



November 11, 2020

Zach Nannestad
Douglas County School District
2812 N. Highway 85
Castle Rock, CO 80109

**Re: Acres Green Elementary School – 13524 Acres Green Drive in Littleton, CO 80124
Radon Sampling Assessment**

Dear Mr. Nannestad:

Quality Environmental Services & Technologies Inc. (QUEST) is pleased to assist Douglas County School District (DCSD) with the ongoing radon survey of its schools. At your request, QUEST conducted radon testing at the Acres Green Elementary School, located at 13524 Acres Green Drive in Littleton, Colorado.

Sixty-one (61) AirChek radon test kits were placed on January 21, 2020 and were retrieved on January 23, 2020. The attached laboratory report identifies that radon concentrations in all locations except Rooms 13A, 16 and the kitchen office (and the duplicate) met the EPA guideline of 4 pCi/L for acceptable radon concentrations.

Since QUEST's January 2020 radon sampling in the school, the ventilation system reportedly has been modified to increase the airflow. At your request, QUEST conducted follow-up radon testing at Acres Green Elementary School in October of 2020.

On October 27, 2020, QUEST placed three (3) AirChek radon test kits in the following locations: Room 13A, kitchen office, and Room 16. The test kits were retrieved on October 29, 2020. The attached laboratory report specifies the detected radon concentration in the kitchen office is below the EPA guideline of 4 pCi/L for acceptable radon concentrations. Although the radon concentrations in Rooms 13A and 16 exceeded the EPA guideline, DCSD has chosen to re-purpose both rooms into unoccupied storage space, thus no additional mitigation or sampling is needed. DCSD has agreed to post signage on both doors stating that they cannot be utilized as classrooms or meeting spaces. If DCSD opts to utilize these two rooms in the future, additional mitigation and re-sampling will need to be conducted prior to occupation.

If you have any questions, or if we may be of additional assistance, please contact QUEST, Inc. at 303-935-1573. We look forward to our continued association.

Sincerely,



Robert A. Woellner
Senior Scientist
NEHA: NRPP Certification #105324RT



Anatole Konowal
Project Manager

Attachment: Laboratory Report

Radon test result report for:
ACRES GREEN E.S.

