

**MCPS RADON TESTING – EXECUTIVE SUMMARY**

|                     |  |
|---------------------|--|
| Site Name           | Poolesville High School  |
| Date of Test Report | 3/2/2023   |
| Round of Testing    | Initial<br>Follow-up<br>Post Remediation<br>2 Year Testing<br>5 Year Testing<br>HVAC Upgrade<br>Window Replacement<br>New Addition<br>New Facility |
| # Rooms Tested      | 101  |
| # Rooms Re-tested   | 5  |
| # Rooms ≥ 4.0 pCi/L | 0  |
| Lowest Value        | <0.3 pCi/L   |
| Highest Value       | 1.9 pCi/L  |

Project Status:

1. Initial testing completed;
2. Missing or compromised samples need re-test.
3. Retesting Completed 2/14/23 – 2/17/23.
4. 5-Year Testing Completed.



March 3, 2023

Mr. Brian Croyle  
Environmental Specialist  
Montgomery County Public Schools  
Gaithersburg, MD 20879

Re: **Radon Testing Services**  
KCI Job # 122210551

Location: Poolesville High School  
17501 West Willard Road  
Poolesville, MD 20837

Dear Mr. Croyle:

KCI Technologies, Inc. (KCI) is pleased to submit the following report to Montgomery County Public Schools (MCPS) pursuant to completing a “short-term” 3 day radon test for the Poolesville High School, located at 17501 West Willard Road, Poolesville, MD 20837 (subject site).

**Scope of Services:**

KCI conducted radon testing at the subject site to evaluate indoor radon levels relative to the USEPA's recommended action level of 4.0 picocuries per Liter (pCi/L) - the level at which EPA recommends that schools take action to reduce the level. KCI conducted the radon testing in accordance with American Association of Radon Scientists and Technologists (AARST) *Protocol for Conducting Measurements of Radon and Radon Decay Products in Schools and Large Buildings*. A National Radon Proficiency Program (NRPP) Radon Measurement Specialist (certification #111004 RT) supervised the testing. Additional information on radon management and the health effects of radon exposure is available from <https://www.montgomeryschoolsmd.org> or [www.epa.gov/radon](http://www.epa.gov/radon).

KCI visited the site initially on January 23, 2023 and deployed one hundred sixteen (116) activated charcoal (AC) radon test kits. KCI deployed radon test kits in all frequently-occupied ground contact rooms, and other areas, (if applicable) in accordance with AARST guidance.

KCI returned to the site on January 26, 2023 to retrieve the radon sampling test kits. KCI shipped all radon tests via overnight delivery to Accustar Labs - MA. for analysis by gamma-ray spectroscopy. Accustar Labs - MA is a NRSB certified analytical laboratory for radon analysis (certification #ARL0017) located at 2 Saber Way, Ward Hill, MA 01835.

KCI re-visited the site on February 14, 2023 to deploy seven (7) activated charcoal (AC) radon test kits for testing of missed rooms or compromised test kits during initial testing.

KCI returned to the site on February 17, 2023 to retrieve the radon re-sampling test kits. KCI shipped all radon tests via overnight delivery to Accustar Labs – MA for analysis by gamma-ray spectroscopy. Accustar Labs – MA is a NRSB certified analytical laboratory for radon analysis (certification #ARL0017) located at 2 Saber Way, Ward Hill, MA 01835.

A floor plan map of the building with the test locations is included as Attachment A of this report.

As a quality control measure, KCI also included duplicate samples, field blanks, lab transit blanks, and office blanks in accordance with AARST recommendations. In addition, KCI submitted test kits to Bowser-Morner, Inc. as spike samples. The spiked tests were exposed to a known radon concentration by Bowser-Morner prior to being returned to the laboratory for analysis.

### **Evaluation of Testing Conditions:**

These tests represent:

- Follow up to initial testing.

These tests were conducted to:

- Evaluate radon concentration levels at the facility.

According to AARST, *Protocol for Conducting Measurements of Radon and Radon Decay Products in Schools and Large Buildings*, ideal testing conditions would be when the building is fully occupied and the heating system is active. For this test, the facility's HVAC system was operating in heating mode; therefore, KCI concludes that this test was conducted during ideal testing conditions.

KCI recorded observations of the following conditions in each room during the time of deployment and collection of the radon test kits:

- Indoor temperature,
- HVAC Operation,
- Dehumidifier operation,
- Humidifier operation,
- Ceiling fan operation, and
- Open windows or doors.

KCI also compiled weather data for the testing period and conducted observations of relevant field conditions. During the test period, weather records indicate temperatures ranged from the 31°F to 52°F. Maximum sustained winds ranged from 5-25 miles per hour. Average humidity was around 60% with .32 inches of precipitation (rain) was recorded during testing period.

During the re-testing period, weather records indicate low temperatures were in the mid-20s°F and high temperatures ranged to the 70s°F. Maximum sustained winds ranged from 0-33 miles per hour. Average humidity was around 62% with 1.01 inches of precipitation (rain) was recorded during testing period.

**Results:**

The sampling locations and analytical results are listed on Table 1 (Attachment B). The quality control sample locations and analytical results are listed on Table 2 (Attachment B). Sampling locations and associated test kit identification numbers and relevant field observations are listed on Table 3 (Attachment B). The laboratory analytical results are included in Attachment C. Laboratory results and exposure data for the spike samples are also included in Attachment C.

The results of the radon test analysis indicated the following:

| <b>Radon Concentration</b> | <b>Room</b>      | <b>Result</b> |
|----------------------------|------------------|---------------|
| <b>≥4.0 pCi/L</b>          | None             | N/A           |
| <b>&lt;4.0 pCi/L</b>       | See Attachment B |               |

The results of the radon re-testing analysis indicated the following:

| <b>Radon Concentration</b> | <b>Room</b>      | <b>Result</b> |
|----------------------------|------------------|---------------|
| <b>≥4.0 pCi/L</b>          | None             | N/A           |
| <b>&lt;4.0 pCi/L</b>       | See Attachment B |               |

| <b>Quality Control Samples</b> |  |
|--------------------------------|--|
| Results of Blank Canisters:    | The office blanks, and lab transit blanks had test results of less than the laboratory detection limit of 0.3 pCi/L. |
| Adequate Laboratory Precision? | Review of the duplicate sample analysis indicates that adequate laboratory measurement precision was achieved.       |
| Spike Sample Analysis:         | The Spike Sample analysis results indicate the laboratory is operating within statistical control limits.            |

Our professional services have been performed in accordance with customary principles and practices in the field of industrial hygiene and engineering. If you have any questions or comments regarding this report, please feel free to contact me at (410) 891-1769.

Sincerely,



Tyler P. McCleaf  
Radon Measurement Provider  
#111004 RT  
KCI Technologies, Inc.

Attachments:   A- Floor Plan with Test Locations  
                  B- Table 1-3, Radon Test Summary Spreadsheets  
                  C- Laboratory Analytical Results

# ATTACHMENT A

## Floor Plan With Test Locations

# ATTACHMENT B

## Radon Test Summary Spreadsheet

**Table Notes:**

AC- Activated Charcoal

ACI- Air Check, Inc.

D- Duplicate

FB- Field Blank

KCI- KCI Technologies, Inc.

OB- Office Blank

PM- Project Manager

OC- Quality Control

| Table 1- Radon Testing Results       |             |        |
|--------------------------------------|-------------|--------|
| Poolestilles HS                      |             |        |
| Test Period: 01/24/2023 - 01/27/2023 |             |        |
| Kit Number                           | Room / Area | Result |
| 11634274                             | 12          | 0.5    |
| 11634128                             | 13          | < 0.3  |
| 11634275                             | 14          | 0.6    |
| 11634132                             | 15          | < 0.3  |
| 11634131                             | 16          | 0.5    |
| 11634138                             | 17          | < 0.3  |
| 11634135                             | 18          | < 0.3  |
| 11634136                             | 18          | 0.7    |
| 11634276                             | 19          | < 0.3  |
| 11634277                             | 20          | < 0.3  |
| 11634279                             | 22          | < 0.3  |
| 11634246                             | 23          | < 0.3  |
| 11634253                             | 23          | < 0.3  |
| 11634273                             | 24          | < 0.3  |
| 11634266                             | 25          | < 0.3  |
| 11634272                             | 26          | < 0.3  |
| 11634270                             | 28          | < 0.3  |
| 11634267                             | 29          | < 0.3  |
| 11634263                             | 30          | < 0.3  |
| 11634255                             | 31          | < 0.3  |
| 11634256                             | 31          | < 0.3  |
| 11634257                             | 31          | < 0.3  |
| 11634262                             | 32          | < 0.3  |
| 11634254                             | 33          | < 0.3  |
| 11634245                             | 34          | < 0.3  |
| 11634137                             | 35          | < 0.3  |
| 11634154                             | 39          | < 0.3  |
| 11634157                             | 39          | < 0.3  |
| 11634127                             | 41          | 0.5    |
| 11634105                             | 44          | < 0.3  |
| 11634102                             | 45          | < 0.3  |
| 11634103                             | 46          | 0.8    |
| 11634104                             | 47          | 0.5    |
| 11634108                             | 49          | < 0.3  |
| 11634124                             | 51          | < 0.3  |
| 11634110                             | 52          | < 0.3  |
| 11634111                             | 53          | < 0.3  |
| 11634112                             | 53          | < 0.3  |
| 11634113                             | 53          | < 0.3  |
| 11634289                             | 54          | < 0.3  |
| 11634133                             | 55          | 0.6    |
| 11634299                             | 59          | < 0.3  |



| Table 1- Radon Testing Results       |                      |        |
|--------------------------------------|----------------------|--------|
| Poolestilles HS                      |                      |        |
| Test Period: 01/24/2023 - 01/27/2023 |                      |        |
| Kit Number                           | Room / Area          | Result |
| 11634294                             | 60                   | < 0.3  |
| 11634291                             | 61                   | < 0.3  |
| 11634298                             | 61                   | < 0.3  |
| 11634293                             | 63                   | < 0.3  |
| 11634300                             | 64                   | 0.6    |
| 11634149                             | 184                  | < 0.3  |
| 11634141                             | 189                  | < 0.3  |
| 11634143                             | 189                  | < 0.3  |
| 11634144                             | 189                  | < 0.3  |
| 11634153                             | 195                  | < 0.3  |
| 11634151                             | 199                  | < 0.3  |
| 11634148                             | 285                  | < 0.3  |
| 11634140                             | 17A                  | < 0.3  |
| 11634142                             | 17B                  | < 0.3  |
| 11634150                             | 184A                 | < 0.3  |
| 11634152                             | 189A                 | < 0.3  |
| 11634278                             | 22A                  | < 0.3  |
| 11634268                             | 26 OFFICE            | < 0.3  |
| 11634271                             | 26 OFFICE            | < 0.3  |
| 11634269                             | 28A                  | < 0.3  |
| 11634259                             | 32 OFFICE            | < 0.3  |
| 11634260                             | 33 OFFICE            | < 0.3  |
| 11634258                             | 33A                  | < 0.3  |
| 11634265                             | 33B                  | < 0.3  |
| 11634146                             | 39A                  | 0.6    |
| 11634145                             | 39B                  | 0.5    |
| 11634147                             | 39C                  | < 0.3  |
| 11634155                             | 39D                  | 0.8    |
| 11634156                             | 39E                  | < 0.3  |
| 11634121                             | 41 BREAK ROOM        | < 0.3  |
| 11634117                             | 41 BUS. ADMIN        | < 0.3  |
| 11634118                             | 41 CONF.             | < 0.3  |
| 11634126                             | 41 FINANCE           | < 0.3  |
| 11634120                             | 42A                  | < 0.3  |
| 11634123                             | 42A                  | < 0.3  |
| 11634115                             | 42A BOOTH            | 0.6    |
| 11634116                             | 42A RECORDING STUIDO | < 0.3  |
| 11634101                             | 45A                  | < 0.3  |
| 11634106                             | 45B                  | 0.6    |
| 11634109                             | 45B                  | < 0.3  |
| 11634107                             | 49A                  | < 0.3  |
| 11634286                             | 54 OFFICE            | < 0.3  |

