDQ672	A211	Office	2nd Floor	Yes	12/5/2023 12:38 PM	388	12/7/2023 12:44 PM	379		1.8	S
151	SDW431	A211	Office	2nd Floor	Yes	12/5/2023 12:40 PM	335	12/7/2023 12:44 PM	327		1.5	D
152	SDK207	A219	Classroom	2nd Floor	Yes	12/5/2023 12:42 PM	356	12/7/2023 12:46 PM	352		0.4	S
153	SDG345	A225	Classroom	2nd Floor	Yes	12/5/2023 12:43 PM	346	12/7/2023 12:48 PM	340		1.0	S
153	SDK211	A225	Classroom	2nd Floor	Yes	12/5/2023 12:44 PM	322	12/7/2023 12:49 PM	317		0.7	D
154	SND417	A230	Classroom	2nd Floor	Yes	12/5/2023 12:45 PM	480	12/7/2023 12:50 PM	473		1.2	S
154	SLL764	A230	Classroom	2nd Floor	Yes	12/5/2023 12:45 PM	89	12/7/2023 12:50 PM	89		-0.7	B
155	SDG119	A226	Classroom	2nd Floor	Yes	12/5/2023 12:47 PM	263	12/7/2023 12:51 PM	258		0.8	S
156	SDW463	A212	Residence	2nd Floor	Yes	12/5/2023 12:49 PM	409	12/7/2023 12:52 PM	405		0.4	S
157	SNI505	A311	Classroom	3rd Floor	Yes	12/5/2023 12:54 PM	416	12/7/2023 12:56 PM	412		0.4	S
157	SDF701	A311	Classroom	3rd Floor	Yes	12/5/2023 12:55 PM	338	12/7/2023 12:55 PM	333		0.7	D
158	SDQ754	E319	Classroom	3rd Floor	Yes	12/5/2023 12:56 PM	390	12/7/2023 1:04 PM	385		0.7	S
158	SDF510	E319	Classroom	3rd Floor	Yes	12/5/2023 12:57 PM	105	12/7/2023 1:05 PM	105		-0.7	B
159	SNH705	A325	Classroom	3rd Floor	Yes	12/5/2023 12:58 PM	395	12/7/2023 1:05 PM	390		0.7	S
160	SND513	A326	Classroom	3rd Floor	Yes	12/5/2023 12:59 PM	442	12/7/2023 1:04 PM	438		0.4	S



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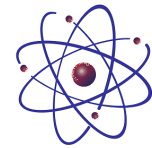
Facility Name: Forest View High School
Test Site: 2121 S Goebbert Road
Arlington Heights, IL 60005
Test Dates: Tuesday, December 05, 2023 to Thursday, December 07, 2023



