Structure Samples at Jana Elementary

What We Did:

- Structural surface surveys and sampling efforts were conducted at Jana Elementary School October 24 October 28, 2022.
 - Total number of results: 922.

What We Looked For:

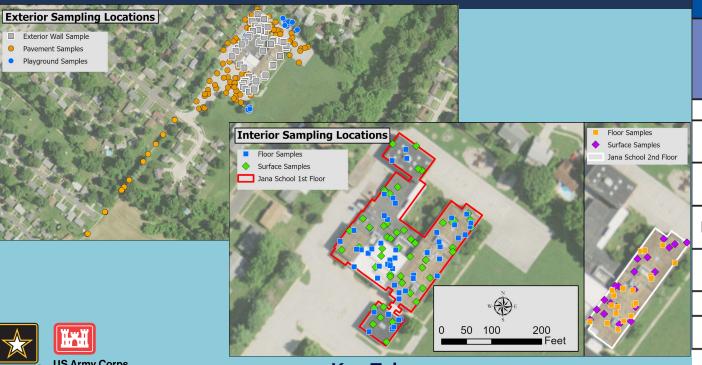
 Surveys and sampling was conducted to look for radiological contamination on accessible floor surfaces, walls, furniture, equipment, countertops, exterior pavement, exterior walls, a walkway, and playground equipment.

What We Found:

- Preliminary results show no presence of radioactive material above the expected range of background levels (the level of radioactivity Mother Nature already provides).
- Lead-210 results are within the expected range of background levels and do not pose a health risk.

What It Means:

- From a radiological standpoint, the school is safe.
- No radioactive material or contamination exceeded the expected range of natural background levels.



Key Takeaways:

• The lead-210 identified at Jana Elementary results from background levels of radon gas decaying through to lead-210.

• There are no areas of radiological concern in and around the school.

	Structure Surfaces Data Summary										
	Type of Surface	Alpha Radioactivity (dpm/100 cm²)					Beta Radioactivity (dpm/100 cm²)				
		Fixed-Point Measurements				Swipes	Fixed-Point Measurements				Swipes
		Number	Mean	Max	Results®	Results⁵	Number	Mean	Max	Results®	Results⁵
	Floors	124	53	262	< RG	< MDA	124	115	678	< RG	< MDA
) r	Interior Walls Tile, Brick	29	91	295	< RG	< MDA	29	785	2,975	< RG	< MDA
	Interior Walls Other	82	68	208	< RG	< MDA	82	118	830	< RG	< MDA
	Exterior Walls	57	36	97	< RG	< MDA	57	1,095	2,308	< RG	< MDA
	Playground Equipment	25	52	137	< RG	< MDA	25	325	1,026	< RG	< MDA
	Asphalt	106	70	206	< RG	< MDA	106	454	1,029	< RG	< MDA
	Concrete	38	139	280	< RG	< MDA	38	765	1,534	< RG	< MDA
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- a Comparison to the remediation goal (RG). Gross Alpha RG = 2800 dpm/100cm2. Gross Beta RG = 6000 dpm/100cm2.
- b Minimum detectable activity (MDA): lowest value that could be detected for a sample. Highest MDAs for alpha and beta were 6.14 and 8.5 dpm/100 cm2, respectively