| Table 1- Radon Testing Results       |                         |        |
|--------------------------------------|-------------------------|--------|
| Poolestilles HS                      |                         |        |
| Test Period: 01/24/2023 - 01/27/2023 |                         |        |
| Kit Number                           | Room / Area             | Result |
| 11634130                             | 58A                     | 0.6    |
| 11634129                             | 58B                     | < 0.3  |
| 11634134                             | 58C                     | < 0.3  |
| 11634295                             | 60 OFFICE               | < 0.3  |
| 11634248                             | ADMIN SECRETARY         | < 0.3  |
| 11634251                             | ASST SCHOOL ADMIN       | 1.9    |
| 11634252                             | ASST. PRINCIPAL         | < 0.3  |
| 11634290                             | AUDITORIUM              | < 0.3  |
| 11634292                             | AUDITORIUM              | < 0.3  |
| 11634244                             | CAFETERIA               | < 0.3  |
| 11634247                             | CAFETERIA               | < 0.3  |
| 11634287                             | DRAMA OFFICE            | < 0.3  |
| 11634280                             | GIRLS AUX LOCKER ROOM   | 0.6    |
| 11634281                             | GIRLS AUX LOCKER ROOM   | 0.5    |
| 11634282                             | GIRLS AUX LOCKER ROOM   | < 0.3  |
| 11634284                             | GIRLS LOCKER OFFICE     | 0.7    |
| 11634283                             | GIRLS LOCKER ROOM       | < 0.3  |
| 11634261                             | GYM CONDITIONING OFFICE | 0.8    |
| 11634264                             | GYM OFFICE              | < 0.3  |
| 11634296                             | HEALTH OFFICE           | < 0.3  |
| 11634243                             | KITCHEN OFFICE          | < 0.3  |
| 11634242                             | MAIN OFFICE             | < 0.3  |
| 11634119                             | MEDIA                   | < 0.3  |
| 11634122                             | MEDIA                   | 0.5    |
| 11634125                             | MEDIA OFFICE            | < 0.3  |
| 11634114                             | MEDIA WORKROOM          | < 0.3  |
| 11634285                             | NEW GYM                 | < 0.3  |
| 11634297                             | NEW GYM                 | < 0.3  |
| 11634249                             | PRINCIPAL               | < 0.3  |
| 11634139                             | SECURITY                | < 0.3  |
| 11634250                             | SECURITY                | < 0.3  |
| 11634288                             | STAGE                   | < 0.3  |

| Table 2- Radon Testing Results   |         |                       |        |
|----------------------------------|---------|-----------------------|--------|
| Pooleville HS                    |         |                       |        |
| Test Period: 01/24/23 - 01/27/23 |         |                       |        |
| Kit Number                       | QC Type | Room / Area           | Result |
| 11634135                         | D       | 18                    | < 0.3  |
| 11634253                         | D       | 23                    | < 0.3  |
| 11634255                         | D       | 31                    | < 0.3  |
| 11634256                         | FB      | 31                    | < 0.3  |
| 11634154                         | D       | 39                    | < 0.3  |
| 11634112                         | FB      | 53                    | < 0.3  |
| 11634113                         | D       | 53                    | < 0.3  |
| 11634143                         | D       | 189                   | < 0.3  |
| 11634144                         | FB      | 189                   | < 0.3  |
| 11634271                         | D       | 26 office             | < 0.3  |
| 11634120                         | D       | 42a                   | < 0.3  |
| 11634123                         | FB      | 42a                   | < 0.3  |
| 11634106                         | D       | 45b                   | 0.6    |
| 11634280                         | D       | Girls aux locker room | 0.6    |
| 11634282                         | FB      | Girls aux locker room | < 0.3  |
| 11633975                         | OB      | OFFICE BLANK          | < 0.3  |
| 11633983                         | TB      | TRAVEL BLANK          | < 0.3  |



| Table 1- Radon Testing Results       |             |        |
|--------------------------------------|-------------|--------|
| Poolesville HS RT                    |             |        |
| Test Period: 02/14/2023 - 02/17/2023 |             |        |
| Kit Number                           | Room / Area | Result |
| 11634068                             | 17          | < 0.3  |
| 11634064                             | 21          | < 0.3  |
| 11634069                             | 40          | 0.7    |
| 11633978                             | 57          | < 0.3  |
| 11634019                             | 57          | < 0.3  |
| 11634063                             | 57          | 0.6    |
| 11634050                             | BOYS LR     | 1.2    |

| Table 2- Radon Testing Results   |         |              |        |
|----------------------------------|---------|--------------|--------|
| Poolesville HS RT                |         |              |        |
| Test Period: 02/14/23 - 02/17/23 |         |              |        |
|                                  |         |              |        |
| Kit Number                       | QC Type | Room / Area  | Result |
| 11634019                         | D       | 57           | < 0.3  |
| 11633978                         | FB      | 57           | < 0.3  |
| 11634060                         | OB      | OFFICE BLANK | < 0.3  |
| 11634067                         | TB      | TRAVEL BALNK | < 0.3  |



# ATTACHMENT C

## Laboratory Analytical Results



Radon test result report for:  
**POOLESVILLE HS**  
**MAIN**

| Kit #    | Room Id   | Started               | Ended                 | pCi/L     | Analyzed   |
|----------|-----------|-----------------------|-----------------------|-----------|------------|
| 11634274 | 12        | 2023-01-24 @ 12:00 pm | 2023-01-27 @ 12:00 pm | 0.5 ± 0.3 | 2023-01-31 |
| 11634128 | 13        | 2023-01-24 @ 3:00 pm  | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634275 | 14        | 2023-01-24 @ 12:00 pm | 2023-01-27 @ 12:00 pm | 0.6 ± 0.3 | 2023-01-31 |
| 11634132 | 15        | 2023-01-24 @ 3:00 pm  | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634131 | 16        | 2023-01-24 @ 3:00 pm  | 2023-01-27 @ 12:00 pm | 0.5 ± 0.3 | 2023-01-31 |
| 11634138 | 17        | 2023-01-24 @ 3:00 pm  | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634140 | 17A       | 2023-01-24 @ 2:00 pm  | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634142 | 17B       | 2023-01-24 @ 2:00 pm  | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634136 | 18        | 2023-01-24 @ 3:00 pm  | 2023-01-27 @ 12:00 pm | 0.7 ± 0.3 | 2023-01-31 |
| 11634135 | 18        | 2023-01-24 @ 3:00 pm  | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634276 | 19        | 2023-01-24 @ 12:00 pm | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634277 | 20        | 2023-01-24 @ 12:00 pm | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634279 | 22        | 2023-01-24 @ 12:00 pm | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634278 | 22A       | 2023-01-24 @ 12:00 pm | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634246 | 23        | 2023-01-24 @ 10:00 am | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634253 | 23        | 2023-01-24 @ 10:00 am | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634273 | 24        | 2023-01-24 @ 11:00 am | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634266 | 25        | 2023-01-24 @ 10:00 am | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634272 | 26        | 2023-01-24 @ 11:00 am | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634271 | 26 OFFICE | 2023-01-24 @ 11:00 am | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634268 | 26 OFFICE | 2023-01-24 @ 11:00 am | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634270 | 28        | 2023-01-24 @ 11:00 am | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634269 | 28A       | 2023-01-24 @ 11:00 am | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634267 | 29        | 2023-01-24 @ 11:00 am | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634263 | 30        | 2023-01-24 @ 11:00 am | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634257 | 31        | 2023-01-24 @ 11:00 am | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634255 | 31        | 2023-01-24 @ 11:00 am | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634256 | 31        | 2023-01-24 @ 11:00 am | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634262 | 32        | 2023-01-24 @ 11:00 am | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634259 | 32 OFFICE | 2023-01-24 @ 11:00 am | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634254 | 33        | 2023-01-24 @ 11:00 am | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634260 | 33 OFFICE | 2023-01-24 @ 11:00 am | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634258 | 33A       | 2023-01-24 @ 11:00 am | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634265 | 33B       | 2023-01-24 @ 11:00 am | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634245 | 34        | 2023-01-24 @ 10:00 am | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634137 | 35        | 2023-01-24 @ 2:00 pm  | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634127 | 41        | 2023-01-24 @ 1:00 pm  | 2023-01-27 @ 12:00 pm | 0.5 ± 0.3 | 2023-01-31 |

Radon test result report for:  
**POOLESVILLE HS**  
**MAIN**

| Kit #    | Room Id              | Started               | Ended                 | pCi/L     | Analyzed   |
|----------|----------------------|-----------------------|-----------------------|-----------|------------|
| 11634121 | 41 BREAK ROOM        | 2023-01-24 @ 2:00 pm  | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634117 | 41 BUS. ADMIN        | 2023-01-24 @ 2:00 pm  | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634118 | 41 CONF.             | 2023-01-24 @ 2:00 pm  | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634126 | 41 FINANCE           | 2023-01-24 @ 1:00 pm  | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634120 | 42A                  | 2023-01-24 @ 2:00 pm  | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634123 | 42A                  | 2023-01-24 @ 2:00 pm  | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634115 | 42A BOOTH            | 2023-01-24 @ 2:00 pm  | 2023-01-27 @ 12:00 pm | 0.6 ± 0.3 | 2023-01-31 |
| 11634116 | 42A RECORDING STUDIO | 2023-01-24 @ 2:00 pm  | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634105 | 44                   | 2023-01-24 @ 1:00 pm  | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634102 | 45                   | 2023-01-24 @ 1:00 pm  | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634109 | 45B                  | 2023-01-24 @ 1:00 pm  | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634106 | 45B                  | 2023-01-24 @ 1:00 pm  | 2023-01-27 @ 12:00 pm | 0.6 ± 0.3 | 2023-01-31 |
| 11634103 | 46                   | 2023-01-24 @ 1:00 pm  | 2023-01-27 @ 12:00 pm | 0.8 ± 0.3 | 2023-01-31 |
| 11634104 | 47                   | 2023-01-24 @ 1:00 pm  | 2023-01-27 @ 12:00 pm | 0.5 ± 0.3 | 2023-01-31 |
| 11634108 | 49                   | 2023-01-24 @ 1:00 pm  | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634107 | 49A                  | 2023-01-24 @ 1:00 pm  | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634124 | 51                   | 2023-01-24 @ 2:00 pm  | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634110 | 52                   | 2023-01-24 @ 1:00 pm  | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634113 | 53                   | 2023-01-24 @ 1:00 pm  | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634112 | 53                   | 2023-01-24 @ 1:00 pm  | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634111 | 53                   | 2023-01-24 @ 1:00 pm  | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634289 | 54                   | 2023-01-24 @ 1:00 pm  | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634286 | 54 OFFICE            | 2023-01-24 @ 1:00 pm  | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634133 | 55                   | 2023-01-24 @ 3:00 pm  | 2023-01-27 @ 12:00 pm | 0.6 ± 0.3 | 2023-01-31 |
| 11634130 | 58A                  | 2023-01-24 @ 3:00 pm  | 2023-01-27 @ 12:00 pm | 0.6 ± 0.3 | 2023-01-31 |
| 11634129 | 58B                  | 2023-01-24 @ 3:00 pm  | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634134 | 58C                  | 2023-01-24 @ 3:00 pm  | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634299 | 59                   | 2023-01-24 @ 12:00 pm | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634294 | 60                   | 2023-01-24 @ 12:00 pm | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634295 | 60 OFFICE            | 2023-01-24 @ 12:00 pm | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634298 | 61                   | 2023-01-24 @ 12:00 pm | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634291 | 61                   | 2023-01-24 @ 12:00 pm | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634293 | 63                   | 2023-01-24 @ 12:00 pm | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634300 | 64                   | 2023-01-24 @ 12:00 pm | 2023-01-27 @ 12:00 pm | 0.6 ± 0.3 | 2023-01-31 |
| 11634248 | ADMIN SECRETARY      | 2023-01-24 @ 10:00 am | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634251 | ASST SCHOOL ADMIN    | 2023-01-24 @ 10:00 am | 2023-01-27 @ 12:00 pm | 1.9 ± 0.4 | 2023-01-31 |
| 11634252 | ASST. PRINCIPAL      | 2023-01-24 @ 10:00 am | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |

Radon test result report for:  
**POOLESVILLE HS**  
**MAIN**

| Kit #    | Room Id                 | Started               | Ended                 | pCi/L     | Analyzed   |
|----------|-------------------------|-----------------------|-----------------------|-----------|------------|
| 11634292 | AUDITORIUM              | 2023-01-24 @ 12:00 pm | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634290 | AUDITORIUM              | 2023-01-24 @ 12:00 pm | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634244 | CAFETERIA               | 2023-01-24 @ 10:00 am | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634247 | CAFETERIA               | 2023-01-24 @ 10:00 am | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634287 | DRAMA OFFICE            | 2023-01-24 @ 1:00 pm  | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634280 | GIRLS AUX LOCKER ROOM   | 2023-01-24 @ 12:00 pm | 2023-01-27 @ 12:00 pm | 0.6 ± 0.3 | 2023-01-31 |
| 11634281 | GIRLS AUX LOCKER ROOM   | 2023-01-24 @ 12:00 pm | 2023-01-27 @ 12:00 pm | 0.5 ± 0.3 | 2023-01-31 |
| 11634282 | GIRLS AUX LOCKER ROOM   | 2023-01-24 @ 12:00 pm | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634284 | GIRLS LOCKER OFFICE     | 2023-01-24 @ 12:00 pm | 2023-01-27 @ 12:00 pm | 0.7 ± 0.3 | 2023-01-31 |
| 11634283 | GIRLS LOCKER ROOM       | 2023-01-24 @ 12:00 pm | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634261 | GYM CONDITIONING OFFICE | 2023-01-24 @ 11:00 am | 2023-01-27 @ 12:00 pm | 0.8 ± 0.3 | 2023-01-31 |
| 11634264 | GYM OFFICE              | 2023-01-24 @ 11:00 am | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634296 | HEALTH OFFICE           | 2023-01-24 @ 12:00 pm | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634243 | KITCHEN OFFICE          | 2023-01-24 @ 10:00 am | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634242 | MAIN OFFICE             | 2023-01-24 @ 10:00 am | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634122 | MEDIA                   | 2023-01-24 @ 2:00 pm  | 2023-01-27 @ 12:00 pm | 0.5 ± 0.3 | 2023-01-31 |
| 11634119 | MEDIA                   | 2023-01-24 @ 2:00 pm  | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634125 | MEDIA OFFICE            | 2023-01-24 @ 2:00 pm  | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634114 | MEDIA WORKROOM          | 2023-01-24 @ 2:00 pm  | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634285 | NEW GYM                 | 2023-01-24 @ 12:00 pm | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634297 | NEW GYM                 | 2023-01-24 @ 12:00 pm | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634249 | PRINCIPAL               | 2023-01-24 @ 10:00 am | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634139 | SECURITY                | 2023-01-24 @ 2:00 pm  | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634250 | SECURITY                | 2023-01-24 @ 10:00 am | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634288 | STAGE                   | 2023-01-24 @ 1:00 pm  | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |