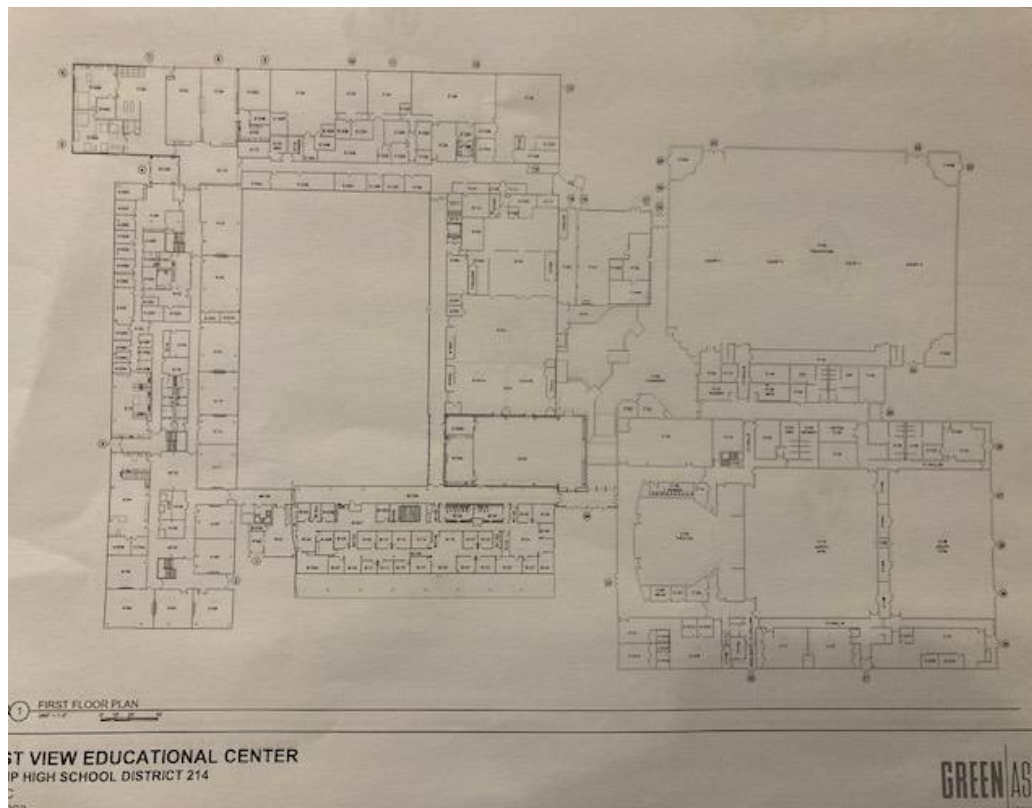
161	SNS324	A318	Classroom	3rd Floor	Yes	12/5/2023 1:01 PM	680	12/7/2023 1:04 PM	677		0.1	S
162	SDG431	A314	Classroom	3rd Floor	Yes	12/5/2023 1:02 PM	323	12/7/2023 1:05 PM	320		0.2	S



Facility Name: Forest View High School
Test Site: 2121 S Goebbert Road
Arlington Heights, IL 60005
Test Dates: Tuesday, December 05, 2023 to Thursday, December 07, 2023



Appendix B1: Site Plan Showing Device Locations

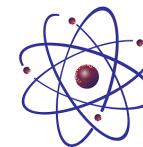


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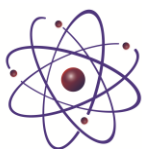
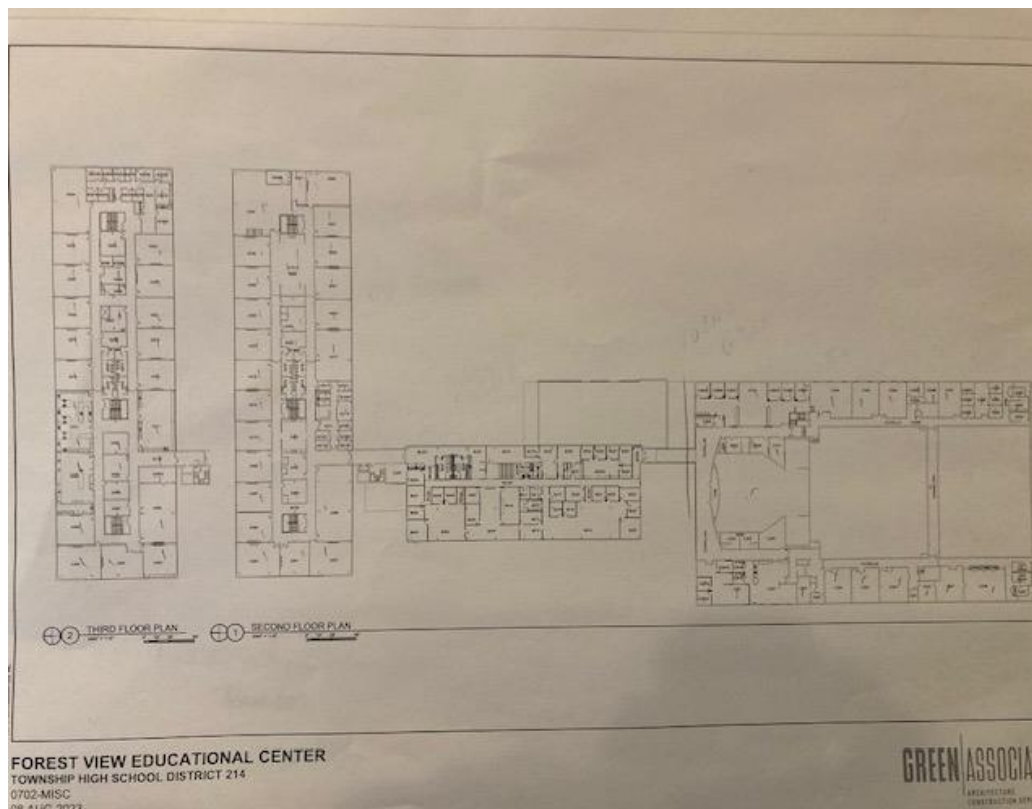
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Report Prepared By: Kirsten Schmidt, NRPP018034RMP, NRSB1355016, RNI2006214
kirstens@radondetection.net

