

INDOOR MEASUREMENT OF RADON GAS

St. Gregory the Great Catholic School
Project ID: 8934



Prepared for:

Red Deer Catholic Regional Schools



Prepared by:

C5 Plus Ltd.
Calgary, Alberta
April, 2018

INDOOR MEASUREMENT OF RADON GAS

**ST. GREGORY THE GREAT CATHOLIC SCHOOL
BLACKFALDS, ALBERTA**

PREPARED FOR:

KEN JAEGER
SUPERVISOR OF SUPPORT SERVICES
RED DEER CATHOLIC REGIONAL SCHOOLS



PREPARED BY:

C5 PLUS LTD.
CALGARY, ALBERTA
APRIL, 2018
PROJECT ID: 8934

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PRINCIPAL REVIEWER:
JOHN DEAN, PHD

EXECUTIVE SUMMARY

In December 2018, Red Deer Catholic Regional Schools retained C5 Plus Ltd. to conduct an initial assessment of radon gas contamination in the occupied spaces of the St. Gregory the Great Catholic School.

The primary purpose was to document compliance with both the new 2016 Health Canada Guidelines for radon in public buildings.

The results obtained during this investigation within the building found that the radon gas concentrations were well below Health Canada's guidelines. These data indicate that the occupants of the St. Gregory the Great Catholic School are not being exposed to unacceptable levels of radon gas in the building.

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1 INTRODUCTION

1.1 General

For the purposes of this report, the St. Gregory the Great Catholic School (the school) is the building located at 105 Cottonwood Drive, Blackfalds, AB.

The structure, constructed in 2017, is a two storey slab-on-grade school building.

The following report, which describes the conditions that existed in the building between December 18th, 2017 and March 28th, 2018, is subject to the Statement of General Terms and Conditions, which is found at the end of the text. The reader's attention is specifically drawn to these conditions as it is considered essential that they be followed for the proper use and interpretation of this report.

1.1.1 Background

The natural concentration of radon gas in the atmosphere is relatively small and does not pose a significant health risk to individuals. However, in some confined spaces like basements, radon gas can accumulate to relatively high levels and can become a health hazard. Originating in the soil and rock upon which a house or office tower is built, it can seep into a building through dirt floors, cracks in concrete walls and floors, sumps, joints and basement drains. Concrete-block walls are particularly porous to radon, and radon trapped in water from wells can be released into the air when the water is used. In the upper floors of modern office buildings, radon is usually associated with the presence of decorative granite facing. The reason for this association is because granite always contains small amounts of uranium; the source of radon.

1.1.2 Health Effects

Because it is radioactive, radon decays and produces decay products, sometimes called "radon daughters" or "radon progeny." Two of these progeny, polonium-218 and polonium-214, decay rapidly themselves, and emit alpha particles. When alpha particles hit

an object, the energy in them is absorbed by the surface of the object. Human skin is thick enough not to be affected, but if you inhale radon, they can damage bronchial and lung tissue and can lead to lung cancer.

Until recently, there was no evidence of a direct link between radon levels in the non-mining workplace and lung cancer. Recently, however, independent scientific studies in showed that the lung cancer risks extend to concentrations of radon found in some homes, schools, and workplaces.

1.1.3 Current Regulations and Guidelines

Health Canada has taken on the responsibility of protecting Canadians from the potential dangers of radon gas. Based upon the best available scientific evidence and with the participation of the provinces and territories, Health Canada developed a guideline which was approved by the federal and provincial ministers of health.

Health Canada has established that the current guideline for radon in workplace indoor air is 200 Bq/m³¹. However, radon levels less than 200 Bq/m³ can still pose some health risk, and in many cases, can be reduced.

1.2 Scope of Work

It was agreed that a workplace radon gas hazard assessment be conducted in the facility, following current best practices, but especially to ensure and document compliance with the new 2016 Health Canada Guidelines. In general, the guidelines recommend minimum 3-month tests in all occupied rooms below ground, or, if there are no below ground occupied rooms, to test all the occupied rooms on the ground floor.

Since there are no below ground rooms in the building, it was agreed to take all samples in the occupied ground floor rooms. Two addition samples were taken on the upper floor for informational purposes.