February 1, 2023

**\*\* LABORATORY ANALYSIS REPORT \*\***

Radon test result report for:  
**POOLESVILLE HS  
SCIENCE**

| Kit #    | Room Id | Started              | Ended                 | pCi/L     | Analyzed   |
|----------|---------|----------------------|-----------------------|-----------|------------|
| 11634149 | 184     | 2023-01-24 @ 3:00 pm | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634150 | 184A    | 2023-01-24 @ 3:00 pm | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634150 | 184A    | 2023-01-24 @ 3:00 pm | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634141 | 189     | 2023-01-24 @ 3:00 pm | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634143 | 189     | 2023-01-24 @ 3:00 pm | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634144 | 189     | 2023-01-24 @ 3:00 pm | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634152 | 189A    | 2023-01-24 @ 3:00 pm | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634153 | 195     | 2023-01-24 @ 3:00 pm | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634151 | 199     | 2023-01-24 @ 3:00 pm | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634148 | 285     | 2023-01-24 @ 4:00 pm | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634154 | 39      | 2023-01-24 @ 4:00 pm | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634157 | 39      | 2023-01-24 @ 4:00 pm | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634146 | 39A     | 2023-01-24 @ 4:00 pm | 2023-01-27 @ 12:00 pm | 0.6 ± 0.3 | 2023-01-31 |
| 11634145 | 39B     | 2023-01-24 @ 4:00 pm | 2023-01-27 @ 12:00 pm | 0.5 ± 0.3 | 2023-01-31 |
| 11634147 | 39C     | 2023-01-24 @ 4:00 pm | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |
| 11634155 | 39D     | 2023-01-24 @ 4:00 pm | 2023-01-27 @ 12:00 pm | 0.8 ± 0.3 | 2023-01-31 |
| 11634156 | 39E     | 2023-01-24 @ 4:00 pm | 2023-01-27 @ 12:00 pm | < 0.3     | 2023-01-31 |

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February 2, 2023

**\*\* LABORATORY ANALYSIS REPORT \*\***

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Radon test result report for:  
**POOLESVILLE HS**  
**MAIN**

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| <b>Kit #</b> | <b>Room Id</b> | <b>Started</b>        | <b>Ended</b>          | <b>pCi/L</b> | <b>Analyzed</b> |
|--------------|----------------|-----------------------|-----------------------|--------------|-----------------|
| 11634101     | 45A            | 2023-01-24 @ 11:00 am | 2023-01-27 @ 12:00 pm | < 0.3        | 2023-01-31      |

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| Table 1- Radon Testing Results       |             |        |
|--------------------------------------|-------------|--------|
| Poolesville HS RT                    |             |        |
| Test Period: 02/14/2023 - 02/17/2023 |             |        |
|                                      |             |        |
| Kit Number                           | Room / Area | Result |
| 11634068                             | 17          | < 0.3  |
| 11634064                             | 21          | < 0.3  |
| 11634069                             | 40          | 0.7    |
| 11633978                             | 57          | < 0.3  |
| 11634019                             | 57          | < 0.3  |
| 11634063                             | 57          | 0.6    |
| 11634050                             | BOYS LR     | 1.2    |

**EXPOSURE IN BOWSER-MORNER RADON CHAMBER**

CLIENT KCI TECHNOLOGIES, INC Job Number 208802

NOMINAL Conditions: Radon Conc 24.4 pCi/L Rel. Hum 48.6 % Temp. 79.3 F

Date Start: 1/27/23 Date Stop: 1/30/23 Date Start: \_\_\_\_\_ Date Stop: \_\_\_\_\_

Time Start: 0816 Time Stop: 0816 Time Start: \_\_\_\_\_ Time Stop: \_\_\_\_\_

Device No.'s: (5) CHAR BAGS Device No.'s: \_\_\_\_\_

11633682, 11633687, 11633688 \_\_\_\_\_

11633695, 11633696 \_\_\_\_\_

P3 left

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 µR/h Elevation = 820 ft**

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February 3, 2023

**\*\* LABORATORY ANALYSIS REPORT \*\***

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Radon test result report for:

**OFFICE**

**MAIN**

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| <b>Kit #</b> | <b>Room Id</b> | <b>Started</b>       | <b>Ended</b>         | <b>pCi/L</b> | <b>Analyzed</b> |
|--------------|----------------|----------------------|----------------------|--------------|-----------------|
| 11633696     | SK10           | 2023-01-27 @ 8:00 am | 2023-01-30 @ 8:00 am | 24.2 ± 1.9   | 2023-02-03      |
| 11633682     | SK6            | 2023-01-27 @ 8:00 am | 2023-01-30 @ 8:00 am | 26.9 ± 2.1   | 2023-02-03      |
| 11633687     | SK7            | 2023-01-27 @ 8:00 am | 2023-01-30 @ 8:00 am | 23.8 ± 1.9   | 2023-02-03      |
| 11633688     | SK8            | 2023-01-27 @ 8:00 am | 2023-01-30 @ 8:00 am | 25.9 ± 2.1   | 2023-02-03      |
| 11633695     | SK9            | 2023-01-27 @ 8:00 am | 2023-01-30 @ 8:00 am | 27.0 ± 2.2   | 2023-02-03      |

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### Radon Test Kit Chain of Custody

Project Name: MCPS Radon – Week 2 Retesting January Schools

Name of Schools:

1. A. Mario Loiederman MS
2. Cannon Road ES
3. Forest Knolls ES
4. Glen Haven ES
5. Goshen ES
6. Highland View ES
7. John F. Kennedy HS
8. Lakelands Park MS
9. Montgomery Village MS
10. Poolesville HS
11. Springbrook HS

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|                                  | Date       | Initials |
|----------------------------------|------------|----------|
| Radon Test Kits Deployed         | 02/14/2023 | BMU      |
| Radon Test Kits Collected        | 02/17/2023 | BMU      |
| Radon Test Kits Shipped to Lab*  | 02/17/2023 | BMU      |
| Radon Test Kits Received by Lab* | 02/20/2023 | BMU      |

\*All samples sent to Air Check, Inc., 2 Saber Way, Ward Hill, MA 01835

# RADON SCREENING SURVEY – FOLLOW-UP POOLESVILLE HIGH SCHOOL

17501 West Willard Road, Poolesville, Maryland 20837

## EXECUTIVE SUMMARY

|  |  |
|--|--|
| Date of Test Report:                                 | 3/16/16 Follow-Up  |
| Round of Testing:                                    | Initial<br><span style="border: 1px solid red; border-radius: 50%; padding: 2px;">Follow-up</span><br>Post Remediation |
| # Rooms Tested                                       | 5  |
| # Rooms $\geq$ 4.0 pCi/L:                            | 0  |
| Low Value:   | <0.3   |
| High Value:  | 0.7  |
| Confirmed Rooms $\geq$ 4.0 pCi/L US EPA Action Level | 0  |

### Summary of Sampling Events $\geq$ 4.0 pCi/L

| Room  | Result (pCi/L)<br>1/26/16 Initial | Result (pCi/L)<br>3/16/16 Follow-Up | Average Result<br>(pCi/L) |
|-------|-----------------------------------|-------------------------------------|---------------------------|
| 61    | <0.3 Tampered                     | <0.3                                | <0.3                      |
| 1001D | Locked                            | 0.7                                 | 0.7                       |
| 1001F | Locked                            | <0.3                                | <0.3                      |
| 100E  | Locked                            | 0.6                                 | 0.6                       |
| 1045E | Locked                            | <0.3                                | <0.3                      |
|       |                                   |                                     |                           |
|       |                                   |                                     |                           |



## MCPS RADON TESTING

### Executive Summary: Poolesville High School

|                           |  |
|---------------------------|--|
| Date of Test Report:      | 3/16/2016                                |
| Round of Testing:         | Initial<br>Follow-up<br>Post Remediation |
| # Rooms Tested:           | 5  |
| # Rooms $\geq$ 4.0 pCi/L: | 0  |
| Low Value:                | < 0.3                                    |
| High Value:               | 0.7                                      |

### Project Status:

Retesting completed; no further action at this time.



March 16, 2016

Mr. Richard Cox  
Indoor Air Quality Team Leader  
Montgomery County Public Schools  
850 Hungerford Drive  
Rockville, MD 20850

Re: **Radon Testing Services**  
KCI Job # 12146341.29

Location: Poolesville High School  
17501 West Willard Road  
Poolesville, MD 20837

Dear Mr. Cox:

KCI Technologies, Inc. (KCI) is pleased to submit the following report to the Montgomery County Public Schools (MCPS) pursuant to completing a “short-term” 3 day radon test for the Poolesville High School, located at 17501 West Willard Road in Poolesville, Maryland 20837 (subject site).

**Scope of Services:**

KCI conducted radon testing at the subject site to evaluate indoor radon levels relative to the USEPA's recommended action level of 4.0 picocuries per Liter (pCi/L) - the level at which EPA recommends that schools take action to reduce the level. KCI conducted the radon testing in accordance with American Association of Radon Scientists and Technologists (AARST) *Protocol for Conducting Measurements of Radon and Radon Decay Products in Schools and Large Buildings*. A National Radon Safety Board (NRSB) Radon Measurement Specialist (certification #14SS056) supervised the testing. Additional information on radon management and the health effects of radon exposure is available from [www.montgomerycountymd.gov/dep/air/radon](http://www.montgomerycountymd.gov/dep/air/radon) or [www.epa.gov/radon](http://www.epa.gov/radon).

KCI visited the site on February 23, 2016 and deployed seven (7) activated charcoal (AC) radon test kits. KCI deployed radon test kits in frequently-occupied ground contact rooms, and other areas, (if applicable) in accordance with AARST guidance. A floor plan map of the building with the test locations is included as Attachment A of this report.

As a quality control measure, KCI included duplicate samples, field blanks, lab transit blanks, and office blanks in accordance with AARST recommendations. In addition, KCI submitted six (6) test kits to Bowser-Morner, Inc. as spike samples. The spiked tests were exposed to a known radon concentration by Bowser-Morner prior to being returned to the laboratory for analysis.

KCI returned to the site on February 26, 2016 to retrieve the radon sampling test kits. KCI shipped all radon tests via overnight delivery to Airchek, Inc. for analysis by gamma-ray spectroscopy. Airchek, Inc. is a NRSB certified analytical laboratory for radon analysis (certification # ARL1402) located at 1936

Butler Bridge Road, Mills River, North Carolina.

**Evaluation of Testing Conditions:**

The operating condition that represents the greatest amount of significantly occupied time for this building is; heating active, with outdoor temperature averages  $\leq 65^{\circ}$  F.

KCI concludes that the test period reasonably represents normal conditions when the building is significantly occupied. Clear characterization of the radon hazard is most likely to be observed under this normal operating condition. Based on the evaluation of test conditions, this test should reasonably characterize radon hazards.

KCI also conducted observations of field conditions which could affect the results of the test and compiled weather data for the testing period. Note that strong storms and heavy rainfall were recorded during the test period. The unusual weather conditions may have resulted in atypical radon test results for this facility.

KCI recorded observations of the following conditions in each room at the time of deployment and collection of the radon test kits:

- Indoor temperature,
- HVAC Operation,
- Dehumidifier operation,
- Humidifier operation,
- Ceiling fan operation, and
- Open windows or doors.

**Results:**

The results of the radon test analysis indicated the following:

| <b>Radon Concentration</b> | <b>Room</b>      | <b>Result</b> |
|----------------------------|------------------|---------------|
| $\geq 4.0$ pCi/L           | none             | n/a           |
| $< 4.0$ pCi/L              | See Attachment B |               |

Notes:

D- Duplicate sample

The field blank, office blanks, and lab transit blanks had test results of less than the laboratory detection limit of 0.3 pCi/L. Review of the duplicate sample analysis indicates that adequate laboratory measurement precision was achieved. The Spike sample analysis results indicate the laboratory is operating within statistical control limits.