Facility Name: Forest View High School
Test Site: 2121 S Goebbert Road
Arlington Heights, IL 60005
Test Dates: Tuesday, December 05, 2023 to Thursday, December 07, 2023

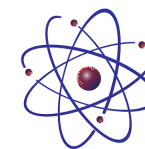


Appendix B2: Site Plan Showing Device Locations



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Facility Name: Forest View High School
Test Site: 2121 S Goebbert Road
Arlington Heights, IL 60005
Test Dates: Tuesday, December 05, 2023 to Thursday, December 07, 2023



Appendix C: License and Credentials



IEMA: Radon Measurement Professional
RNI2006204

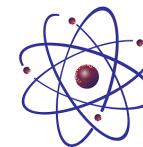


**NRPP: Radon Measurement Professional with Standard
and Analytical Services**
NRPP ID 108034-RMP



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Facility Name: Forest View High School
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NRSB: Accredited Radon Laboratory NRSB ARL1301



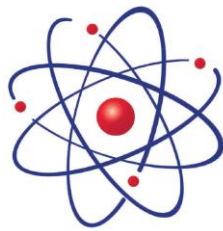
NRSB: Radon Measurement Specialist NRSB 13SS016



AARST-NRPP: Advanced Certification: Multifamily Measurement



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**RADON
DETECTION
SPECIALISTS**

**RADON TEST REPORT
FOLLOW-UP MEASUREMENT**

FACILITY NAME: FOREST VIEW HIGH SCHOOL

Test Site: 2121 S Goebbert Road
Arlington Heights, IL 60005

Report Date: January 19, 2024



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Report Prepared By: Kirsten Schmidt, NRPP018034RMP,
NRSB1355016, RNI2006214
kirstens@radondetection.net

Facility Name: Forest View High School
Test Site: 2121 S Goebbert Road
Arlington Heights, IL 60005
Test Dates: Wednesday, January 17, 2024 to Friday, January 19, 2024

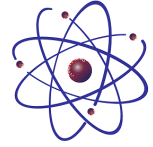
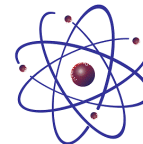


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Section 3.0 Scope of Work Performed.....	5
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Facility Name: Forest View High School
Test Site: 2121 S Goebbert Road
Arlington Heights, IL 60005
Test Dates: Wednesday, January 17, 2024 to Friday, January 19, 2024



Section 1.0 Radon Health Effects

Radon is recognized by the Environmental Protection Agency as well as the scientific and medical communities as a Class A carcinogen, accounting for 15,000 – 22,000 lung cancer deaths annually. Exposure to radon gas is the leading cause of lung cancer among non-smokers.

Radon is a naturally occurring, radioactive gas which comes from the soil. It can't be seen, smelled or tasted. The only way to know if the level of radon gas in your building exceeds the recommended Action Level of 4.0 pCi/L is to test. The Department of Nuclear Safety in Illinois requires those testing for radon in commercial buildings, schools and multi-family housing communities, as well as individual residences, to be properly licensed.