¹ *Guide for Radon Measurements in Public Buildings (2016)*

Following completion of the sampling and the subsequent laboratory analyses, it was agreed that a report would be prepared which would detail the methodologies used, the significance of the concentrations observed and any recommendations for further action.

2 METHODOLOGY

Radon sample testing for radon gas was conducted using a C-NRPP² certified Rad Elec Electret Ion Chambers in an LST-00 configuration (long term open/close chambers with short term electrets).

The bulk of the detectors were left in place for approximately 95 days in the selected rooms (see Section 1.2).

Following completion of the sampling, the electret ion monitors were submitted to the C-NRPP certified C5 Plus radon laboratory for data analysis. The detectors were measured and then analyzed by the proprietary C5 Plus Communicair™ LabManager software. The results of the measurements were reported in units of Becquerels per cubic meter of sampled air (Bq/m³). The alpha track detectors were submitted to the C-NRPP certified Landauer laboratory.

These measurements were made between December 18th, 2017 and March 23rd, 2018. One additional sample was left until March 28th, 2018.

Curt LaMontagne of C5 Plus Ltd., a C-NRPP certified radon measurement professional, carried out the sampling and the electret ion chamber laboratory analysis.

² Canadian National Radon National Proficiency Program

3 RESULTS

The results of the radon measurements taken are shown in Table 3-1. Also included as Appendix “A” are the laboratory results of the radon measurements.

The average concentrations of radon gas for the ground floor occupied rooms was 87.8 Bq/m³, with the highest reading of 149.7 Bq/m³ found in room 1206 of the lower level.

One sample was unrecoverable (missing) from the Gym. Two other samples in the same room were recovered, however. Accordingly, it is our opinion that the single missing sample does not significantly impact the interpretation or conclusions of this report.

Since the average and maximum radon levels on the floors are well below the Health Canada guideline of 200 Bq/m³ no further action is necessary.

Table 3-1: Radon gas levels in the St. Gregory the Great Catholic School. Samples were deployed December 18, 2017 and retrieved March 23 or 28, 2018.

Main Building		
Sample ID	Location	Bq/m ³
6:1129 * ³	Lower Level, Room 1102, East wall	85.0
6:1131	Lower Level, Room 1104, SE Corner	103.6
6:1133	Lower Level, Room 1105, SW Corner	94.9
6:1134	Lower Level, Room 1107, NE corner	84.6
6:1135	Lower Level, Room 1101, S of E doorway	119.0
6:1136	Lower Level, Room 1101, W side middle	87.7
6:1137	Lower Level, Kitchen 1119, NE Corner	107.2
6:1138	Lower Level, Room 1007, S above cabinet	81.8
6:1139	Lower Level, Room 1202, SE Corner by desk	98.8
6:1140	Lower Level, Room 1203, Above NE desk by door	75.5
6:1141 *	Lower Level, Room 1204, NE by wall	93.3
6:1143	Lower Level, Room 1206, SW Corner above desk	149.7
6:1144	Lower Level, Room 1207, N of room 1208	82.0
6:1145	Lower Level, Room 1216, Above main desk	86.1
6:1146	Lower Level, Gym	NA ⁴
6:1147	Lower Level, Gym, NE Corner S of doorway	35.1
6:1148	Lower Level, Gym, SW Corner by doorway	36.4
6:1149	Lower Level, Room 1301, Main office reception above credenza	89.6
6:1150	Lower Level, Room 1306, V Principal N side	95.4
6:1151	Lower Level, Room 1307, N side near bookshelf	91.2
6:1152	Lower Level, Room 1313, W wall above chairs	83.8
6:1153 *	Upper Level, Common area, Above lockers	83.3
6:1155	Upper Level, 2201 Common, E side of W common	69.9
Average		87.8
Maximum		149.7

³ Asterisk (*) indicate QA duplicates, results reported as arithmetic mean of the two measurements.

⁴ Electret chamber missing

4 QUALITY ASSURANCE

4.1 General

C5 PLUS maintains a rigorous quality assurance program as mandated by the Canadian National Radon Proficiency Program (C-NRPP). The program is documented in the C5 PLUS document *Radon Quality Assurance Program* and is reviewed and updated at least annually.