The sampling locations, field observations, and analytical results are listed on Table 1 (Attachment B). The laboratory analytical results are also attached (Attachment C). Laboratory results and exposure data for the spike samples are also included in Attachment C.

Our professional services have been performed in accordance with customary principles and practices in the field of industrial hygiene and engineering. If you have any questions or comments regarding this report, please feel free to contact me at (410) 316-7800.

Sincerely,



James M. Mouldale  
Radon Measurement Specialist  
KCI Technologies, Inc.

Attachments:      A- Floor Plan with Test Locations  
                          B- Table 1-Radon Test Summary Spreadsheet  
                          C- Laboratory Analytical Results

# ATTACHMENT A

## Floor Plan With Test Locations

# ATTACHMENT B

## Radon Test Summary Spreadsheet



**Table Notes:**

AC- Activated Charcoal

ACI- Air Chek, Inc.

D- Duplicate

FB- Field Blank

KCI- KCI Technologies, Inc.

OB- Office Blank\*

PM- Project Manager

QC- Quality Control

\*Office blanks were submitted at a rate of 1% for all samples deployed in Phase 9 testing. Office blanks were not submitted under each school individually.

| <b>Radon Testing Results</b>          |                    |               |
|---------------------------------------|--------------------|---------------|
| <b>Poolesville High School</b>        |                    |               |
| <b>Test Period: 02/23/16-02/26/16</b> |                    |               |
| <b>Kit Number</b>                     | <b>Room / Area</b> | <b>Result</b> |
| 7719490                               | 61                 | < 0.3         |
| 7719492                               | 1001D              | 0.7           |
| 7732176                               | 1001F              | < 0.3         |
| 7732177                               | 100E               | 0.6           |
| 7730693                               | 1045E              | < 0.3         |

Table Note:

\* Missing or Compromised Sample

| <b>Radon Testing Results</b>          |                |               |
|---------------------------------------|----------------|---------------|
| <b>Poolesville High School</b>        |                |               |
| <b>Test Period: 02/23/16-02/26/16</b> |                |               |
| <b>Kit Number</b>                     | <b>QC Type</b> | <b>Result</b> |
| 7732168                               | D (1001F)      | 0.5           |
| 7729913                               | FB (1001F)     | < 0.3         |

Table Note:

\* Missing or Compromised Sample

# ATTACHMENT C

## Laboratory Analytical Results

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March 8, 2016 **\*\* LABORATORY ANALYSIS REPORT \*\***

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Radon test result report for:  
**POOLESVILLE HIGH SCHOOL  
MAIN**

---

| Kit #   | Room Id | Started               | Ended                | pCi/L     | Analyzed   |
|---------|---------|-----------------------|----------------------|-----------|------------|
| 7719492 | 1001D   | 2016-02-23 @ 9:00 am  | 2016-02-26 @ 7:00 am | 0.7 ± 0.3 | 2016-03-01 |
| 7729913 | 1001F   | 2016-02-23 @ 9:00 am  | 2016-02-26 @ 7:00 am | < 0.3     | 2016-03-01 |
| 7732168 | 1001F   | 2016-02-23 @ 9:00 am  | 2016-02-26 @ 7:00 am | 0.5 ± 0.3 | 2016-03-01 |
| 7732176 | 1001F   | 2016-02-23 @ 9:00 am  | 2016-02-26 @ 7:00 am | < 0.3     | 2016-03-01 |
| 7732177 | 100E    | 2016-02-23 @ 9:00 am  | 2016-02-26 @ 7:00 am | 0.6 ± 0.3 | 2016-03-01 |
| 7730693 | 1045E   | 2016-02-23 @ 10:00 am | 2016-02-26 @ 7:00 am | < 0.3     | 2016-03-01 |
| 7719490 | 61      | 2016-02-23 @ 9:00 am  | 2016-02-26 @ 7:00 am | < 0.3     | 2016-03-01 |

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Air Chek, Inc. 1936 Butler Bridge Rd, Mills River, NC 28759-3892 Phone: (828) 684-0893 Fax: (828) 684-8498

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March 9, 2016 **\*\* LABORATORY ANALYSIS REPORT \*\***

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Radon test result report for:  
**MCPS**  
**Phase 9 Office Blanks**

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| <b>Kit #</b> | <b>Room Id</b> | <b>Started</b>       | <b>Ended</b>         | <b>pCi/L</b> | <b>Analyzed</b> |
|--------------|----------------|----------------------|----------------------|--------------|-----------------|
| 7712568      | 0              | 2016-02-22 @ 6:00 pm | 2016-02-25 @ 3:00 pm | < 0.3        | 2016-02-29      |
| 7712584      | 0              | 2016-02-22 @ 6:00 pm | 2016-02-25 @ 3:00 pm | < 0.3        | 2016-02-29      |
| 7719460      | 0              | 2016-02-22 @ 6:00 pm | 2016-02-25 @ 3:00 pm | < 0.3        | 2016-02-29      |
| 7719481      | 0              | 2016-02-22 @ 6:00 pm | 2016-02-25 @ 3:00 pm | < 0.3        | 2016-02-29      |
| 7719497      | 0              | 2016-02-22 @ 6:00 pm | 2016-02-25 @ 3:00 pm | < 0.3        | 2016-02-29      |
| 7719498      | 0              | 2016-02-22 @ 6:00 pm | 2016-02-25 @ 3:00 pm | < 0.3        | 2016-02-29      |

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Air Chek, Inc. 1936 Butler Bridge Rd, Mills River, NC 28759-3892 Phone: (828) 684-0893 Fax: (828) 684-8498

---

March 9, 2016 **\*\* LABORATORY ANALYSIS REPORT \*\***

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Radon test result report for:  
**MCPS**  
**Phase 9 Office Blanks**

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| Kit #   | Room Id | Started              | Ended                | pCi/L | Analyzed   |
|---------|---------|----------------------|----------------------|-------|------------|
| 7731626 | 0       | 2016-02-23 @ 2:00 pm | 2016-02-26 @ 3:00 pm | < 0.3 | 2016-03-01 |
| 7731633 | 0       | 2016-02-23 @ 2:00 pm | 2016-02-26 @ 3:00 pm | < 0.3 | 2016-03-01 |
| 7735204 | 0       | 2016-02-23 @ 2:00 pm | 2016-02-26 @ 3:00 pm | < 0.3 | 2016-03-01 |

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February 23, 2016  
**LABORATORY ANALYSIS REPORT**

Radon test result report for:  
**TRANSIT- PHASE 7, 8, 9**  
**NONE**

| Kit #   | Room Id | Started              | Ended                 | pCi/L | Analyzed   |
|---------|---------|----------------------|-----------------------|-------|------------|
| 7734937 | 1       | 2016-02-19 @ 3:00 pm | 2016-02-22 @ 11:00 am | < 0.3 | 2016-02-23 |
| 7734946 | 10      | 2016-02-19 @ 4:00 pm | 2016-02-22 @ 11:00 am | < 0.3 | 2016-02-23 |
| 7734955 | 11      | 2016-02-19 @ 4:00 pm | 2016-02-22 @ 11:00 am | < 0.3 | 2016-02-23 |
| 7734956 | 12      | 2016-02-19 @ 4:00 pm | 2016-02-22 @ 11:00 am | < 0.3 | 2016-02-23 |
| 7734959 | 13      | 2016-02-19 @ 4:00 pm | 2016-02-22 @ 11:00 am | < 0.3 | 2016-02-23 |
| 7734930 | 14      | 2016-02-19 @ 4:00 pm | 2016-02-22 @ 11:00 am | < 0.3 | 2016-02-23 |
| 7734953 | 15      | 2016-02-19 @ 4:00 pm | 2016-02-22 @ 11:00 am | < 0.3 | 2016-02-23 |
| 7734954 | 16      | 2016-02-19 @ 4:00 pm | 2016-02-22 @ 11:00 am | < 0.3 | 2016-02-23 |
| 7734940 | 17      | 2016-02-19 @ 4:00 pm | 2016-02-22 @ 11:00 am | < 0.3 | 2016-02-23 |
| 7734949 | 18      | 2016-02-19 @ 4:00 pm | 2016-02-22 @ 11:00 am | < 0.3 | 2016-02-23 |
| 7734948 | 19      | 2016-02-19 @ 4:00 pm | 2016-02-22 @ 11:00 am | < 0.3 | 2016-02-23 |
| 7734939 | 2       | 2016-02-19 @ 3:00 pm | 2016-02-22 @ 11:00 am | < 0.3 | 2016-02-23 |
| 7734942 | 20      | 2016-02-19 @ 4:00 pm | 2016-02-22 @ 11:00 am | < 0.3 | 2016-02-23 |
| 7734929 | 21      | 2016-02-19 @ 4:00 pm | 2016-02-22 @ 11:00 am | < 0.3 | 2016-02-23 |
| 7734933 | 22      | 2016-02-19 @ 4:00 pm | 2016-02-22 @ 11:00 am | < 0.3 | 2016-02-23 |
| 7734934 | 23      | 2016-02-19 @ 4:00 pm | 2016-02-22 @ 11:00 am | < 0.3 | 2016-02-23 |
| 7734936 | 24      | 2016-02-19 @ 4:00 pm | 2016-02-22 @ 11:00 am | < 0.3 | 2016-02-23 |
| 7734943 | 25      | 2016-02-19 @ 4:00 pm | 2016-02-22 @ 11:00 am | < 0.3 | 2016-02-23 |
| 7734944 | 26      | 2016-02-19 @ 4:00 pm | 2016-02-22 @ 11:00 am | < 0.3 | 2016-02-23 |
| 7734935 | 27      | 2016-02-19 @ 4:00 pm | 2016-02-22 @ 11:00 am | < 0.3 | 2016-02-23 |
| 7734928 | 28      | 2016-02-19 @ 4:00 pm | 2016-02-22 @ 11:00 am | < 0.3 | 2016-02-23 |
| 7734952 | 29      | 2016-02-19 @ 4:00 pm | 2016-02-22 @ 11:00 am | < 0.3 | 2016-02-23 |
| 7734947 | 3       | 2016-02-19 @ 3:00 pm | 2016-02-22 @ 11:00 am | < 0.3 | 2016-02-23 |
| 7734931 | 30      | 2016-02-19 @ 4:00 pm | 2016-02-22 @ 11:00 am | < 0.3 | 2016-02-23 |
| 7734932 | 31      | 2016-02-19 @ 4:00 pm | 2016-02-22 @ 11:00 am | < 0.3 | 2016-02-23 |
| 7718520 | 32      | 2016-02-19 @ 4:00 pm | 2016-02-22 @ 11:00 am | < 0.3 | 2016-02-23 |
| 7718523 | 33      | 2016-02-19 @ 4:00 pm | 2016-02-22 @ 11:00 am | < 0.3 | 2016-02-23 |
| 7718522 | 34      | 2016-02-19 @ 4:00 pm | 2016-02-22 @ 11:00 am | < 0.3 | 2016-02-23 |
| 7718521 | 35      | 2016-02-19 @ 4:00 pm | 2016-02-22 @ 11:00 am | < 0.3 | 2016-02-23 |
| 7734945 | 4       | 2016-02-19 @ 3:00 pm | 2016-02-22 @ 11:00 am | < 0.3 | 2016-02-23 |
| 7734960 | 5       | 2016-02-19 @ 4:00 pm | 2016-02-22 @ 11:00 am | < 0.3 | 2016-02-23 |
| 7734958 | 6       | 2016-02-19 @ 4:00 pm | 2016-02-22 @ 11:00 am | < 0.3 | 2016-02-23 |
| 7734951 | 7       | 2016-02-19 @ 4:00 pm | 2016-02-22 @ 11:00 am | < 0.3 | 2016-02-23 |
| 7734957 | 8       | 2016-02-19 @ 4:00 pm | 2016-02-22 @ 11:00 am | < 0.3 | 2016-02-23 |
| 7734938 | 9       | 2016-02-19 @ 4:00 pm | 2016-02-22 @ 11:00 am | < 0.3 | 2016-02-23 |



February  
15,  
2016

**\*\*LABORATORY ANALYSIS  
REPORT \*\***

Spike Sample Laboratory Results

Radon test result report for:  
**MCPS**

| <b>Kit #</b> | <b>Room Id</b> | <b>Started</b>       | <b>Ended</b>         | <b>pCi/L</b> | <b>Analyzed</b> |
|--------------|----------------|----------------------|----------------------|--------------|-----------------|
| 7718273      | 101A           | 2016-01-30 @ 9:00 am | 2016-02-01 @ 9:00 am | 6.5 ± 0.6    | 2016-02-04      |
| 7718281      | 102B           | 2016-01-30 @ 9:00 am | 2016-02-01 @ 9:00 am | 6.4 ± 0.6    | 2016-02-04      |
| 7718282      | 103C           | 2016-01-30 @ 9:00 am | 2016-02-01 @ 9:00 am | 6.3 ± 0.6    | 2016-02-04      |
| 7718288      | 104D           | 2016-01-30 @ 9:00 am | 2016-02-01 @ 9:00 am | 6.7 ± 0.6    | 2016-02-04      |
| 7718289      | 105E           | 2016-01-30 @ 9:00 am | 2016-02-01 @ 9:00 am | 6.6 ± 0.6    | 2016-02-04      |
| 7718291      | 106F           | 2016-01-30 @ 9:00 am | 2016-02-01 @ 9:00 am | 6.5 ± 0.6    | 2016-02-04      |

Air Chek, Inc. 1936 Butler Bridge Rd, Mills River, NC 28759-3892 Phone: (828) 684-0893 Fax: (828) 684-8498

Note: Spike samples are test canisters that are deliberately exposed to a controlled high level of radon in a laboratory. They provide a quality control measure in the testing process and do NOT reflect radon levels in the building being tested.

