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## MEMORANDUM

**To:** Jerry Bishop, Facilities, Tully Central School District  
**From:** Donald Warnow, Safety Officer OCM BOCES  
**Re:** Particle Counting in the Elementary School building  
**Date:** June 21, 2019

At your request, I visited Tully Central on Friday, June 21, 2019, to conduct air sampling. Because general dust is always a concern during a construction project, it was decided to perform dust sampling in various areas within the Elementary School building. These areas were chosen to correspond with current construction areas in the building.

### Particulate (Dust) Sampling

Particulate testing was performed using a ‘direct-read’ Met-One Model 237 Laser Particle Counter to determine overall particulate levels of respirable dust within specific areas as noted in the table below. To assess the levels, the results were compared to the OSHA Permissible Exposure Limit (PEL). Typical instructional/office activities were being performed at the time of testing. The areas appeared clean and dry during my visit.

The results are as follows:

<u>Location</u>	<u>Raw Count</u>	<u>mppcf</u>
Elementary hall by room 33	68,756	.687
Elementary hall by DO	66,903	.669
Elementary gym	72,684	.727

\* Instrument displays raw data as particles per tenth of a cubic foot of air. Raw data is multiplied by 10 to convert to particles per cubic foot of air and then divided by 1,000,000 to express as Millions of Particles Per Cubic Foot (**mppcf**) of air to allow direct comparison to OSHA limits (OSHA Table Z-3).

OSHA Permissible Exposure Limit (PEL) - Respirable Dust = 15 mppcf

### **Results**

As shown by the test results, the particulate counts in all areas tested were well below the OSHA 15 mppcf for Respirable Dusts. These numbers are similar to the counts that were recorded at Tully Elementary when I tested previously on October 25, November 21, and December 19, 2018 and June 7, 2019.

### **Conclusions**

Indoor levels are well below the legal health standards established by OSHA.

If further explanation is required, please feel free to contact me.