4.2 Site Specific

St. Gregory the Great Catholic School

QA Duplicates	Type	Sample ID	Raw (Bq/m3)	RPD	QA Status
	Electret (LST-OO)	6:1129	87.8	0.7	OK
		6:1130	87.2		
	Electret (LST-OO)	6:1141	93.7	1.0	OK
		6:1142	92.8		
	Electret (LST-OO)	6:1153	82.6	1.6	OK
		6:1154	83.9		

QA Field Blanks	Type	Sample ID	Raw (Bq/m3)	Target	QA Status
	Electret (LST-OO)	6:1132	< LOD	< LOD	OK
	Electret (LST-OO)	6:1156	< LOD	< LOD	OK

5 DISCUSSION AND RECOMMENDATIONS

The purpose of this investigation was to detect the possible presence of elevated levels of radon gas within the occupied rooms of the St. Gregory the Great Catholic School. And, in particular, to document compliance with both the new 2016 Health Canada Guidelines.

The results obtained during this investigation within the school found that the 22 measured radon gas concentrations were all well below acceptable levels as determined by those guidelines.

In summary, this assessment shows that, on the days that the radon gas sampling was carried out, the radon gas levels inside the selected rooms of the St. Gregory the Great Catholic School were well below maximum acceptable levels as recommend by Health Canada. Consequently, there appears to be no obvious concern with respect to long or short-term health of the building occupants resulting from radon gas contamination.

We would recommend, however, that if there are significant changes to the building construction or the HVAC system, that radon gas testing again be conducted prior to re-occupancy.

STATEMENT OF GENERAL CONDITIONS

1. STANDARD OF CARE

This study and report have been prepared in accordance with generally accepted environmental consulting practices in this area. No other warranty, expressed or implied, is made.

2. BASIS OF REPORT

This document has been prepared for the specific site, development, design objectives and purpose that were described to C5 Plus Ltd. by the Client. The applicability and reliability of any of the findings, recommendations, suggestions, or opinions expressed in the document are only valid to the extent that there has been no material alteration to or variation from any of the said descriptions provided to C5 Plus, unless C5 Plus Ltd. is specifically requested by the Client to review and revise the Report in light of such alteration or variation.

3. USE OF THE REPORT

The information and opinions expressed in this document are for the sole benefit of the Client. NO OTHER PARTY MAY USE OR RELY UPON THE REPORT OR ANY PORTION THEREOF WITHOUT THE EXPRESSED WRITTEN CONSENT OF C5 PLUS LTD. C5 PLUS LTD. WILL CONSENT TO ANY REASONABLE REQUEST BY THE CLIENT TO APPROVE THE USE OF THIS REPORT BY OTHER PARTIES AS APPROVED USERS. The Contents of the Report remain the copyright property of C5 Plus Ltd., who authorizes only the client and "Approved Users" to make copies of the Report only in such quantities as are reasonably necessary for the use of the report by those parties. The Client and Approved Users may not give, lend, sell, or otherwise make available this document or the Report or any portion thereof, or any copy of the Report or portion thereof, to any party without the express written permission of C5 Plus Ltd.

4. COMPLETE REPORT

This document being a part of the Report is of a summary nature and is not intended to stand alone without reference to the instructions given to C5 Plus Ltd. by the Client, communications between C5 Plus Ltd. and the Client, and to any other reports, writings or documents prepared by C5 Plus Ltd. for the Client relative to the specific site described herein, all of which constitute the Report. Wherever the word "Report" is used herein, it shall refer to any and all of the documents referred to herein.

IN ORDER TO PROPERLY UNDERSTAND THE SUGGESTIONS, RECOMMENDATIONS AND OPINIONS EXPRESSED HEREIN, REFERENCE MUST BE MADE TO THE WHOLE OF THE REPORT, C5 PLUS LTD. CANNOT BE RESPONSIBLE FOR USE BY ANY PARTY OF PORTIONS WITHOUT REFERENCE TO THE WHOLE REPORT.