The amount of radon in the soil depends on soil chemistry, which naturally varies. Radon levels in the soil can range from a few hundred to several thousands of pCi/L (pico Curies per liter of air). The amount of radon that escapes from the soil and enters the building depends on the weather, soil porosity, soil moisture, and the suction within the building.

Radon is the leading cause of lung cancer among non-smokers.

- There is no safe level of radon exposure. Any exposure causes some risk of developing cancer. The National Academy of Sciences (NAS) concluded that only cigarette smoking poses a greater risk. Exposure to radon accounts for 10% of all lung cancer deaths annually.
- As we breathe, the alpha radiation from radon and its decay products cause damage to the sensitive lung tissue. Most of the radiation dose is not actually from radon itself, but rather from radon's chain of short-lived decay products that are inhaled and lodge in the airways of the lungs. These radionuclides decay quickly, producing other radionuclides that continue damaging the lung tissue. Those particles that are retained long enough release radiation and damage the surrounding lung tissue. It is this damage that can lead to lung cancer.

What other health risks are related to radon exposure?

- No other respiratory ailments are linked to radon exposure.
- There are preliminary studies that are looking at the link between radon exposure and the development of Parkinson's and Alzheimer's disease. These are early studies, and research is on-going.

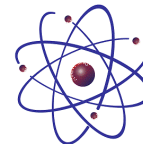


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825 N Cass Avenue. • Suite 310
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630-325-4443

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Report Prepared By: Kirsten Schmidt, NRPP018034RMP,
NRSB1355016, RNI2006214
kirstens@radondetection.net

Facility Name: Forest View High School
Test Site: 2121 S Goebbert Road
Arlington Heights, IL 60005
Test Dates: Wednesday, January 17, 2024 to Friday, January 19, 2024



Section 2.0 Radon Testing Protocol for This Site

Pre-Deployment Testing Strategy

Measurements will be conducted 5 locations which previously demonstrated invalid measurements or potentially elevated measurements during the initial measurement from December 5, 2023 to December 7, 2023.

Materials and Methods

RDS will use electret ionization chambers to measure radon levels in the air in the above referenced property. The test will comply with all protocols set forth by IEMA and ANSI/AARST, as well as the RDS Quality Assurance Plan.

Duplicate measurements will be conducted for not less than 10% of the total single devices placed to measure precision. Field blanks will be deployed for not less than 5% of the total number of single measurements deployed to measure background gamma radiation. Spike tests are conducted monthly at an independent lab, at a minimum of 3% for the total number of devices deployed (annually) or at a rate of 6 spikes per calendar month, to measure accuracy. The initial voltage reading will take place not more than 24 hours prior to deployment and the final voltage of the devices will be determined within 24 hours of retrieval.

RDS will locate devices in such a way to limit unintentional interference from building occupants. A walk-through inspection of the building will allow RDS to document observations regarding radon entry mechanisms and general building pressure gradients. Measurement results will be reported in picoCuries per liter (pCi/L) of air.

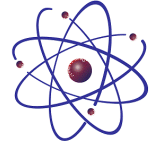


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630-325-4443

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Report Prepared By: Kirsten Schmidt, NRPP018034RMP,
NRSB1355016, RNI2006214
kirstens@radondetection.net

Facility Name: Forest View High School
Test Site: 2121 S Goebbert Road
Arlington Heights, IL 60005
Test Dates: Wednesday, January 17, 2024 to Friday, January 19, 2024



Section 3.0 Scope of Work Performed

Radon Detection Specialists performed a Follow-Up Measurement in 5 locations at Forest View High School, located at 2121 S Goebbert Road, in Arlington Heights, Illinois.

This scope of work included a 2-day (short-term) radon test. This measurement was conducted from Wednesday, January 17, 2024 to Friday, January 19, 2024.

