

December 15, 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 November 30th to December 1st, 2023, routine mercury air monitoring of the Cape May Technical School MAC gym.

Continuous air monitoring for airborne mercury was conducted over an approximate 23-hour period within the MAC gym from approximately 2:45 PM on November 30, 2023 to 1:55 PM on December 1st, 2023 during normal use by students and staff. Temperature and humidity were monitored over the same period.

Results

Airborne mercury levels measured near the gym stage from 2:45 PM on November 30th, 2023 to 1:55 PM on December 1st, 2023 **averaged, 0.18 µg/m³ (range 0.07 - 0.29 µg/m³)**; well below the NJDOH Guideline of 0.8 µg/m³. Gym temperature averaged 66°F and ranged from 64-67°F. Relative humidity averaged 31%.

Conclusions

Based upon the above, it is our professional opinion that airborne mercury levels within the MAC gym averaged 0.18µg/m³; lower than NJ Department of Health guideline of 0.8 µg/m³. 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. Our next monitoring will be scheduled for February/March 2024.

Sincerely,
Richard A. Lynch
Richard A. Lynch, MBA, CIH, CIEC
Certified Industrial Hygienist
NJ Licensed Indoor Environmental Consultant
www.esmcorp.com

Reviewed and Authorized:
Richard M. Lynch
Richard M. Lynch, Ph.D., CIH, CMC, CMRS, CHFM
NJ Licensed Indoor Environmental Consultant
President, ESMCorp
rlynch@esmcorp.com