

7.2 RADON

Radon is a naturally-occurring, colorless and odorless radioactive gas that is generated primarily in granitic rocks. The United States Surgeon General has published information that radon is a cause of lung cancer. Radon usually enters a building through openings in the foundation, and therefore is a potential health concern to residents of the lowest level of a building with inadequate ventilation.

The EPA Map of Radon Zones indicates that El Paso County is located within a Zone I radon area. Zone I is defined as an area that has a high potential for radon gas, with a predicted average indoor radon screening level greater than 4.0 picoCuries per liter (pCi/L). The EPA recommended Action Level for radon is 4.0 pCi/L.

EBI conducted a limited short-term radon screening of the Subject Property. A total of 17 radon test canisters were placed on the lowest occupied levels of each of the apartment buildings. This testing program was not intended to be a comprehensive radon survey. The radon test canisters were exposed for a minimum of 48 hours and a maximum of 96 hours and were sent to an accredited laboratory for analysis by liquid scintillation (LS). The sampling locations and laboratory analytical results are presented in the following table:

RADON SCREENING RESULTS		
Canister No.	Location	Radon Concentration (pCi/L)
549768	Building 4005, Unit 1106, Living Room	1.2
549760	Building 4015, Unit 1109, Living Room	1.5
549755	Building 4025, Unit 1118, Living Room	5.6
549688	Building 4065, Unit 1134, Kitchen	7.1
549761	Building 4125, Unit 1191, Kitchen	7.9
549777	Building 4055, Unit 1136, Living Room	2.6
549785	Building 4035, Unit 1124, Living Room	3.0

RADON SCREENING RESULTS		
Canister No.	Location	Radon Concentration (pCi/L)
549764	Building 4045, Unit 1150, Living Room	2.5
549758	Building 4145, Unit 1153, Bedroom	1.7
549781	Building 4135, Unit 1164, Living Room	3.2
549740	Building 4155, Unit 1170, Living Room	0.4
547384	Building 4165, Unit 1179, Living Room	1.4
549733	Building 4175, Unit 1184, Living Room	7.1
549687	Building 4075, Unit 1221, Living Room	4.7
549771	Building 4185, Unit 1200, Living Room	1.9
549774	Building 4195, Unit 1207, Living Room	0.9
549723	Building 4095, Unit 1211, Kitchen	3.7

Laboratory analysis indicated that 5 of 17 sample results were above the USEPA action level of 4.0 pCi/L.