The testing was conducted in accordance with the Illinois Emergency Management Agency Department of Nuclear Safety (IEMA) and the United States Environmental Protection Agency testing protocols for commercial radon measurements, ANSI/AARST standards, the device manufacturer's recommendations, and the RDS Quality Assurance Plan.

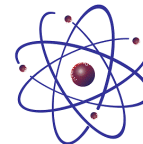
The devices used at this facility were electret ionization chambers (Eperms™) manufactured by RadElec, Inc.

A total of 11 devices were deployed at this site in these configurations:

Measurement Type	Number of Devices
Single	5
Duplicate	5
Blank	1



Facility Name: Forest View High School
Test Site: 2121 S Goebbert Road
Arlington Heights, IL 60005
Test Dates: Wednesday, January 17, 2024 to Friday, January 19, 2024



Section 4.0 Site Conditions and Device Placement

Site Conditions

1. The subject building was occupied and fully-functional during this radon measurement.
2. The testing period was noted to have been unremarkable in terms of changes/repairs to the building functionality and the weather.

Device Locations

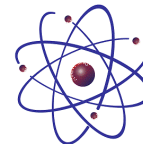
If an appropriate and accurate drawing is provided by the client and dimensional device plotting is possible, Appendix B provides a detailed drawing showing the device locations. If Appendix B is blank, please refer to the Device Placement columns provided in Appendix A (Room Use and Room Number) as an explanation of device locations.

The building was tested in accordance with IEMA and ANSI/AARST protocols with regard to device placement and analytical methods of calculating results.

1. Tampering was not detected at the time the devices were retrieved, unless noted in the Comment Column.
2. Devices were placed strategically to reduce accidental interference by building occupants.
3. Duplicates are averaged together. It is the average of the two devices upon which Follow-Up Testing and mitigation decisions should be based.



Facility Name: Forest View High School
Test Site: 2121 S Goebbert Road
Arlington Heights, IL 60005
Test Dates: Wednesday, January 17, 2024 to Friday, January 19, 2024



Section 5.0 Test Location Results and Recommendations

Test Location Results Table

The table below lists the radon test results by location in the facility.

Because radon levels fluctuate hourly, daily, weekly, seasonally and yearly, these results should not be used to estimate radon levels of rooms that were not measured, or to estimate future radon levels of rooms that were measured.

Changes to the building components (both structural and mechanical) can affect radon concentrations.

The EPA Action Level is 4.0 picoCuries per Liter (pCi/L).

Location #	Room Name/Number	Description	Averaged Results (pCi/L)
1	A127	Classroom	(Initial Invalid) 0.3
2	E124A	Maintenance	(Initial Invalid) 2.7
3	C118A	Storage	(Initial Invalid) 1.3
4	C136B	Storage	(Initial Invalid) 2.6
5	C122	Storage	(Initial 5.9) 4.9 = AVG 5.4

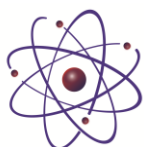
List of Locations Above the Action Level

Recommendation: Consult with a licensed mitigation professional, if the occupancy status of this room changes

Room Name/Number	Description	Results
C122	Storage	5.4

When potentially elevated levels are found during a routine measurement in locations that are not regularly occupied: C122 Storage

As this location is not a regularly occupied space, a measurement was made in this location for diagnostic purposes only. Should the occupancy status of this location change, follow-up testing and potential consultation with a mitigation professional is recommended.

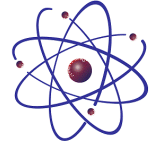


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Westmont, IL 60559
630-325-4443

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Report Prepared By: Kirsten Schmidt, NRPP018034RMP,
NRSB1355016, RNI2006214
kirstens@radondetection.net

Facility Name: Forest View High School
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Arlington Heights, IL 60005
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A Note about Long-Term Testing

The EPA and IEMA Action Level of 4.0 pCi/L is based on annual average exposure. As a matter of best practice in measurement, a long-term measurement is the best way to determine occupants' annual exposure because radon levels vary hourly, daily, weekly, seasonally, and over the years. Long-term testing (lasting 90 days to one year) provides a better understanding of building radon concentrations and the risks of exposure to radon.