# EXPOSURE IN BOWSER-MORNER RADON CHAMBER

CLIENT KCF Technologies Inc. Job Number 173704

NOMINAL Conditions: Radon Conc 5.9 pCi/L Rel. Hum 45.9 % Temp. 79.0 F

Date Start: 11/30/16 Date Stop: 2/1/16 Date Start: \_\_\_\_\_ Date Stop: \_\_\_\_\_

Time Start: 0926 Time Stop: 0926 Time Start: \_\_\_\_\_ Time Stop: \_\_\_\_\_

Device No.'s: (6) Char. Bags - Device No.'s: \_\_\_\_\_

7718281, 7718282, 7718291, \_\_\_\_\_

7718288, 7718289, 7718273 \_\_\_\_\_

ε3 Left

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  $\mu$ R/h Elevation = 820 ft



## Radon Test Kit Chain of Custody

Project Name: MCPS Radon Phase 9

Name of Schools:

- |                          |                           |                        |
|--------------------------|---------------------------|------------------------|
| 1. Rocking Horse Road ES | 16. Broad Acres ES        | 31. Rosa Parks MS      |
| 2. Rockwell ES           | 17. Belmont ES            | 32. Rosemary Hills ES  |
| 3. Oakland Terrace ES    | 18. Emory Grove Center    | 33. Sequoyah ES        |
| 4. Rosemont ES           | 19. Forest Knolls ES      | 34. Damascus HS        |
| 5. Beall ES              | 20. Baker MS              | 35. Einstein ES        |
| 6. Cresthaven ES         | 21. MLK MS                | 36. Forest Oak MS      |
| 7. Quince Orchard HS     | 22. Richard Montgomery HS | 37. Hoover MS          |
| 8. Smith Center          | 23. Sherwood HS           | 38. Julius West MS     |
| 9. Ashburton ES          | 24. Walter Johnson HS     | 39. John F. Kennedy HS |
| 10. Bannockburn ES       | 25. Diamond ES            | 40. Travilah ES        |
| 11. Bradley Hills ES     | 26. Newport Mill MS       | 41. Watkins Mill HS    |
| 12. Cannon Road ES       | 27. Drew ES               | 42. Northwood HS       |
| 13. Flora M. Singer ES   | 28. Monocacy ES           | 43. Lincoln Center     |
| 14. Clarksburg HS        | 29. Potomac ES            |                        |
| 15. Briggs Chaney MS     | 30. Rock Terrace School   |                        |

---

|                                  | Date    | Initials |
|----------------------------------|---------|----------|
| Radon Test Kits Deployed         | 2/22/16 | JM       |
| Radon Test Kits Collected        | 2/25/16 | JM       |
| Radon Test Kits Shipped to Lab*  | 2/25/16 | JM       |
| Radon Test Kits Received by Lab* | 2/29/16 | JM       |

\*All samples sent to Air Check, Inc., 1936 Butler Bridge Rd, Mills River, NC 28759



## Radon Test Kit Chain of Custody

Project Name: MCPS Radon Phase 9

Name of Schools:

- |                            |                         |
|----------------------------|-------------------------|
| 1. Banneker MS             | 10. Maryvale ES         |
| 2. Bethesda-Chevy Chase HS | 11. Montgomery Blair HS |
| 3. Burtonsville ES         | 12. Poolesville HS      |
| 4. Chevy Chase ES          | 13. Rachel Carson ES    |
| 5. Clopper Mill ES         | 14. Stedwick ES         |
| 6. Edison HS               | 15. Watkins Mill ES     |
| 7. Flower Hill ES          | 16. Laytonsville ES     |
| 8. Flower Valley ES        | 17. Lincoln Center      |
| 9. Greencastle ES          |                         |

---

|                                  | Date    | Initials |
|----------------------------------|---------|----------|
| Radon Test Kits Deployed         | 2/23/16 | JM       |
| Radon Test Kits Collected        | 2/26/16 | JM       |
| Radon Test Kits Shipped to Lab*  | 2/26/16 | JM       |
| Radon Test Kits Received by Lab* | 3/01/16 | JM       |

\*All samples sent to Air Check, Inc., 1936 Butler Bridge Rd, Mills River, NC 28759



## MCPS RADON TESTING

### Executive Summary: Poolesville High School

|                           |  |
|---------------------------|--|
| Date of Test Report:      | 1/26/2016                                |
| Round of Testing:         | Initial<br>Follow-up<br>Post Remediation |
| # Rooms Tested:           | 115                                      |
| # Rooms $\geq$ 4.0 pCi/L: | 0  |
| Low Value:                | < 0.3                                    |
| High Value:               | 0.9                                      |

### Project Status:

Initial testing completed; missing or compromised samples need re-test.



January 26, 2016

Mr. Richard Cox  
Indoor Air Quality Team Leader  
Montgomery County Public Schools  
850 Hungerford Drive  
Rockville, MD 20850

Re: **Radon Testing Services**  
KCI Job # 12146341.21

Location: Poolesville High School  
17501 West Willard Road  
Poolesville, MD 20837

Dear Mr. Cox:

KCI Technologies, Inc. (KCI) is pleased to submit the following report to the Montgomery County Public Schools (MCPS) pursuant to completing a “short-term” 3 day radon test for the Poolesville High School, located at 17501 West Willard Road in Poolesville, Maryland 20837 (subject site).

**Scope of Services:**

KCI conducted radon testing at the subject site to evaluate indoor radon levels relative to the USEPA's recommended action level of 4.0 picocuries per Liter (pCi/L) - the level at which EPA recommends that schools take action to reduce the level. KCI conducted the radon testing in accordance with American Association of Radon Scientists and Technologists (AARST) *Protocol for Conducting Measurements of Radon and Radon Decay Products in Schools and Large Buildings*. A National Radon Safety Board (NRSB) Radon Measurement Specialist (certification #14SS056) supervised the testing. Additional information on radon management and the health effects of radon exposure is available from [www.montgomerycountymd.gov/dep/air/radon](http://www.montgomerycountymd.gov/dep/air/radon) or [www.epa.gov/radon](http://www.epa.gov/radon).

KCI visited the site on December 28, 2015 and deployed one hundred thirty-three (133) activated charcoal (AC) radon test kits. KCI deployed radon test kits in frequently-occupied ground contact rooms, and other areas, (if applicable) in accordance with AARST guidance. A floor plan map of the building with the test locations is included as Attachment A of this report.

As a quality control measure, KCI included duplicate samples, field blanks, lab transit blanks, and office blanks in accordance with AARST recommendations. In addition, KCI submitted six (6) test kits to Bowser-Morner, Inc. as spike samples. The spiked tests were exposed to a known radon concentration by Bowser-Morner prior to being returned to the laboratory for analysis.

KCI returned to the site on December 31, 2015 to retrieve the radon sampling test kits. KCI shipped all radon tests via overnight delivery to Airchek, Inc. for analysis by gamma-ray spectroscopy. Airchek, Inc. is a NRSB certified analytical laboratory for radon analysis (certification # ARL1402) located at 1936

Butler Bridge Road, Mills River, North Carolina.

**Evaluation of Testing Conditions:**

The operating condition that represents the greatest amount of significantly occupied time for this building is; heating active, with outdoor temperature averages  $\leq 65^{\circ}$  F.

KCI concludes that the test period reasonably represents normal conditions when the building is significantly occupied. Clear characterization of the radon hazard is most likely to be observed under this normal operating condition. Based on the evaluation of test conditions, this test should reasonably characterize radon hazards.

KCI also conducted observations of field conditions which could affect the results of the test and compiled weather data for the testing period. KCI recorded observations of the following conditions in each room at the time of deployment and collection of the radon test kits:

- Indoor temperature,
- HVAC Operation,
- Dehumidifier operation,
- Humidifier operation,
- Ceiling fan operation, and
- Open windows or doors.

**Results:**

The results of the radon test analysis indicated the following:

| <b>Radon Concentration</b> | <b>Room</b>      | <b>Result</b> |
|----------------------------|------------------|---------------|
| $\geq 4.0$ pCi/L           | none             | n/a           |
| $< 4.0$ pCi/L              | See Attachment B |               |

Notes:  
D- Duplicate sample

All field blanks, office blanks, and lab transit blanks had test results of less than the laboratory detection limit of 0.3 pCi/L. Review of the duplicate sample analysis indicates that adequate laboratory measurement precision was achieved. The Spike sample analysis results indicate the laboratory is operating within statistical control limits.

The sampling locations, field observations, and analytical results are listed on Table 1 (Attachment B). The laboratory analytical results are also attached (Attachment C). Laboratory results and exposure data for the spike samples are also included in Attachment C.

Our professional services have been performed in accordance with customary principles and practices in the field of industrial hygiene and engineering. If you have any questions or comments regarding this report, please feel free to contact me at (410) 316-7800.

Sincerely,



James M. Mouldale  
Radon Measurement Specialist  
KCI Technologies, Inc.

Attachments:      A- Floor Plan with Test Locations  
                          B- Table 1-Radon Test Summary Spreadsheet  
                          C- Laboratory Analytical Results



# ATTACHMENT B

## Radon Test Summary Spreadsheet

**Table Notes:**

AC- Activated Charcoal

ACI- Air Chek, Inc.

D- Duplicate

FB- Field Blank

KCI- KCI Technologies, Inc.

OB- Office Blank

PM- Project Manager

QC- Quality Control

| Radon Testing Results          |             |        |
|--------------------------------|-------------|--------|
| Pooleville H.S.                |             |        |
| Test Period: 12/28/15-12/31/15 |             |        |
| Kit Number                     | Room / Area | Result |
| 7711808                        | 1           | < 0.3  |
| 7713914                        | 2           | < 0.3  |
| 7710194                        | 3           | < 0.3  |
| 7711827                        | 4           | < 0.3  |
| 7710198                        | 6           | < 0.3  |
| 7713916                        | 8           | < 0.3  |
| 7714899                        | 9           | < 0.3  |
| 7714895                        | 10          | < 0.3  |
| 7714891                        | 11          | < 0.3  |
| 7713831                        | 12          | < 0.3  |
| 7711824                        | 13          | 0.6    |
| 7713834                        | 14          | < 0.3  |
| 7711807                        | 15          | < 0.3  |
| 7713833                        | 16          | < 0.3  |
| 7714823                        | 17          | < 0.3  |
| 7713835                        | 18          | < 0.3  |
| 7713915                        | 19          | < 0.3  |
| 7714811                        | 20          | 0.6    |
| 7713807                        | 21          | < 0.3  |
| 7710190                        | 22          | < 0.3  |
| 7713811                        | 23          | < 0.3  |
| 7714813                        | 24          | < 0.3  |
| 7714817                        | 26          | < 0.3  |
| 7714805                        | 28          | < 0.3  |
| 7714803                        | 29          | < 0.3  |
| 7714829                        | 30          | < 0.3  |
| 7714812                        | 31          | 0.7    |
| 7714810                        | 32          | < 0.3  |
| 7714820                        | 33          | < 0.3  |
| 7714887                        | 34          | < 0.3  |
| 7714892                        | 35          | < 0.3  |
| 7714864                        | 36          | < 0.3  |
| 7714890                        | 37          | < 0.3  |
| 7714847                        | 38          | < 0.3  |
| 7714843                        | 39          | < 0.3  |
| 7714886                        | 40          | 0.7    |
| 7714828                        | 41          | < 0.3  |
| 7714875                        | 42          | < 0.3  |
| 7714880                        | 43          | < 0.3  |
| 7714863                        | 44          | < 0.3  |
| 7714831                        | 45          | 0.6    |
| 7714868                        | 46          | < 0.3  |
| 7714832                        | 47          | < 0.3  |
| 7714833                        | 48          | < 0.3  |
| 7714834                        | 49          | < 0.3  |
| 7714835                        | 51          | < 0.3  |

Table Note:

\* Missing or Compromised Sample

| Radon Testing Results          |                 |        |
|--------------------------------|-----------------|--------|
| Pooleville H.S.                |                 |        |
| Test Period: 12/28/15-12/31/15 |                 |        |
| Kit Number                     | Room / Area     | Result |
| 7714836                        | 52              | < 0.3  |
| 7714896                        | 53              | < 0.3  |
| 7714838                        | 54              | < 0.3  |
| 7714842                        | 55              | < 0.3  |
| 7714802                        | 57              | < 0.3  |
| 7711802                        | 58              | < 0.3  |
| 7714859                        | 59              | < 0.3  |
| 7714845                        | 60              | < 0.3  |
| 7714865                        | 61              | < 0.3  |
| 7714907                        | 184             | < 0.3  |
| 7714849                        | 195             | < 0.3  |
| 7714853                        | 198             | < 0.3  |
| 7714874                        | 198             | < 0.3  |
| 7714893                        | 199             | < 0.3  |
| 7714854                        | 285             | < 0.3  |
| 7714879                        | 298             | < 0.3  |
| 7714908                        | 184A            | < 0.3  |
| 7714877                        | 189A            | < 0.3  |
| 7714850                        | 198B            | < 0.3  |
| 7714851                        | 199B            | < 0.3  |
| 7714906                        | 26B             | < 0.3  |
| 7714816                        | 28B             | < 0.3  |
| 7711803                        | 33AB            | < 0.3  |
| 7714904                        | 33B             | < 0.3  |
| 7714884                        | 42A             | 0.6    |
| 7714862                        | * 61 (tampered) | < 0.3  |
| 7714872                        | AS              | < 0.3  |
| 7714852                        | AUD             | < 0.3  |
| 7714857                        | AUD             | < 0.3  |
| 7714858                        | AUD             | < 0.3  |
| 7714861                        | AUD             | < 0.3  |
| 7714881                        | BM              | < 0.3  |
| 7714826                        | BSO             | < 0.3  |
| 7714873                        | C               | 0.6    |
| 7714806                        | CAF             | < 0.3  |
| 7714821                        | CAF             | < 0.3  |
| 7714846                        | CON             | < 0.3  |
| 7714900                        | DG              | 0.6    |
| 7714807                        | FART            | 0.6    |
| 7714903                        | G1              | < 0.3  |
| 7711801                        | GESP            | < 0.3  |
| 7714889                        | GOF             | < 0.3  |
| 7714882                        | GUI             | < 0.3  |
| 7714869                        | GUIC            | < 0.3  |
| 7711829                        | GYM             | < 0.3  |
| 7710199                        | GYM             | < 0.3  |
| 7713959                        | GYM             | < 0.3  |
| 7710196                        | GYM2            | 0.6    |
| 7713808                        | GYM2            | < 0.3  |
| 7713838                        | GYM2            | < 0.3  |

Table Note:

\* Missing or Compromised Sample

| <b>Radon Testing Results</b>          |                    |               |
|---------------------------------------|--------------------|---------------|
| <b>Poolesville H.S.</b>               |                    |               |
| <b>Test Period: 12/28/15-12/31/15</b> |                    |               |
| <b>Kit Number</b>                     | <b>Room / Area</b> | <b>Result</b> |
| 7714841                               | IMC                | < 0.3         |
| 7714844                               | IMC                | < 0.3         |
| 7714867                               | JC                 | < 0.3         |
| 7714878                               | LO                 | < 0.3         |
| 7714866                               | MN                 | < 0.3         |
| 7714894                               | OFF                | < 0.3         |
| 7714870                               | PRI                | 0.6           |
| 7714809                               | RESOURCE           | < 0.3         |
| 7714830                               | RSC                | < 0.3         |
| 7714815                               | SEMR               | < 0.3         |
| 7714814                               | SERVING            | < 0.3         |
| 7714822                               | SERVING            | < 0.3         |
| 7714837                               | SO                 | < 0.3         |
| 7714898                               | SP                 | 0.9           |
| 7714856                               | TR                 | < 0.3         |
| 7714848                               | TV                 | 0.6           |
| 7714885                               | WR                 | < 0.3         |
| 7714860                               | WR2                | 0.7           |
| 7714804                               | WSC                | < 0.3         |

Table Note:

\* Missing or Compromised Sample

| <b>Radon Testing Results</b>          |                |               |
|---------------------------------------|----------------|---------------|
| <b>Poolesville H.S.</b>               |                |               |
| <b>Test Period: 12/28/15-12/31/15</b> |                |               |
| <b>Kit Number</b>                     | <b>QC Type</b> | <b>Result</b> |
| 7713804                               | D (12)         | < 0.3         |
| 7713829                               | D (17)         | < 0.3         |
| 7714876                               | D (198)        | < 0.3         |
| 7714801                               | D (24)         | < 0.3         |
| 7714819                               | D (33)         | < 0.3         |
| 7714839                               | D (49)         | < 0.3         |
| 7711831                               | D (8)          | < 0.3         |
| 7714883                               | D (9)          | < 0.3         |
| 7714855                               | D (AUD)        | < 0.3         |
| 7714840                               | D (IMC)        | < 0.3         |
| 7714818                               | D (SERVING)    | < 0.3         |
| 7714897                               | D (SO)         | < 0.3         |
| 7713960                               | FB (1)         | < 0.3         |
| 7714808                               | FB (20)        | < 0.3         |
| 7714825                               | FB (30)        | < 0.3         |
| 7714871                               | FB (42)        | < 0.3         |
| 7714911                               | OB (0)         | < 0.3         |
| 7714912                               | OB (0)         | < 0.3         |

Table Note:

\* Missing or Compromised Sample

# ATTACHMENT C

## Laboratory Analytical Results

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January 16, 2016  
**\*\* LABORATORY ANALYSIS REPORT \*\***

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Radon test result report for:  
**POOLSVILLE HS**  
**BLDG**

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| <b>Kit #</b> | <b>Room Id</b> | <b>Started</b>       | <b>Ended</b>         | <b>pCi/L</b> | <b>Analyzed</b> |
|--------------|----------------|----------------------|----------------------|--------------|-----------------|
| 7714907      | 184            | 2015-12-28 @ 7:00 pm | 2015-12-31 @ 9:00 am | < 0.3        | 2016-01-05      |

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January 16, 2016  
**\*\* LABORATORY ANALYSIS REPORT \*\***

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Radon test result report for:  
**POOLSVILLE HS**  
**BLDG 2**

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| <b>Kit #</b> | <b>Room Id</b> | <b>Started</b>       | <b>Ended</b>         | <b>pCi/L</b> | <b>Analyzed</b> |
|--------------|----------------|----------------------|----------------------|--------------|-----------------|
| 7714908      | 184A           | 2015-12-28 @ 7:00 pm | 2015-12-31 @ 9:00 am | < 0.3        | 2016-01-05      |
| 7714877      | 189A           | 2015-12-28 @ 3:00 pm | 2015-12-31 @ 9:00 am | < 0.3        | 2016-01-05      |
| 7714849      | 195            | 2015-12-28 @ 3:00 pm | 2015-12-31 @ 9:00 am | < 0.3        | 2016-01-05      |
| 7714853      | 198            | 2015-12-28 @ 3:00 pm | 2015-12-31 @ 9:00 am | < 0.3        | 2016-01-05      |
| 7714874      | 198            | 2015-12-28 @ 3:00 pm | 2015-12-31 @ 9:00 am | < 0.3        | 2016-01-05      |
| 7714876      | 198            | 2015-12-28 @ 3:00 pm | 2015-12-31 @ 9:00 am | < 0.3        | 2016-01-05      |
| 7714850      | 198B           | 2015-12-28 @ 3:00 pm | 2015-12-31 @ 9:00 am | < 0.3        | 2016-01-04      |
| 7714893      | 199            | 2015-12-28 @ 3:00 pm | 2015-12-31 @ 9:00 am | < 0.3        | 2016-01-05      |
| 7714851      | 199B           | 2015-12-28 @ 3:00 pm | 2015-12-31 @ 9:00 am | < 0.3        | 2016-01-05      |
| 7714854      | 285            | 2015-12-28 @ 3:00 pm | 2015-12-31 @ 9:00 am | < 0.3        | 2016-01-05      |
| 7714879      | 298            | 2015-12-28 @ 3:00 pm | 2015-12-31 @ 9:00 am | < 0.3        | 2016-01-04      |

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January 16, 2016  
**\*\* LABORATORY ANALYSIS REPORT \*\***

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Radon test result report for:  
**POOLSVILLE HS  
GREEN HOUSE**

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| <b>Kit #</b> | <b>Room Id</b> | <b>Started</b>       | <b>Ended</b>          | <b>pCi/L</b> | <b>Analyzed</b> |
|--------------|----------------|----------------------|-----------------------|--------------|-----------------|
| 7714906      | 26B            | 2015-12-28 @ 7:00 pm | 2015-12-31 @ 11:00 am | < 0.3        | 2016-01-05      |
| 7714904      | 33B            | 2015-12-28 @ 7:00 pm | 2015-12-31 @ 11:00 am | < 0.3        | 2016-01-04      |
| 7714903      | G1             | 2015-12-28 @ 7:00 pm | 2015-12-31 @ 8:00 am  | < 0.3        | 2016-01-05      |

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January 16, 2016  
**LABORATORY ANALYSIS REPORT**

Radon test result report for:  
**POOLSVILLE HS**  
**MAIN**

| Kit #   | Room Id | Started               | Ended                 | pCi/L     | Analyzed   |
|---------|---------|-----------------------|-----------------------|-----------|------------|
| 7714911 | 0       | 2015-12-28 @ 7:00 pm  | 2015-12-31 @ 1:00 pm  | < 0.3     | 2016-01-05 |
| 7714912 | 0       | 2015-12-28 @ 7:00 pm  | 2015-12-31 @ 1:00 pm  | < 0.3     | 2016-01-05 |
| 7713960 | 1       | 2015-12-28 @ 1:00 pm  | 2015-12-31 @ 9:00 am  | < 0.3     | 2016-01-04 |
| 7711808 | 1       | 2015-12-28 @ 1:00 pm  | 2015-12-31 @ 9:00 am  | < 0.3     | 2016-01-05 |
| 7714895 | 10      | 2015-12-28 @ 2:00 pm  | 2015-12-31 @ 9:00 am  | < 0.3     | 2016-01-04 |
| 7714891 | 11      | 2015-12-28 @ 2:00 pm  | 2015-12-31 @ 9:00 am  | < 0.3     | 2016-01-04 |
| 7713804 | 12      | 2015-12-28 @ 12:00 pm | 2015-12-31 @ 11:00 am | < 0.3     | 2016-01-05 |
| 7713831 | 12      | 2015-12-28 @ 12:00 pm | 2015-12-31 @ 11:00 am | < 0.3     | 2016-01-05 |
| 7711824 | 13      | 2015-12-28 @ 12:00 pm | 2015-12-31 @ 11:00 am | 0.6 ± 0.3 | 2016-01-05 |
| 7713834 | 14      | 2015-12-28 @ 12:00 pm | 2015-12-31 @ 11:00 am | < 0.3     | 2016-01-05 |
| 7711807 | 15      | 2015-12-28 @ 12:00 pm | 2015-12-31 @ 11:00 am | < 0.3     | 2016-01-05 |
| 7713833 | 16      | 2015-12-28 @ 12:00 pm | 2015-12-31 @ 9:00 am  | < 0.3     | 2016-01-04 |
| 7714823 | 17      | 2015-12-28 @ 12:00 pm | 2015-12-31 @ 10:00 am | < 0.3     | 2016-01-05 |
| 7713829 | 17      | 2015-12-28 @ 12:00 pm | 2015-12-31 @ 10:00 am | < 0.3     | 2016-01-05 |
| 7713835 | 18      | 2015-12-28 @ 12:00 pm | 2015-12-31 @ 10:00 am | < 0.3     | 2016-01-05 |
| 7713915 | 19      | 2015-12-28 @ 11:00 am | 2015-12-31 @ 10:00 am | < 0.3     | 2016-01-05 |
| 7713914 | 2       | 2015-12-28 @ 1:00 pm  | 2015-12-31 @ 9:00 am  | < 0.3     | 2016-01-05 |
| 7714808 | 20      | 2015-12-28 @ 11:00 am | 2015-12-31 @ 10:00 am | < 0.3     | 2016-01-05 |
| 7714811 | 20      | 2015-12-28 @ 11:00 am | 2015-12-31 @ 10:00 am | 0.6 ± 0.3 | 2016-01-05 |
| 7713807 | 21      | 2015-12-28 @ 12:00 pm | 2015-12-31 @ 10:00 am | < 0.3     | 2016-01-05 |
| 7710190 | 22      | 2015-12-28 @ 11:00 am | 2015-12-31 @ 10:00 am | < 0.3     | 2016-01-05 |
| 7713811 | 23      | 2015-12-28 @ 11:00 am | 2015-12-31 @ 10:00 am | < 0.3     | 2016-01-05 |
| 7714801 | 24      | 2015-12-28 @ 11:00 am | 2015-12-31 @ 10:00 am | < 0.3     | 2016-01-05 |
| 7714813 | 24      | 2015-12-28 @ 11:00 am | 2015-12-31 @ 10:00 am | < 0.3     | 2016-01-05 |
| 7714817 | 26      | 2015-12-28 @ 11:00 am | 2015-12-31 @ 10:00 am | < 0.3     | 2016-01-05 |
| 7714805 | 28      | 2015-12-28 @ 11:00 am | 2015-12-31 @ 10:00 am | < 0.3     | 2016-01-05 |
| 7714816 | 28B     | 2015-12-28 @ 11:00 am | 2015-12-31 @ 10:00 am | < 0.3     | 2016-01-05 |
| 7714803 | 29      | 2015-12-28 @ 10:00 am | 2015-12-31 @ 10:00 am | < 0.3     | 2016-01-05 |
| 7710194 | 3       | 2015-12-28 @ 1:00 pm  | 2015-12-31 @ 9:00 am  | < 0.3     | 2016-01-05 |
| 7714825 | 30      | 2015-12-28 @ 10:00 am | 2015-12-31 @ 10:00 am | < 0.3     | 2016-01-05 |
| 7714829 | 30      | 2015-12-28 @ 10:00 am | 2015-12-31 @ 10:00 am | < 0.3     | 2016-01-05 |
| 7714812 | 31      | 2015-12-28 @ 10:00 am | 2015-12-31 @ 10:00 am | 0.7 ± 0.3 | 2016-01-05 |
| 7714810 | 32      | 2015-12-28 @ 10:00 am | 2015-12-31 @ 10:00 am | < 0.3     | 2016-01-04 |
| 7714819 | 33      | 2015-12-28 @ 10:00 am | 2015-12-31 @ 10:00 am | < 0.3     | 2016-01-05 |
| 7714820 | 33      | 2015-12-28 @ 10:00 am | 2015-12-31 @ 10:00 am | < 0.3     | 2016-01-05 |
| 7711803 | 33AB    | 2015-12-28 @ 10:00 am | 2015-12-31 @ 10:00 am | < 0.3     | 2016-01-05 |
| 7714887 | 34      | 2015-12-28 @ 7:00 pm  | 2015-12-31 @ 10:00 am | < 0.3     | 2016-01-05 |