5. INTERPRETATION OF THE REPORT

- a) Nature and Exactness of hazardous materials description: Classification and identification of contaminants and contaminant quantities have been based on commonly accepted practices in occupational health and environmental consulting practice in this area. Classification and identification of these factors are judgmental in nature and even comprehensive sampling and testing programs, implemented with the appropriate equipment by experienced personnel, may fail to locate some hidden conditions. All reasonable programs will involve an inherent risk that some conditions will not be detected and all reports summarizing such investigations will be based on assumptions of what exists between the actual points sampled. Actual conditions may vary significantly between the points investigated and all persons making use of such reports should be aware of, and accept, this risk. Some conditions are subjected to change over time and those making use of the report should be aware of this possibility and understand that the report only presents the conditions at the sampled points at the time of the sampling.
- b) Reliance on Provided Information: The evaluation of conclusions contained in the Report have been prepared on the basis of conditions in evidence at the time of site inspections and on the basis of information provided to us. C5 Plus Ltd. has relied in good faith upon representations and information provided by the Client and others concerning the site. Accordingly C5 Plus Ltd. cannot accept responsibility for the deficiency, misstatement or inaccuracy contained in this Report as a result of misstatements, omissions, misrepresentations, or fraudulent acts of persons providing information.

6. RISK LIMITATION

Environmental consulting projects often have the potential to encounter dangerous or hazardous substances and the potential to cause an accidental release of those substances. In consideration of the provision of the services by C5 Plus Ltd., which are for the Client's benefit, the Client agrees to hold harmless and to indemnify and defend C5 Plus, its directors, officers, servants, agents, employees, workmen and contractors (hereinafter referred to as the "Company") from and against any and all claims, losses, damages, demands, disputes, liability and legal investigative costs of defense, regardless of any action or omission on the part of the Company, that result from an accidental release of pollutants occurring as a result of carrying out this project. This indemnification shall extend to all Claims brought or threatened against the Company under any federal or provincial statute as result of conduction work on this project. In addition to the above indemnification, the Client further agrees not to bring any Claims against the Company in connection with any of the aforementioned causes.

7. SERVICES OF SUBCONSULTANTS AND CONTRACTORS

The conduct of environmental studies frequently requires hiring the services of individuals and companies with special expertise and/or services not available within C5 Plus Ltd. C5 Plus Ltd. often arranges the hiring of these services as a convenience to its clients. As these services are for the client's benefit, the Client agrees to hold C5 Plus Ltd. harmless and to indemnify and defend C5 Plus from and against all claims arising through such hiring to the extent that the Client would incur had he hired those services directly. This includes responsibility for payment for services rendered and pursuit of damages for errors, omissions or negligence by those parties in carrying out their work. In particular, these conditions apply to the use of laboratory testing services.

8. CONTROL OF WORK AND JOBSITE SAFETY

C5 Plus Ltd. is only responsible for the activities of its employees on the jobsite. The presence of C5 Plus Ltd. personnel on the site shall not be construed in any way to relieve the Client or any contractors on site from their responsibilities for site safety. The Client undertakes to inform C5 Plus of all hazardous conditions, or possible hazardous conditions which are known to him. The Client also recognizes that the activities of C5 Plus Ltd. may uncover previously unknown hazardous materials and that such a discovery may result in the necessity to undertake emergency procedures to protect C5 Plus Ltd. employees, as well as the public at large and the environment, in general. These procedures may well involve additional costs outside of any budgets previously agreed to. The Client agrees to pay C5 Plus Ltd. for any expenses incurred as a result of such discoveries and to compensate C5 Plus Ltd. through payment of additional fees and expenses for time spent by C5 Plus Ltd. to deal with the consequences of such discoveries. The Client also acknowledges that, in some cases, the discovery of hazardous conditions and materials will require that certain regulatory bodies be informed and the Client agrees that notification to such bodies by C5 Plus Ltd. will not be a cause for action or dispute.

9. INDEPENDENT JUDGEMENTS OF CLIENT

The information in the Report is based on C5 Plus Ltd.'s interpretation of conditions revealed through limited investigation conducted within a defined scope of services. C5 Plus Ltd. cannot accept responsibility for independent conclusions, interpretations, interpolations and/or decisions of the Client, or other who may come into possession of the Report, or any part thereof, which may be based on information contained in the Report. This restriction of liability includes decisions made to either purchase or sell land.