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
9291906	09 - GYM OFFICE	2020-01-21 @ 11:00 am	2020-01-23 @ 12:00 pm	2.2 ± 0.3	2020-01-24
9291899	120	2020-01-21 @ 11:00 am	2020-01-23 @ 12:00 pm	1.7 ± 0.3	2020-01-24
9291908	13A	2020-01-21 @ 12:00 pm	2020-01-23 @ 12:00 pm	10.4 ± 0.6	2020-01-24
9291926	16	2020-01-21 @ 12:00 pm	2020-01-23 @ 12:00 pm	4.9 ± 0.4	2020-01-24
9291942	166/66	2020-01-21 @ 12:00 pm	2020-01-23 @ 12:00 pm	1.5 ± 0.3	2020-01-24
9291941	168	2020-01-21 @ 12:00 pm	2020-01-23 @ 12:00 pm	1.4 ± 0.3	2020-01-24
9291898	20	2020-01-21 @ 11:00 am	2020-01-23 @ 12:00 pm	1.7 ± 0.3	2020-01-24
9291909	23	2020-01-21 @ 12:00 pm	2020-01-23 @ 12:00 pm	1.5 ± 0.3	2020-01-24
9291895	28	2020-01-21 @ 11:00 am	2020-01-23 @ 12:00 pm	1.5 ± 0.3	2020-01-24
9291896	29/31	2020-01-21 @ 11:00 am	2020-01-23 @ 12:00 pm	1.6 ± 0.3	2020-01-24
9291900	3	2020-01-21 @ 11:00 am	2020-01-23 @ 12:00 pm	1.3 ± 0.3	2020-01-24
9291918	32	2020-01-21 @ 12:00 pm	2020-01-23 @ 12:00 pm	1.8 ± 0.3	2020-01-24
9291952	33 - LIBRARY OFFICE	2020-01-21 @ 1:00 pm	2020-01-23 @ 1:00 pm	1.5 ± 0.3	2020-01-24
9291919	34	2020-01-21 @ 12:00 pm	2020-01-23 @ 12:00 pm	1.4 ± 0.3	2020-01-24
9291953	34 - LIBRARY OFFICE	2020-01-21 @ 1:00 pm	2020-01-23 @ 1:00 pm	1.4 ± 0.3	2020-01-24
9291954	35 - LIBRARY OFFICE	2020-01-21 @ 1:00 pm	2020-01-23 @ 1:00 pm	< 0.3	2020-01-24
9291910	36	2020-01-21 @ 12:00 pm	2020-01-23 @ 12:00 pm	1.8 ± 0.3	2020-01-24
9291912	37	2020-01-21 @ 12:00 pm	2020-01-23 @ 12:00 pm	1.6 ± 0.3	2020-01-24
9291913	37	2020-01-21 @ 12:00 pm	2020-01-23 @ 12:00 pm	< 0.3	2020-01-24
9291911	37	2020-01-21 @ 12:00 pm	2020-01-23 @ 12:00 pm	1.5 ± 0.3	2020-01-24
9291914	38	2020-01-21 @ 12:00 pm	2020-01-23 @ 12:00 pm	1.7 ± 0.3	2020-01-24
9291915	39	2020-01-21 @ 12:00 pm	2020-01-23 @ 12:00 pm	1.7 ± 0.3	2020-01-24
9291916	40	2020-01-21 @ 12:00 pm	2020-01-23 @ 12:00 pm	1.8 ± 0.3	2020-01-24
9291917	41	2020-01-21 @ 12:00 pm	2020-01-23 @ 12:00 pm	1.5 ± 0.3	2020-01-24
9291920	42	2020-01-21 @ 12:00 pm	2020-01-23 @ 12:00 pm	1.6 ± 0.3	2020-01-24
9291921	43	2020-01-21 @ 12:00 pm	2020-01-23 @ 12:00 pm	1.7 ± 0.3	2020-01-24
9291922	44	2020-01-21 @ 12:00 pm	2020-01-23 @ 12:00 pm	2.5 ± 0.3	2020-01-24
9291923	44	2020-01-21 @ 12:00 pm	2020-01-23 @ 12:00 pm	2.5 ± 0.3	2020-01-24
9291936	44	2020-01-21 @ 12:00 pm	2020-01-23 @ 12:00 pm	1.5 ± 0.3	2020-01-24
9291925	46	2020-01-21 @ 12:00 pm	2020-01-23 @ 12:00 pm	2.1 ± 0.3	2020-01-24
9291927	48	2020-01-21 @ 12:00 pm	2020-01-23 @ 12:00 pm	2.3 ± 0.3	2020-01-24
9291928	49	2020-01-21 @ 12:00 pm	2020-01-23 @ 12:00 pm	2.5 ± 0.3	2020-01-24
9291929	50	2020-01-21 @ 12:00 pm	2020-01-23 @ 12:00 pm	2.8 ± 0.3	2020-01-24
9291930	51	2020-01-21 @ 12:00 pm	2020-01-23 @ 12:00 pm	2.3 ± 0.3	2020-01-24
9291932	53	2020-01-21 @ 12:00 pm	2020-01-23 @ 12:00 pm	2.1 ± 0.3	2020-01-24
9291933	53	2020-01-21 @ 12:00 pm	2020-01-23 @ 12:00 pm	< 0.3	2020-01-24
9291931	53	2020-01-21 @ 12:00 pm	2020-01-23 @ 12:00 pm	2.5 ± 0.3	2020-01-24

Radon test result report for:
ACRES GREEN E.S.