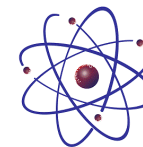
To have a thorough understanding of occupants' risk of exposure, a long-term measurement is always recommended. This type of measurement will provide the best indication of radon concentrations and are the basis upon which mitigation decisions should be made.

Should you choose to engage in a long-term measurement as recommended, please contact us for further details.



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Facility Name: Forest View High School
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Appendix A: Device Table

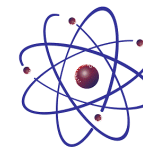
The table below lists all the devices deployed and their reported radon levels. The results were determined using calculations supplied by the device manufacturer.

Location #	Serial Number	Room Name/Number	Room Description	Foundation	Occupiable?	Start Day/Time	V1	End Day/Time	V2	Invalid or Missing?	Device Radon Level (pCi/L)	Set Type
1	SDW775	A127	Classroom	Slab-on-Grade	Yes	1/17/2024 12:50 PM	289	1/19/2024 2:45 PM	286		0.2	S
1	SN1505	A127	Classroom	Slab-on-Grade	Yes	1/17/2024 12:50 PM	408	1/19/2024 2:42 PM	404		0.4	D
2	SDQ639	E124A	Maintenance	Slab-on-Grade	Yes	1/17/2024 12:53 PM	291	1/19/2024 2:42 PM	280		2.3	S
2	SDQ622	E124A	Maintenance	Slab-on-Grade	Yes	1/17/2024 12:54 PM	366	1/19/2024 2:41 PM	352		3.0	D
3	SDF701	C118A	Storage	Slab-on-Grade	Yes	1/17/2024 12:58 PM	296	1/19/2024 2:41 PM	288		1.5	S
3	SDF857	C118A	Storage	Slab-on-Grade	Yes	1/17/2024 12:59 PM	233	1/19/2024 2:43 PM	227		1.0	D
3	SLL764	C118A	Storage	Slab-on-Grade	Yes	1/17/2024 12:59 PM	84	1/19/2024 2:43 PM	82		0.0	B
4	SNH757	C136B	Storage	Slab-on-Grade	Yes	1/17/2024 1:01 PM	439	1/19/2024 2:45 PM	427		2.4	S
4	SDF730	C136B	Storage	Slab-on-Grade	Yes	1/17/2024 1:02 PM	228	1/19/2024 2:44 PM	216		2.7	D
5	SDG037	C122	Storage	Slab-on-Grade	Yes	1/17/2024 1:03 PM	143	1/19/2024 2:46 PM	124		5.1	S
5	SNH705	C122	Storage	Slab-on-Grade	Yes	1/17/2024 1:04 PM	359	1/19/2024 2:41 PM	339		4.6	D