APPENDIX A – SUPPORTING LABORATORY DATA

LABORATORY REPORT

Radon Gas (Electret Ion Chamber)

Client C5 PLUS LTD.
Field Operations
Suite 850 - 639 5th Ave SW
Calgary, AB T2P 0M9
Client Reference - 8934

Report Report ID: 2220
Issued: 24-Mar-2018

Samples Type: Rad Elect LST-00
Quantity: 26
Received: 23-Mar-2018
Analyzed: 23-Mar-2018
Protocol: C5-L501, Workplace Radon (Electret)
Reported Elevation: 880 m
Background Gamma: 74.8 nGy/hr

Analyst C. LaMontagne
(Digitally Signed)



C-NRPP Certified Radon Measurement Professional
C-NRPP Certified Radon Analytical Laboratory
Certification IDs: 201218CRT, 201614CAL

Notes NA

Lab ID	Electret	Deployed	Retrieved	Days	Initial Volts	Final Volts	Radon Bq/m ³	(+/-) Bq/m ³
33590	SJN310	18-Dec-2017, 03:25 PM	23-Mar-2018, 08:41 AM	94.72	685	585	87.8	4.6
33591	SJN375	18-Dec-2017, 03:25 PM	23-Mar-2018, 08:41 AM	94.72	685	589	82.1	4.3
33592	SJN351	18-Dec-2017, 03:37 PM	23-Mar-2018, 08:44 AM	94.71	676	565	103.6	5.3
33593	SGS335	18-Dec-2017, 03:37 PM	23-Mar-2018, 08:44 AM	94.71	277	271	< LOD	--
33594	SJN350	18-Dec-2017, 03:44 PM	23-Mar-2018, 08:45 AM	94.71	632	528	94.9	4.9
33595	SJN411	18-Dec-2017, 03:52 PM	23-Mar-2018, 08:46 AM	94.70	644	547	84.6	4.4
33596	SJN449	18-Dec-2017, 03:59 PM	23-Mar-2018, 08:49 AM	94.70	639	518	119.0	6.1
33597	SJN396	18-Dec-2017, 04:03 PM	23-Mar-2018, 08:48 AM	94.70	689	589	87.7	4.6
33599	SJP290	18-Dec-2017, 04:14 PM	23-Mar-2018, 08:39 AM	94.68	587	493	81.8	4.3
33600	SJN290	18-Dec-2017, 04:20 PM	23-Mar-2018, 08:36 AM	94.68	697	589	98.8	5.1
33601	SJN362	18-Dec-2017, 04:26 PM	23-Mar-2018, 08:35 AM	94.67	736	644	75.5	3.9
33602	SJP090	18-Dec-2017, 04:33 PM	23-Mar-2018, 08:34 AM	94.67	733	628	93.7	4.9
33603	SGS103	18-Dec-2017, 04:33 PM	23-Mar-2018, 08:34 AM	94.67	659	556	92.8	4.8
33604	SGR878	18-Dec-2017, 04:42 PM	23-Mar-2018, 08:32 AM	94.66	629	487	149.7	7.6
33605	SJN416	18-Dec-2017, 04:49 PM	23-Mar-2018, 08:30 AM	94.65	695	599	82.0	4.3
33606	SGS262	18-Dec-2017, 04:53 PM	23-Mar-2018, 08:28 AM	94.65	460	366	86.1	4.5
33608	SJP217	18-Dec-2017, 05:08 PM	23-Mar-2018, 08:58 AM	94.66	731	668	35.1	1.9
33609	SJP083	18-Dec-2017, 05:13 PM	23-Mar-2018, 09:00 AM	94.66	741	677	36.4	2.0
33610	SJP123	18-Dec-2017, 05:19 PM	23-Mar-2018, 09:10 AM	94.66	729	627	89.6	4.6
33611	SJP269	18-Dec-2017, 05:24 PM	23-Mar-2018, 09:07 AM	94.65	724	618	95.4	4.9
33612	SJP081	18-Dec-2017, 05:31 PM	23-Mar-2018, 09:09 AM	94.65	722	619	91.2	4.7
33613	SJP073	18-Dec-2017, 05:37 PM	23-Mar-2018, 09:07 AM	94.65	741	643	83.8	4.4
33614	SJP289	18-Dec-2017, 05:51 PM	23-Mar-2018, 08:55 AM	94.63	734	637	82.6	4.3
33615	SJP272	18-Dec-2017, 05:51 PM	23-Mar-2018, 08:55 AM	94.63	737	639	83.9	4.4
33616	SJP079	18-Dec-2017, 05:56 PM	23-Mar-2018, 08:57 AM	94.63	737	649	69.9	3.7
33617	SGS315	18-Dec-2017, 05:56 PM	23-Mar-2018, 08:57 AM	94.63	357	352	< LOD	--

