

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: Long Term Radon Testing
Buffalo Grove High School**

Dear Ms. Mistak:

Date: June 13, 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 1940105696-002

At the request of Township High School District 214 (THSD214), Ramboll Americas Engineering Services, Inc. (Ramboll) retained Radon Detection Specialists, Inc. (RDS) to perform a long-term radon survey at Buffalo Grove High School (BGHS), 1100 W. Dundee Road, Buffalo Grove, Illinois. The radon testing included all occupied areas of the high school which previously demonstrated potentially elevated radon levels. None of the potentially elevated areas are used as a day care. Radon Detection Specialists are licensed by the IEMA Department of Nuclear Safety (DNS) for both residential and commercial radon testing. The survey was conducted from February 20 – May 24, 2024.

Radon is an odorless, tasteless, and colorless radioactive gas that comes from the decay of naturally occurring uranium in the soil. At BGHS, four (4) passive radon detection devices (Alpha Tracks™) were deployed in two (2) locations on February 20 and retrieved on May 24, 2024, for this survey. The radon detection devices were placed in the rooms by a State of Illinois Licensed Radon Professional.

Long term radon measurements were determined to be below the United States Environmental Protection Agency (USEPA) and IEMA Action Level (AL) of 4.0 picocuries per liter (pCi/L) in both locations. These locations included Room G157 and Gymnasium J101 (south wall). Results ranged from 1.2 to 1.8 pCi/L.

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.

If you have any questions regarding the 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

ATTACHMENTS