January 16, 2016  
**LABORATORY ANALYSIS REPORT**

Radon test result report for:  
**POOLSVILLE HS  
 MAIN**

| Kit #   | Room Id | Started               | Ended                 | pCi/L     | Analyzed   |
|---------|---------|-----------------------|-----------------------|-----------|------------|
| 7714892 | 35      | 2015-12-28 @ 7:00 pm  | 2015-12-31 @ 10:00 am | < 0.3     | 2016-01-05 |
| 7714864 | 36      | 2015-12-28 @ 6:00 pm  | 2015-12-31 @ 10:00 am | < 0.3     | 2016-01-05 |
| 7714890 | 37      | 2015-12-28 @ 7:00 pm  | 2015-12-31 @ 10:00 am | < 0.3     | 2016-01-05 |
| 7714847 | 38      | 2015-12-28 @ 6:00 pm  | 2015-12-31 @ 10:00 am | < 0.3     | 2016-01-05 |
| 7714843 | 39      | 2015-12-28 @ 6:00 pm  | 2015-12-31 @ 10:00 am | < 0.3     | 2016-01-05 |
| 7711827 | 4       | 2015-12-28 @ 1:00 pm  | 2015-12-31 @ 9:00 am  | < 0.3     | 2016-01-05 |
| 7714886 | 40      | 2015-12-28 @ 6:00 pm  | 2015-12-31 @ 10:00 am | 0.7 ± 0.4 | 2016-01-05 |
| 7714828 | 41      | 2015-12-28 @ 6:00 pm  | 2015-12-31 @ 10:00 am | < 0.3     | 2016-01-05 |
| 7714871 | 42      | 2015-12-28 @ 5:00 pm  | 2015-12-31 @ 11:00 am | < 0.3     | 2016-01-05 |
| 7714875 | 42      | 2015-12-28 @ 5:00 pm  | 2015-12-31 @ 11:00 am | < 0.3     | 2016-01-05 |
| 7714884 | 42A     | 2015-12-28 @ 5:00 pm  | 2015-12-31 @ 10:00 am | 0.6 ± 0.4 | 2016-01-05 |
| 7714880 | 43      | 2015-12-28 @ 5:00 pm  | 2015-12-31 @ 11:00 am | < 0.3     | 2016-01-05 |
| 7714863 | 44      | 2015-12-28 @ 6:00 pm  | 2015-12-31 @ 10:00 am | < 0.3     | 2016-01-05 |
| 7714831 | 45      | 2015-12-28 @ 6:00 pm  | 2015-12-31 @ 10:00 am | 0.6 ± 0.4 | 2016-01-05 |
| 7714868 | 46      | 2015-12-28 @ 6:00 pm  | 2015-12-31 @ 10:00 am | < 0.3     | 2016-01-05 |
| 7714832 | 47      | 2015-12-28 @ 6:00 pm  | 2015-12-31 @ 10:00 am | < 0.3     | 2016-01-04 |
| 7714833 | 48      | 2015-12-28 @ 6:00 pm  | 2015-12-31 @ 10:00 am | < 0.3     | 2016-01-05 |
| 7714839 | 49      | 2015-12-28 @ 6:00 pm  | 2015-12-31 @ 10:00 am | < 0.3     | 2016-01-05 |
| 7714834 | 49      | 2015-12-28 @ 6:00 pm  | 2015-12-31 @ 10:00 am | < 0.3     | 2016-01-05 |
| 7714835 | 51      | 2015-12-28 @ 6:00 pm  | 2015-12-31 @ 11:00 am | < 0.3     | 2016-01-05 |
| 7714836 | 52      | 2015-12-28 @ 6:00 pm  | 2015-12-31 @ 10:00 am | < 0.3     | 2016-01-04 |
| 7714896 | 53      | 2015-12-28 @ 6:00 pm  | 2015-12-31 @ 10:00 am | < 0.3     | 2016-01-04 |
| 7714838 | 54      | 2015-12-28 @ 5:00 pm  | 2015-12-31 @ 10:00 am | < 0.3     | 2016-01-05 |
| 7714842 | 55      | 2015-12-28 @ 5:00 pm  | 2015-12-31 @ 10:00 am | < 0.3     | 2016-01-05 |
| 7714802 | 57      | 2015-12-28 @ 12:00 pm | 2015-12-31 @ 10:00 am | < 0.3     | 2016-01-05 |
| 7711802 | 58      | 2015-12-28 @ 12:00 pm | 2015-12-31 @ 9:00 am  | < 0.3     | 2016-01-05 |
| 7714859 | 59      | 2015-12-28 @ 4:00 pm  | 2015-12-31 @ 10:00 am | < 0.3     | 2016-01-05 |
| 7710198 | 6       | 2015-12-28 @ 1:00 pm  | 2015-12-31 @ 9:00 am  | < 0.3     | 2016-01-05 |
| 7714845 | 60      | 2015-12-28 @ 4:00 pm  | 2015-12-31 @ 9:00 am  | < 0.3     | 2016-01-05 |
| 7714862 | 61      | 2015-12-28 @ 4:00 pm  | 2015-12-31 @ 9:00 am  | < 0.3     | 2016-01-05 |
| 7714865 | 61      | 2015-12-28 @ 4:00 pm  | 2015-12-31 @ 9:00 am  | < 0.3     | 2016-01-05 |
| 7711831 | 8       | 2015-12-28 @ 2:00 pm  | 2015-12-31 @ 9:00 am  | < 0.3     | 2016-01-04 |
| 7713916 | 8       | 2015-12-28 @ 2:00 pm  | 2015-12-31 @ 9:00 am  | < 0.3     | 2016-01-05 |
| 7714883 | 9       | 2015-12-28 @ 2:00 pm  | 2015-12-31 @ 9:00 am  | < 0.3     | 2016-01-05 |
| 7714899 | 9       | 2015-12-28 @ 2:00 pm  | 2015-12-31 @ 9:00 am  | < 0.3     | 2016-01-05 |
| 7714872 | AS      | 2015-12-28 @ 2:00 pm  | 2015-12-31 @ 9:00 am  | < 0.3     | 2016-01-05 |
| 7714857 | AUD     | 2015-12-28 @ 4:00 pm  | 2015-12-31 @ 9:00 am  | < 0.3     | 2016-01-04 |

January 16, 2016  
**\*\* LABORATORY ANALYSIS REPORT \*\***

Radon test result report for:  
**POOLSVILLE HS**  
**MAIN**

| Kit #   | Room Id  | Started               | Ended                 | pCi/L     | Analyzed   |
|---------|----------|-----------------------|-----------------------|-----------|------------|
| 7714852 | AUD      | 2015-12-28 @ 4:00 pm  | 2015-12-31 @ 9:00 am  | < 0.3     | 2016-01-05 |
| 7714855 | AUD      | 2015-12-28 @ 4:00 pm  | 2015-12-31 @ 9:00 am  | < 0.3     | 2016-01-05 |
| 7714858 | AUD      | 2015-12-28 @ 4:00 pm  | 2015-12-31 @ 9:00 am  | < 0.3     | 2016-01-05 |
| 7714861 | AUD      | 2015-12-28 @ 4:00 pm  | 2015-12-31 @ 9:00 am  | < 0.3     | 2016-01-05 |
| 7714881 | BM       | 2015-12-28 @ 2:00 pm  | 2015-12-31 @ 9:00 am  | < 0.3     | 2016-01-05 |
| 7714826 | BSO      | 2015-12-28 @ 9:00 am  | 2015-12-31 @ 10:00 am | < 0.3     | 2016-01-04 |
| 7714873 | C        | 2015-12-28 @ 3:00 pm  | 2015-12-31 @ 9:00 am  | 0.6 ± 0.4 | 2016-01-05 |
| 7714821 | CAF      | 2015-12-28 @ 9:00 am  | 2015-12-31 @ 10:00 am | < 0.3     | 2016-01-04 |
| 7714806 | CAF      | 2015-12-28 @ 9:00 am  | 2015-12-31 @ 10:00 am | < 0.3     | 2016-01-05 |
| 7714846 | CON      | 2015-12-28 @ 5:00 pm  | 2015-12-31 @ 10:00 am | < 0.3     | 2016-01-04 |
| 7714900 | DG       | 2015-12-28 @ 2:00 pm  | 2015-12-31 @ 9:00 am  | 0.6 ± 0.3 | 2016-01-05 |
| 7714807 | FART     | 2015-12-28 @ 10:00 am | 2015-12-31 @ 10:00 am | 0.6 ± 0.3 | 2016-01-05 |
| 7711801 | GESP     | 2015-12-28 @ 11:00 am | 2015-12-31 @ 10:00 am | < 0.3     | 2016-01-05 |
| 7714889 | GOF      | 2015-12-28 @ 2:00 pm  | 2015-12-31 @ 9:00 am  | < 0.3     | 2016-01-04 |
| 7714882 | GUI      | 2015-12-28 @ 2:00 pm  | 2015-12-31 @ 9:00 am  | < 0.3     | 2016-01-04 |
| 7714869 | GUIC     | 2015-12-28 @ 2:00 pm  | 2015-12-31 @ 9:00 am  | < 0.3     | 2016-01-05 |
| 7713959 | GYM      | 2015-12-28 @ 1:00 pm  | 2015-12-31 @ 11:00 am | < 0.3     | 2016-01-05 |
| 7710199 | GYM      | 2015-12-28 @ 1:00 pm  | 2015-12-31 @ 11:00 am | < 0.3     | 2016-01-05 |
| 7711829 | GYM      | 2015-12-28 @ 1:00 pm  | 2015-12-31 @ 11:00 am | < 0.3     | 2016-01-05 |
| 7713838 | GYM2     | 2015-12-28 @ 1:00 pm  | 2015-12-31 @ 11:00 am | < 0.3     | 2016-01-05 |
| 7710196 | GYM2     | 2015-12-28 @ 1:00 pm  | 2015-12-31 @ 11:00 am | 0.6 ± 0.3 | 2016-01-05 |
| 7713808 | GYM2     | 2015-12-28 @ 1:00 pm  | 2015-12-31 @ 11:00 am | < 0.3     | 2016-01-05 |
| 7714840 | IMC      | 2015-12-28 @ 5:00 pm  | 2015-12-31 @ 10:00 am | < 0.3     | 2016-01-05 |
| 7714841 | IMC      | 2015-12-28 @ 5:00 pm  | 2015-12-31 @ 10:00 am | < 0.3     | 2016-01-05 |
| 7714844 | IMC      | 2015-12-28 @ 5:00 pm  | 2015-12-31 @ 10:00 am | < 0.3     | 2016-01-05 |
| 7714867 | JC       | 2015-12-28 @ 2:00 pm  | 2015-12-31 @ 9:00 am  | < 0.3     | 2016-01-05 |
| 7714878 | LO       | 2015-12-28 @ 4:00 pm  | 2015-12-31 @ 10:00 am | < 0.3     | 2016-01-05 |
| 7714866 | MN       | 2015-12-28 @ 2:00 pm  | 2015-12-31 @ 9:00 am  | < 0.3     | 2016-01-05 |
| 7714894 | OFF      | 2015-12-28 @ 5:00 pm  | 2015-12-31 @ 10:00 am | < 0.3     | 2016-01-05 |
| 7714870 | PRI      | 2015-12-28 @ 2:00 pm  | 2015-12-31 @ 9:00 am  | 0.6 ± 0.4 | 2016-01-05 |
| 7714809 | RESOURCE | 2015-12-28 @ 11:00 am | 2015-12-31 @ 10:00 am | < 0.3     | 2016-01-05 |
| 7714830 | RSC      | 2015-12-28 @ 6:00 pm  | 2015-12-31 @ 10:00 am | < 0.3     | 2016-01-05 |
| 7714815 | SEMR     | 2015-12-28 @ 12:00 pm | 2015-12-31 @ 9:00 am  | < 0.3     | 2016-01-04 |
| 7714814 | SERVING  | 2015-12-28 @ 10:00 am | 2015-12-31 @ 11:00 am | < 0.3     | 2016-01-05 |
| 7714818 | SERVING  | 2015-12-28 @ 10:00 am | 2015-12-31 @ 11:00 am | < 0.3     | 2016-01-05 |
| 7714822 | SERVING  | 2015-12-28 @ 10:00 am | 2015-12-31 @ 11:00 am | < 0.3     | 2016-01-05 |
| 7714837 | SO       | 2015-12-28 @ 6:00 pm  | 2015-12-31 @ 10:00 am | < 0.3     | 2016-01-05 |