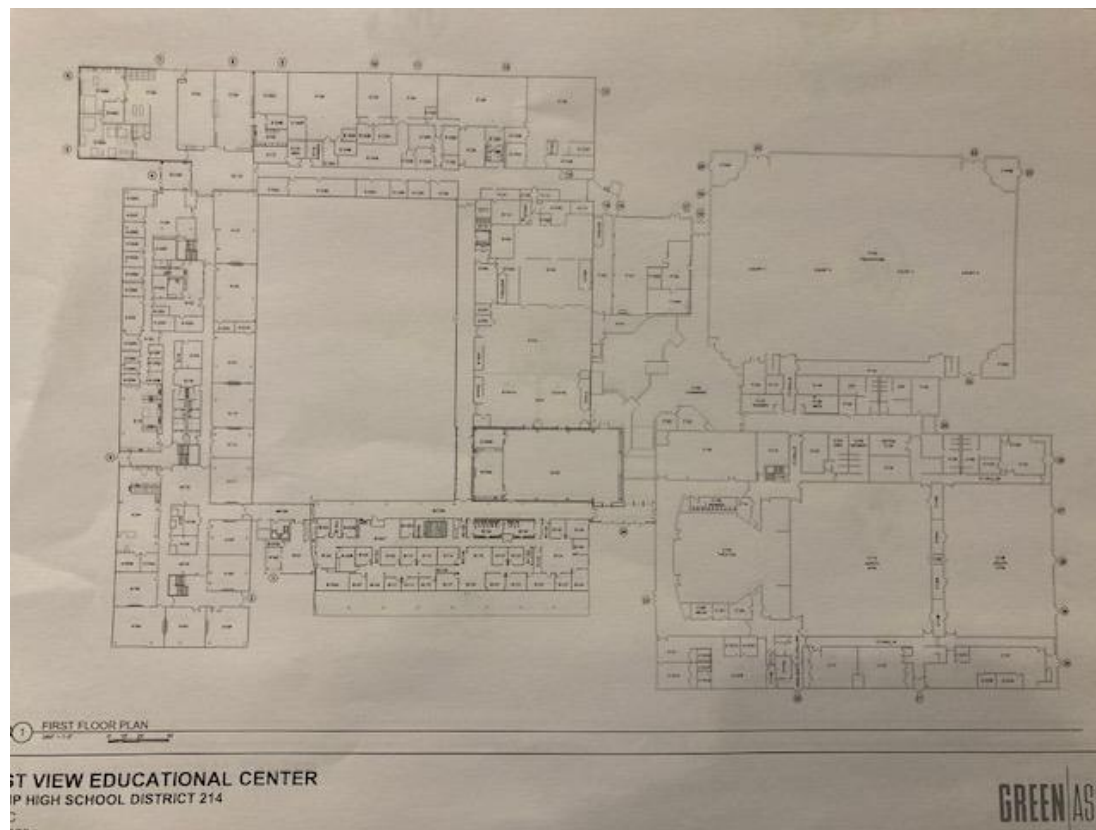


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Facility Name: Forest View High School
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Appendix B: Site Plan Showing Device Locations

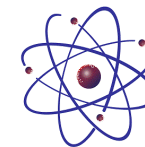


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Westmont, IL 60559
630-325-4443

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Report Prepared By: Kirsten Schmidt, NRPP018034RMP, NRSB1355016, RNI2006214
kirstens@radondetection.net

Facility Name: Forest View High School
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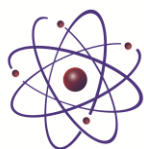
Appendix C: License and Credentials



IEMA: Radon Measurement Professional
RNI2006204

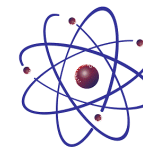


**NRPP: Radon Measurement Professional with Standard
and Analytical Services**
NRPP ID 108034-RMP



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NRSB: Accredited Radon Laboratory NRSB ARL1301



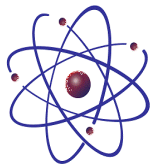
NRSB: Radon Measurement Specialist NRSB 13SS016



AARST-NRPP: Advanced Certification: Multifamily Measurement



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Radon Test Certificate of Completion

Prepared for: Ramboll

Facility Name: Forest View High School

Test Site: 2121 S Goebbert Road

Arlington Heights, IL 60005

Test Date: Tuesday, December 05, 2023 to Thursday, December 07, 2023

Every parent or guardian is notified that this facility has performed radon measurements to ensure the health and safety of the occupants. The Illinois Emergency Management Agency (IEMA) recommends that all residential homes be tested and that corrective actions be taken at levels equal to or greater than 4.0 pCi/L. Radon is a Class A human carcinogen, the leading cause of lung cancer in non-smokers, and the second leading cause of lung cancer overall. For additional information about this facility, contact the licensee, and for additional information regarding radon contact the IEMA Radon Program at 800-325-1245 or on the internet at www.radon.illinois.gov.

Expiration Date: December 5, 2026

Kirsten Schmidt
Measurement Professional
IL License RNI2006204

