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## MEMORANDUM

**To:** Rob Hughes, Superintendent, Tully Central School District

**From:** Donald Warnow, Safety Officer OCM BOCES

**Re:** Particle Counting in the Elementary and High School buildings

**Date:** December 21, 2018

As a standing request, I visited Tully Central on Wednesday, December 19, 2018, to conduct air sampling, as a follow up to previous testing. Because general dust is always a concern during a construction project, it was decided to perform dust sampling in various areas within the Elementary and High School buildings. These areas were chosen to correspond with previous air testing completed in the buildings.

### 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 Lobby	67,100	.671
Elementary hall by room 39	51,508	.515
Preble Wing	56,875	.568
Elementary nurse's off.	90,695	.907
District Office lobby	53,585	.536
High School Lobby	59,252	.593
High School Conference Rm.	78,675	.787
High School Guidance	73,812	.738
High School Office	73,675	.737

\* 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 when I tested previously on October 25 and November 21, 2018.

### **Conclusions**

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

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