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**\*\* LABORATORY ANALYSIS REPORT \*\***

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Radon test result report for:  
**POOLSVILLE HS**  
**MAIN**

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| <b>Kit #</b> | <b>Room Id</b> | <b>Started</b>        | <b>Ended</b>          | <b>pCi/L</b> | <b>Analyzed</b> |
|--------------|----------------|-----------------------|-----------------------|--------------|-----------------|
| 7714897      | SO             | 2015-12-28 @ 5:00 pm  | 2015-12-31 @ 10:00 am | < 0.3        | 2016-01-05      |
| 7714898      | SP             | 2015-12-28 @ 2:00 pm  | 2015-12-31 @ 9:00 am  | 0.9 ± 0.4    | 2016-01-05      |
| 7714856      | TR             | 2015-12-28 @ 4:00 pm  | 2015-12-31 @ 10:00 am | < 0.3        | 2016-01-05      |
| 7714848      | TV             | 2015-12-28 @ 5:00 pm  | 2015-12-31 @ 10:00 am | 0.6 ± 0.4    | 2016-01-05      |
| 7714885      | WR             | 2015-12-28 @ 3:00 pm  | 2015-12-31 @ 9:00 am  | < 0.3        | 2016-01-05      |
| 7714860      | WR2            | 2015-12-28 @ 4:00 pm  | 2015-12-31 @ 10:00 am | 0.7 ± 0.3    | 2016-01-04      |
| 7714804      | WSC            | 2015-12-28 @ 12:00 pm | 2015-12-31 @ 9:00 am  | < 0.3        | 2016-01-04      |

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January 15, 2016  
\*\* LABORATORY ANALYSIS REPORT \*\*

Radon test result report for:  
**MCPS PHASE 3 & 4  
TRANSIT BLANKS**

| Kit #   | Room Id    | Started               | Ended                 | pCi/L | Analyzed   |
|---------|------------|-----------------------|-----------------------|-------|------------|
| 7708218 | TRANSIT 4  | 2015-12-18 @ 12:00 pm | 2015-12-21 @ 12:00 pm | < 0.3 | 2015-12-23 |
| 7708200 | TRANSIT 1  | 2015-12-18 @ 12:00 pm | 2015-12-21 @ 12:00 pm | < 0.3 | 2015-12-23 |
| 7708190 | TRANSIT 10 | 2015-12-18 @ 12:00 pm | 2015-12-21 @ 12:00 pm | < 0.3 | 2015-12-23 |
| 7708189 | TRANSIT 11 | 2015-12-18 @ 12:00 pm | 2015-12-21 @ 12:00 pm | < 0.3 | 2015-12-23 |
| 7708191 | TRANSIT 12 | 2015-12-18 @ 12:00 pm | 2015-12-21 @ 12:00 pm | < 0.3 | 2015-12-23 |
| 7708188 | TRANSIT 13 | 2015-12-18 @ 12:00 pm | 2015-12-21 @ 12:00 pm | < 0.3 | 2015-12-23 |
| 7708197 | TRANSIT 14 | 2015-12-18 @ 12:00 pm | 2015-12-21 @ 12:00 pm | < 0.3 | 2015-12-23 |
| 7708186 | TRANSIT 15 | 2015-12-18 @ 12:00 pm | 2015-12-21 @ 12:00 pm | < 0.3 | 2015-12-23 |
| 7708185 | TRANSIT 16 | 2015-12-18 @ 12:00 pm | 2015-12-21 @ 12:00 pm | < 0.3 | 2015-12-23 |
| 7708184 | TRANSIT 17 | 2015-12-18 @ 12:00 pm | 2015-12-21 @ 12:00 pm | < 0.3 | 2015-12-23 |
| 7708182 | TRANSIT 18 | 2015-12-18 @ 12:00 pm | 2015-12-21 @ 12:00 pm | < 0.3 | 2015-12-23 |
| 7708187 | TRANSIT 18 | 2015-12-18 @ 12:00 pm | 2015-12-21 @ 12:00 pm | < 0.3 | 2015-12-23 |
| 7708199 | TRANSIT 2  | 2015-12-18 @ 12:00 pm | 2015-12-21 @ 12:00 pm | < 0.3 | 2015-12-23 |
| 7708181 | TRANSIT 20 | 2015-12-18 @ 12:00 pm | 2015-12-21 @ 12:00 pm | < 0.3 | 2015-12-23 |
| 7708180 | TRANSIT 21 | 2015-12-18 @ 12:00 pm | 2015-12-21 @ 12:00 pm | < 0.3 | 2015-12-23 |
| 7708183 | TRANSIT 22 | 2015-12-18 @ 12:00 pm | 2015-12-21 @ 12:00 pm | < 0.3 | 2015-12-23 |
| 7708178 | TRANSIT 23 | 2015-12-18 @ 12:00 pm | 2015-12-21 @ 12:00 pm | < 0.3 | 2015-12-23 |
| 7708179 | TRANSIT 24 | 2015-12-18 @ 12:00 pm | 2015-12-21 @ 12:00 pm | < 0.3 | 2015-12-23 |
| 7708177 | TRANSIT 25 | 2015-12-18 @ 12:00 pm | 2015-12-21 @ 12:00 pm | < 0.3 | 2015-12-23 |
| 7708176 | TRANSIT 26 | 2015-12-18 @ 12:00 pm | 2015-12-21 @ 12:00 pm | < 0.3 | 2015-12-23 |
| 7708174 | TRANSIT 27 | 2015-12-18 @ 12:00 pm | 2015-12-21 @ 12:00 pm | < 0.3 | 2015-12-23 |
| 7708173 | TRANSIT 28 | 2015-12-18 @ 12:00 pm | 2015-12-21 @ 12:00 pm | < 0.3 | 2015-12-23 |
| 7708175 | TRANSIT 29 | 2015-12-18 @ 12:00 pm | 2015-12-21 @ 12:00 pm | < 0.3 | 2015-12-23 |
| 7708198 | TRANSIT 3  | 2015-12-18 @ 12:00 pm | 2015-12-21 @ 12:00 pm | < 0.3 | 2015-12-23 |
| 7708172 | TRANSIT 30 | 2015-12-18 @ 12:00 pm | 2015-12-21 @ 12:00 pm | < 0.3 | 2015-12-23 |
| 7708194 | TRANSIT 5  | 2015-12-18 @ 12:00 pm | 2015-12-21 @ 12:00 pm | < 0.3 | 2015-12-23 |
| 7708196 | TRANSIT 6  | 2015-12-18 @ 12:00 pm | 2015-12-21 @ 12:00 pm | < 0.3 | 2015-12-23 |
| 7708193 | TRANSIT 7  | 2015-12-18 @ 12:00 pm | 2015-12-21 @ 12:00 pm | < 0.3 | 2015-12-23 |
| 7708192 | TRANSIT 8  | 2015-12-18 @ 12:00 pm | 2015-12-21 @ 12:00 pm | < 0.3 | 2015-12-23 |
| 7708195 | TRANSIT 9  | 2015-12-18 @ 12:00 pm | 2015-12-21 @ 12:00 pm | < 0.3 | 2015-12-23 |

December  
23,  
2015

**LABORATORY ANALYSIS  
REPORT \*\***

Spike Sample Laboratory Results

Radon test result report for:

**MCPS**

| Kit #   | Room Id | Started              | Ended                | pCi/L | Analyzed   |
|---------|---------|----------------------|----------------------|-------|------------|
| 7706380 | 101     | 2015-12-18 @ 9:00 am | 2015-12-21 @ 9:00 am | 25.2  | 2015-12-23 |
| 7706381 | 102     | 2015-12-18 @ 9:00 am | 2015-12-21 @ 9:00 am | 26.5  | 2015-12-23 |
| 7706208 | 103     | 2015-12-18 @ 9:00 am | 2015-12-21 @ 9:00 am | 27.7  | 2015-12-23 |
| 7705132 | 104     | 2015-12-18 @ 9:00 am | 2015-12-21 @ 9:00 am | 28.6  | 2015-12-23 |
| 7706366 | 105     | 2015-12-18 @ 9:00 am | 2015-12-21 @ 9:00 am | 26.5  | 2015-12-23 |
| 7706211 | 106     | 2015-12-18 @ 9:00 am | 2015-12-21 @ 9:00 am | 26.1  | 2015-12-23 |

Air Chek, Inc. 1936 Butler Bridge Rd, Mills River, NC 28759-3892 Phone: (828) 684-0893 Fax: (828) 684-8498

**Note: Spike samples are test canisters that are deliberately exposed to a controlled high level of radon in a laboratory. They provide a quality control measure in the testing process and do NOT reflect radon levels in the building being tested.**



**EXPOSURE IN BOWSER-MORNER RADON CHAMBER**

CLIENT KCI Technologies Inc. Job Number 173224

NOMINAL Conditions: Radon Conc 26.9 pCi/L Rel. Hum 49.6 % Temp. 69.9 F

Date Start: 12/18/15 Date Stop: 12/21/15 Date Start: \_\_\_\_\_ Date Stop: \_\_\_\_\_

Time Start: 0929 Time Stop: 0929 Time Start: \_\_\_\_\_ Time Stop: \_\_\_\_\_

Device No.'s: 7705132, 7706208, Device No.'s: \_\_\_\_\_

7706211, 7706366, \_\_\_\_\_

7706380, 7706381 \_\_\_\_\_

F3 Left

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  $\mu$ R/h Elevation = 820 ft



## Chain of Custody

Project Name: MCPS Radon Phase III

Name of Schools:

- |                       |                       |                       |
|-----------------------|-----------------------|-----------------------|
| 1. Burnt Mills ES     | 13. Georgian Frost ES | 25. Northlake Center  |
| 2. Burtonsville ES    | 14. Germantown ES     | 26. Olney ES          |
| 3. Cedar Grove ES     | 15. Goshen ES         | 27. Rosa Parks MS     |
| 4. Cloverly ES        | 16. Greencastle ES    | 28. Poolesville ES    |
| 5. Cold Spring ES     | 17. Greenwood ES      | 29. Poolesville HS    |
| 6. Damascus HS        | 18. Lake Seneca ES    | 30. Potomac ES        |
| 7. Darnestown ES      | 19. Laytonsville ES   | 31. Rock Terrace HS   |
| 8. Diamond ES         | 20. Col. E. Brooke MS | 32. Rosemary Hills ES |
| 9. Charles R. Drew ES | 21. Luxmanor ES       | 33. Carl Sandburg     |
| 10. DuFief ES         | 22. Magruder HS       | 34. Sequoyah ES       |
| 11. Thomas Edison HS  | 23. Thur. Marshall ES | 35. Stedwick ES       |
| 12. Robert Frost MS   | 24. Monocacy ES       | 36. Whetstone ES      |

|                                  | Date     | Initials |
|----------------------------------|----------|----------|
| Radon Test Kits Deployed         | 12/28/15 | JM       |
| Radon Test Kits Sampled          | 12/31/15 | JM       |
| Radon Test Kits Shipped to Lab*  | 12/31/15 | JM       |
| Radon Test Kits Received by Lab* | 1/4/16   | JM       |

\*All samples sent to Air Check, Inc., 1936 Butler Bridge Road, Mills River, NC 28758