

**Sent via electronic mail:** [aneta.mistak@d214.org](mailto: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 Summary for Seven Township High School District 214  
Facilities**

Dear Ms. Mistak:

Date February 14, 2024

At the request of Township High School District 214 (the "District"), Ramboll Americas Engineering Services, Inc. (Ramboll) was retained to facilitate radon testing at all seven (7) District high school facilities. For compliance with State of Illinois – Illinois Emergency Management Agency (IEMA) Department of Nuclear Safety licensing requirements, Ramboll contracted a radon measurement professional, Radon Detection Specialists, Inc. (RDS) to perform testing in accordance with IEMA protocols. Testing was performed in each school, including Day Care Centers, in December of 2023 through January of 2024. Each test was done for a 3-5 day duration, which is considered "short term".

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

In January 2013 IEMA enacted legislation regarding the testing of licensed Day Care Centers and Day Care Homes for Radon. The legislation requires retesting every three (3) years. Previous testing in the Day Care facilities indicated that radon concentrations were below the U.S. Environmental Protection Agency (EPA) and IEMA Action Level (AL) of 4.0 picocuries per liter (pCi/L).

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

Ref 1940105696-003

Signed into law on January 1, 2010, Public Act 96-0417 includes the following action with regard to radon and schools in Illinois:

1. Testing of schools is not required in Illinois, however, IEMA recommends Illinois school districts test their school buildings every five years.
2. If schools choose to test for radon, the Act requires that the results be submitted 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.

The current testing results indicate radon concentrations in all District Day Care Centers were again below the EPA and IEMA recommended AL of 4.0 pCi/L.

Proactive testing in the seven (7) schools included each room in each building that is in contact with soil, as well as 10% of upper-level rooms, duplicate measurements, and classrooms calculated on a per square foot basis (minimum 1 sample per 2,000 square feet in open areas). Results are summarized as follows:

1. John Hersey High School – 219 test locations with all results below the IEMA AL.
2. Forest View Educational Center – 190 test locations with all results below the IEMA AL.

3. Prospect High School – 177 locations tested with all results below the IEMA AL.
4. Buffalo Grove High School – 272 test locations with 2 areas potentially above the IEMA AL – Rooms G157 and J101 South Wall (Fieldhouse).
5. Wheeling High School – 233 test locations with 3 areas potentially above the IEMA AL – Rooms 114, 137, and 139.
6. Rolling Meadows High School – 207 test locations with 9 areas potentially above the IEMA AL – Rooms A105, A105A, A105B, A113, A115, A119, A121, B107, and B108.
7. Elk Grove High School – 222 test locations with 40 areas potentially above the IEMA AL – Rooms 109, 120, 124, 124 Kitchen, 124B, 124D, 124E, 125, 125A, 126A, 126B, 126C, 128, 128C, 128D, 128E, 131, 131A, 132A, 132B, 133, 133B, 133C, 135, 136B, 137, 138, 139, 140, 140A, 141, 143, 144, 145, 146, 147, 148, 149, 161C, and 165J.

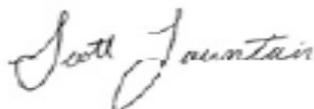
In response to these findings, the District will be taking the following actions:

- The initial tests were “short-term” measurements done for screening purposes. Per the RDS recommendations, long-term (90-day) confirmation radon testing will proceed in Buffalo Grove, Wheeling, Rolling Meadows and Elk Grove High Schools the week starting February 19, 2024 for the rooms identified with potentially elevated radon levels. Radon concentrations will fluctuate over time and long-term sampling is used to confirm findings from the initial short-term screening measurements. Results from the long-term testing take precedence over the short-term screening measurements. Once the final confirmation testing is completed, the report will be provided to the State Board of Education.
- The District will obtain quotes from three (3) IDEM licensed radon mitigation contractors to review the short-term sampling results and assess the potentially impacted areas by the end of February, 2024. Once the radon mitigation contractor is selected, this assessment will include review of as-built-drawings for the four (4) school buildings and provide diagnostic testing to determine the appropriate mitigation requirements. The diagnostic testing will be performed during the 90-day, long-term testing period with the mitigation plan modified, if needed, based on the long-term sampling results.
- Ramboll will perform indoor air quality assessments at Elk Grove and Rolling Meadows High Schools on April 4 & 5, 2024. This testing will include a visual inspection of mechanical systems providing conditioned air to the occupied areas of each building and general ambient air testing to assess ventilation effectiveness.

If you have any questions regarding the above summary, 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,

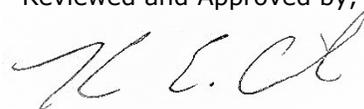
Ramboll Americas Engineering Solutions, Inc.



**Scott C. Fountain**  
Managing Consultant

D 312.288.3819  
[sfountain@ramboll.com](mailto:sfountain@ramboll.com)

Reviewed and Approved by,



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

D 312.288.3808  
[kaikman@ramboll.com](mailto:kaikman@ramboll.com)