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
9291934	54	2020-01-21 @ 12:00 pm	2020-01-23 @ 12:00 pm	2.3 ± 0.3	2020-01-24
9291935	57	2020-01-21 @ 12:00 pm	2020-01-23 @ 12:00 pm	1.4 ± 0.3	2020-01-24
9291937	59	2020-01-21 @ 12:00 pm	2020-01-23 @ 12:00 pm	1.2 ± 0.3	2020-01-24
9291938	62	2020-01-21 @ 12:00 pm	2020-01-23 @ 12:00 pm	2.1 ± 0.3	2020-01-24
9291939	64	2020-01-21 @ 12:00 pm	2020-01-23 @ 12:00 pm	2.0 ± 0.3	2020-01-24
9291940	65	2020-01-21 @ 12:00 pm	2020-01-23 @ 12:00 pm	1.6 ± 0.3	2020-01-24
9291944	70	2020-01-21 @ 12:00 pm	2020-01-23 @ 12:00 pm	1.2 ± 0.3	2020-01-24
9291943	70	2020-01-21 @ 12:00 pm	2020-01-23 @ 12:00 pm	1.3 ± 0.3	2020-01-24
9291945	71	2020-01-21 @ 12:00 pm	2020-01-23 @ 12:00 pm	1.0 ± 0.3	2020-01-24
9291946	78	2020-01-21 @ 12:00 pm	2020-01-23 @ 12:00 pm	0.9 ± 0.3	2020-01-24
9291947	79	2020-01-21 @ 12:00 pm	2020-01-23 @ 12:00 pm	1.2 ± 0.3	2020-01-24
9291924	8	2020-01-21 @ 12:00 pm	2020-01-23 @ 12:00 pm	2.4 ± 0.3	2020-01-24
9291948	80	2020-01-21 @ 12:00 pm	2020-01-23 @ 12:00 pm	1.5 ± 0.3	2020-01-24
9291949	81	2020-01-21 @ 12:00 pm	2020-01-23 @ 12:00 pm	1.3 ± 0.3	2020-01-24
9291950	82	2020-01-21 @ 12:00 pm	2020-01-23 @ 12:00 pm	1.3 ± 0.3	2020-01-24
9291951	83	2020-01-21 @ 12:00 pm	2020-01-23 @ 12:00 pm	1.4 ± 0.3	2020-01-24
9291901	CAFETERIA	2020-01-21 @ 11:00 am	2020-01-23 @ 12:00 pm	2.5 ± 0.3	2020-01-24
9291905	GYM	2020-01-21 @ 11:00 am	2020-01-23 @ 12:00 pm	2.3 ± 0.3	2020-01-24
9291904	GYM	2020-01-21 @ 11:00 am	2020-01-23 @ 12:00 pm	2.7 ± 0.3	2020-01-24
9291902	KITCHEN OFFICE	2020-01-21 @ 11:00 am	2020-01-23 @ 12:00 pm	4.0 ± 0.3	2020-01-24
9291903	KITCHEN OFFICE	2020-01-21 @ 11:00 am	2020-01-23 @ 12:00 pm	4.5 ± 0.3	2020-01-24
9291894	MAIN OFFICE	2020-01-21 @ 11:00 am	2020-01-23 @ 12:00 pm	1.5 ± 0.3	2020-01-24
9291897	PROF. LEARNING SPCL	2020-01-21 @ 11:00 am	2020-01-23 @ 12:00 pm	1.6 ± 0.3	2020-01-24
9291907	STAGE	2020-01-21 @ 12:00 pm	2020-01-23 @ 12:00 pm	3.5 ± 0.3	2020-01-24

P8643 / ROBERT WOELLNER

Kit Number	Start Date	Start Time	End Date	End Time	Temp.	Facility	Building	Room	Project ID	Floor	Result
9385010	2020-10-27	10:00 am	2020-10-29	12:00 pm	70	ACRES GREEN E.S.		16	2010100-01	1	5.6
9385012	2020-10-27	10:00 am	2020-10-29	12:00 pm	70	ACRES GREEN E.S.		KITCHEN OFFICE	2010100-01	1	2.6
9385013	2020-10-27	10:00 am	2020-10-29	12:00 pm	70	ACRES GREEN E.S.		13A	2010100-01	1	9.0

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