

February 28, 2023

Ms. Anne Gibboni,
Director, Facilities
Cape May County Technical School District
188 Crest Haven Road
Cape May Court House, NJ 08210

Dear Ms. Gibboni,

This report summarizes the results of the February 14th – 15th, 2023, routine mercury air monitoring of the Cape May Technical School MAC gym. This monitoring was for the 3rd quarter monitoring period of the 2022-2023 school year.

Airborne mercury levels measured near the gym stage **during occupied mode averaged 0.10 $\mu\text{g}/\text{m}^3$ to 0.15 $\mu\text{g}/\text{m}^3$** ; well below the NJDOH Guideline of 0.8 $\mu\text{g}/\text{m}^3$. Airborne mercury levels **during un-occupied mode** from 9PM on February 14th, 2023 to 6AM on February 15th, 2023 **averaged, 0.29 $\mu\text{g}/\text{m}^3$ (range 0.00 - 0.48 $\mu\text{g}/\text{m}^3$)**; also well below the NJDOH Guideline of 0.8 $\mu\text{g}/\text{m}^3$.

Based upon these findings, it is our professional opinion that the gym's HVAC systems are effective at controlling airborne mercury concentrations at the current settings.

Based upon these findings, the following recommendations should be considered:

1. Continue operating the gym's HVAC system in the current mode (occupied mode 6:00 AM to 9:00PM).
2. Continue regular non-abrasive floor cleaning of the MAC gym floor and stage areas to prevent accumulation of excessive dusts.

Our next quarterly monitoring will be scheduled for May 2023.

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

Sincerely,
Richard A. Lynch
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