

Spiked Sample Means Control Chart

RPE 0	30%	3 sigma control level
	20%	2 sigma warning level
	-20%	2 sigma warning level
	-30%	3 sigma control level
	Spike Number	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

After 20 measurements have been performed the actual mean and standard deviation shall be calculated and a new means control chart produced and placed in service. 2 consecutive measurements outside the same 2 sigma warning level should be investigated to determine cause of bias. Any measurement outside the 3 sigma control level should be investigated. **See KDHE Quality Assurance Plan for Conducting Radon Measurements, section B.5.1**