LABORATORY REPORT

Radon Gas (Electret Ion Chamber)

Client C5 PLUS LTD.
Field Operations
Suite 850 - 639 5th Ave SW
Calgary, AB T2P 0M9
Client Reference - 8934

Report Report ID: 2221
Issued: 28-Mar-2018

Samples Type: Rad Elect LST-00
Quantity: 1
Received: 28-Mar-2018
Analyzed: 28-Mar-2018
Protocol: C5-L501, Workplace Radon (Electret)
Reported Elevation: 880 m
Background Gamma: 74.8 nGy/hr

Analyst C. LaMontagne
(Digitally Signed)



C-NRPP Certified Radon Measurement Professional
C-NRPP Certified Radon Analytical Laboratory
Certification IDs: 201218CRT, 201614CAL

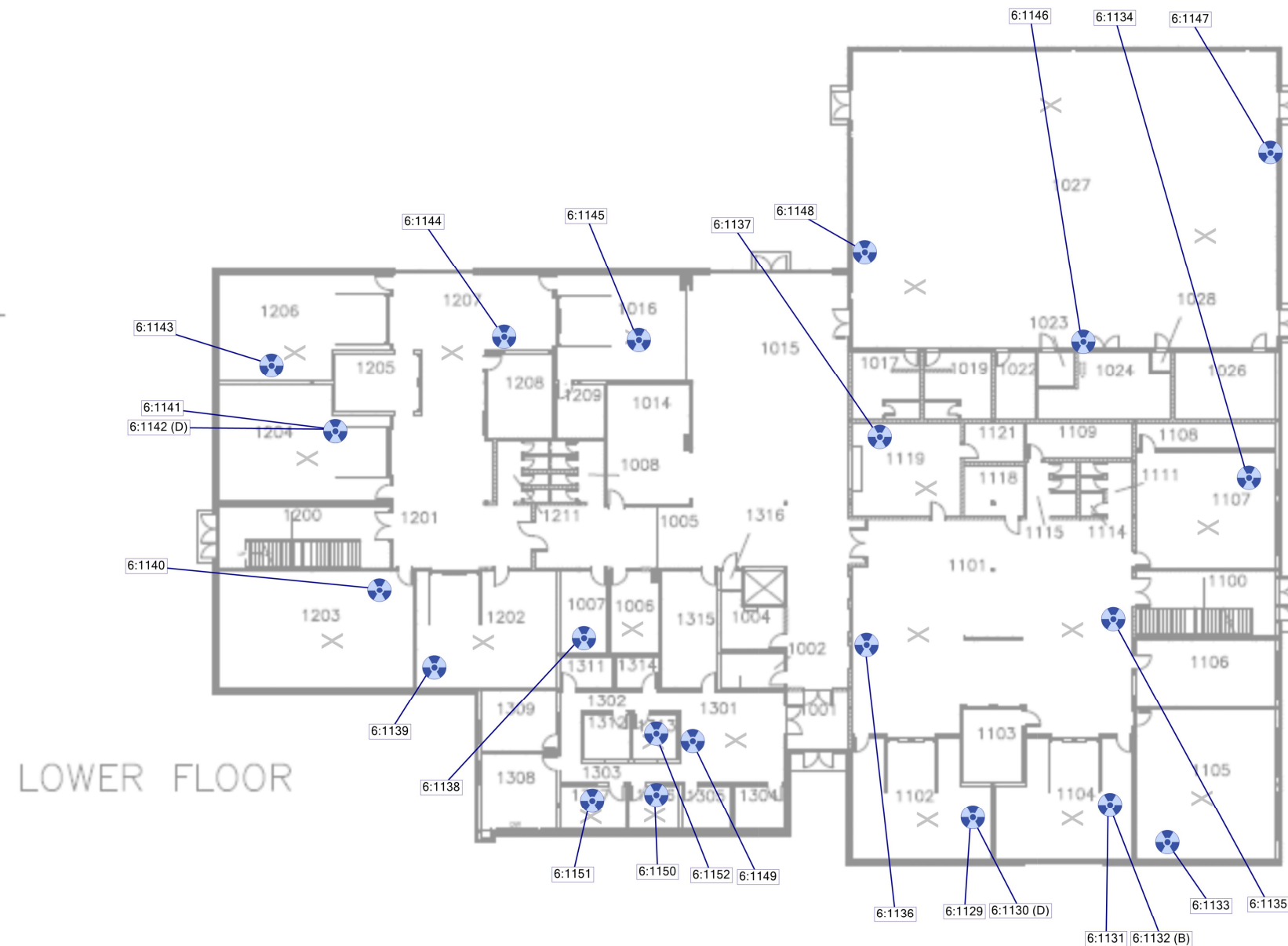
Notes NA

Lab ID	Electret	Deployed	Retrieved	Days	Initial Volts	Final Volts	Radon Bq/m ³	(+/-) Bq/m ³
33598	SJP212	18-Dec-2017, 04:09 PM	28-Mar-2018, 03:04 PM	99.95	736	615	107.2	5.5

APPENDIX B – DEPLOYMENT REPORT

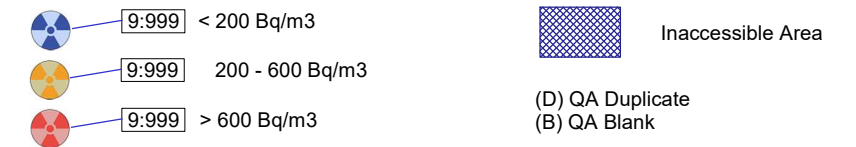
See attached documents.

APPENDIX C – SUMMARY FLOORPLANS



St. Gregory the Great Catholic School-Loong Term Radon Testing RPF

LEGEND



Deployment Notes


Deployment Date: 18-Dec-2017
Retrieval Dates: 23-Apr-2018, 28-Apr-2018

Sampling Protocol:
C5-501: Canadian Workplace/Schools Radon
Devices: LST-OO electret chambers

