

August 25, 2020

Ms. Paula J. Smith
Business Administrator
Cape May County Technical School District
188 Crest Haven Road
Cape May Court House, NJ 08210

Dear Ms. Smith,

This report summarizes the results of the August 20, 2020 mercury air monitoring of the Cape May Technical School MAC gym.

Air Monitoring Findings revealed the following:

- Outdoor airborne mercury was measured at approximately 0.00 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) approximately equivalent to the lower detection limit for the J505 Mercury Vapor Monitor. Outdoor temperature was approximately 80°F@52% relative humidity at the time of monitoring (79 grains per pound).
- Gym temperature averaged 68°F. Average relative humidity was 70% (71 grains per pound). This shows that the air handler was introducing outdoor air and removing humidity as designed.
- Continuous air monitoring conducted within the center of the MAC gym between approximately 11:20 AM and 2:25 PM revealed average airborne mercury levels at 0.29 $\mu\text{g}/\text{m}^3$; below the NJ Department of Health guideline of 0.8 $\mu\text{g}/\text{m}^3$.

Based upon the above, it is our professional opinion that the airborne mercury levels within the MAC gym during our August 2020 monthly air monitoring with the HVAC running in 24/7 occupied mode **averaged 0.29 $\mu\text{g}/\text{m}^3$; lower than NJ Department of Health guideline of 0.8 $\mu\text{g}/\text{m}^3$.**

Thank you for the opportunity to assist you with the evaluation. Please contact me with any questions at (856)764-3557.

Sincerely,

Richard M. Lynch

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President, ESMCorp

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