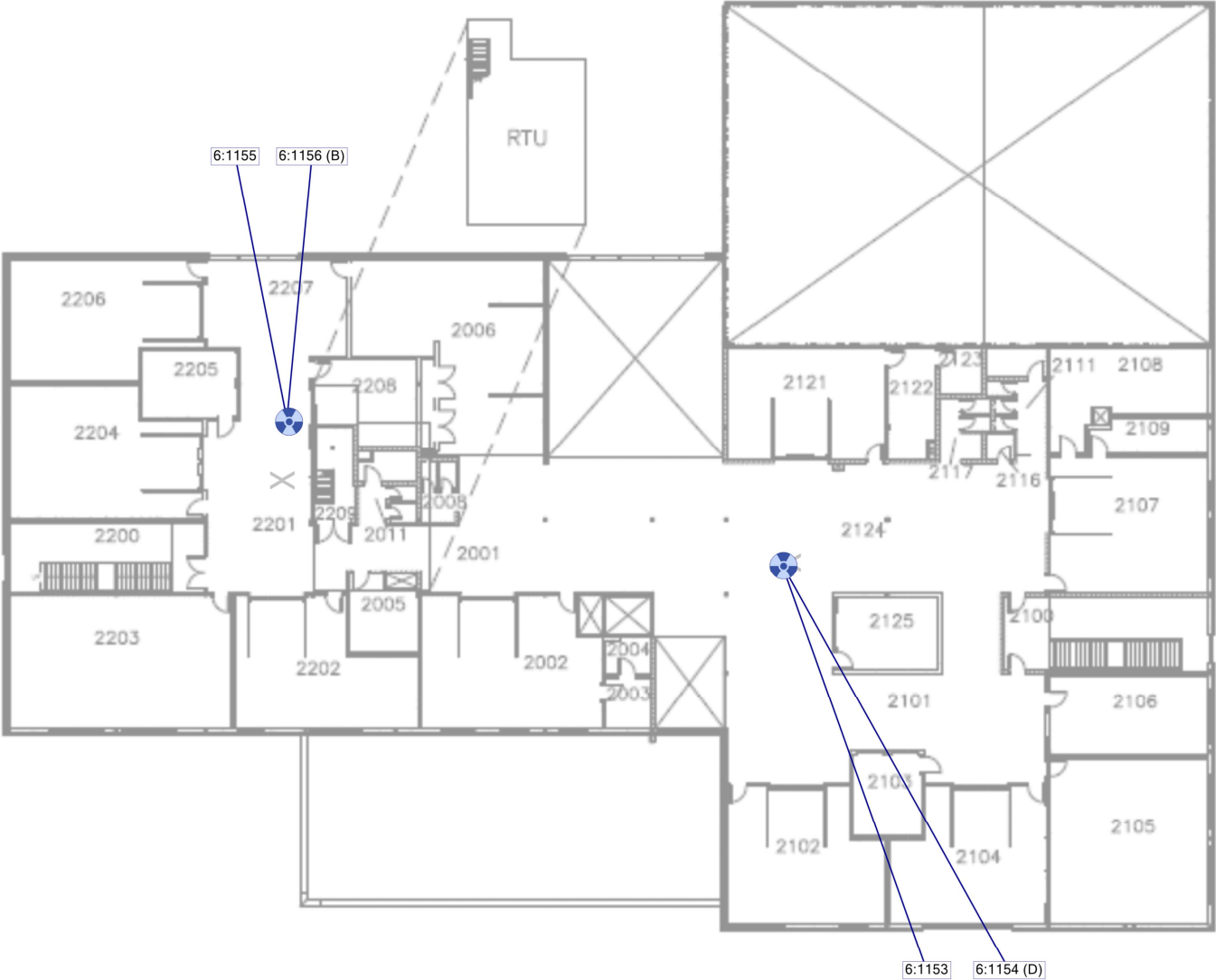
Electret Ion Chambers

ID	Location	Radon Bq/m3
6:1129	Room 1102, East wall	87.8
6:1130 D	Room 1102, East wall	82.1
6:1131	Room 1104, SE Corner	103.6
6:1132 B	Room 1104, SE Corner	< LOD
6:1133	Room 1105, SW Corner	94.9
6:1134	Room 1107, NE corner	84.6
6:1135	Room 1101, S of E doorway	119.0
6:1136	Room 1101, W side middle	87.7
6:1137	Kitchen 1119, NE Corner	107.2
6:1138	Room 1007, S above cabinet	81.8
6:1139	Room 1202, SE Corner by desk	98.8
6:1140	Room 1203, Above NE desk by door	75.5
6:1141	Room 1204, NE by wall	93.7
6:1142 D	Room 1204, NE by wall	92.8
6:1143	Room 1206, SW Corner above desk	149.7
6:1144	Room 1207, N of room 1208	82.0
6:1145	Room 1216, Above main desk	86.1
6:1146 X	Gym, S wall above 1024	NA
6:1147	Gym, NE Corner S of doorway	35.1
6:1148	Gym, SW Corner by doorway	36.4
6:1149	Room 1301, Main office reception above credenza	89.6
6:1150	Room 1306, V Principal N side	95.4
6:1151	Room 1307, N side near bookshelf	91.2
6:1152	Room 1313, W wall above chairs	83.8

SCALE: Not To Scale


PROJECT ID: 8934	Red Deer Catholic Regional Schools	
SKETCH: 8934-Rn-003	St. Gregory the Great Catholic School Radon Detector Summary Lower Floor	
CREATED BY: CAL		
DATE: 01-Apr-2018		

UPPER FLOOR




St. Gregory the Great Catholic School-Loong Term Radon Testing RPF


LEGEND




9:999 < 200 Bq/m3



9:999 200 - 600 Bq/m3



9:999 > 600 Bq/m3



Inaccessible Area

(D) QA Duplicate
(B) QA Blank

Deployment Notes


Deployment Date: 18-Dec-2017
Retrieval Date: 23-Apr-2018

Sampling Protocol:
C5-501: Canadian Workplace/Schools Radon
Devices: LST-OO electret chambers

Electret Ion Chambers

ID	Location	Radon Bq/m3
6:1153	Upper Level, Common area , Above lockers	82.6
6:1154 D	Upper Level, Common area , Above lockers	83.9
6:1155	Upper Level, 2201 Common, E side of W common	69.9
6:1156 B	Upper Level, 2201 Common, E side of W common	< LOD

SCALE: Not To Scale

PROJECT ID: 8934	Red Deer Catholic Regional Schools St. Gregory the Great Catholic School Radon Detector Summary Upper Floor	
SKETCH: 8934-Rn-004		
CREATED BY: CAL		
DATE: 01-Apr-2018		