

March 31, 2026

Mr. Kelvin White
Director, Facilities
North Plainfield School District
33 Mountain Avenue
North Plainfield, NJ 07060

Dear Mr. White,

This report summarizes the results of our March 25-26, 2026 3rd Quarter mercury air monitoring of the Somerset Intermediate School gym for mercury vapors. Evaluation criteria and methods are identical to those previously reported and will not be repeated herein.

I. Methods

The following methods were followed during this assessment:

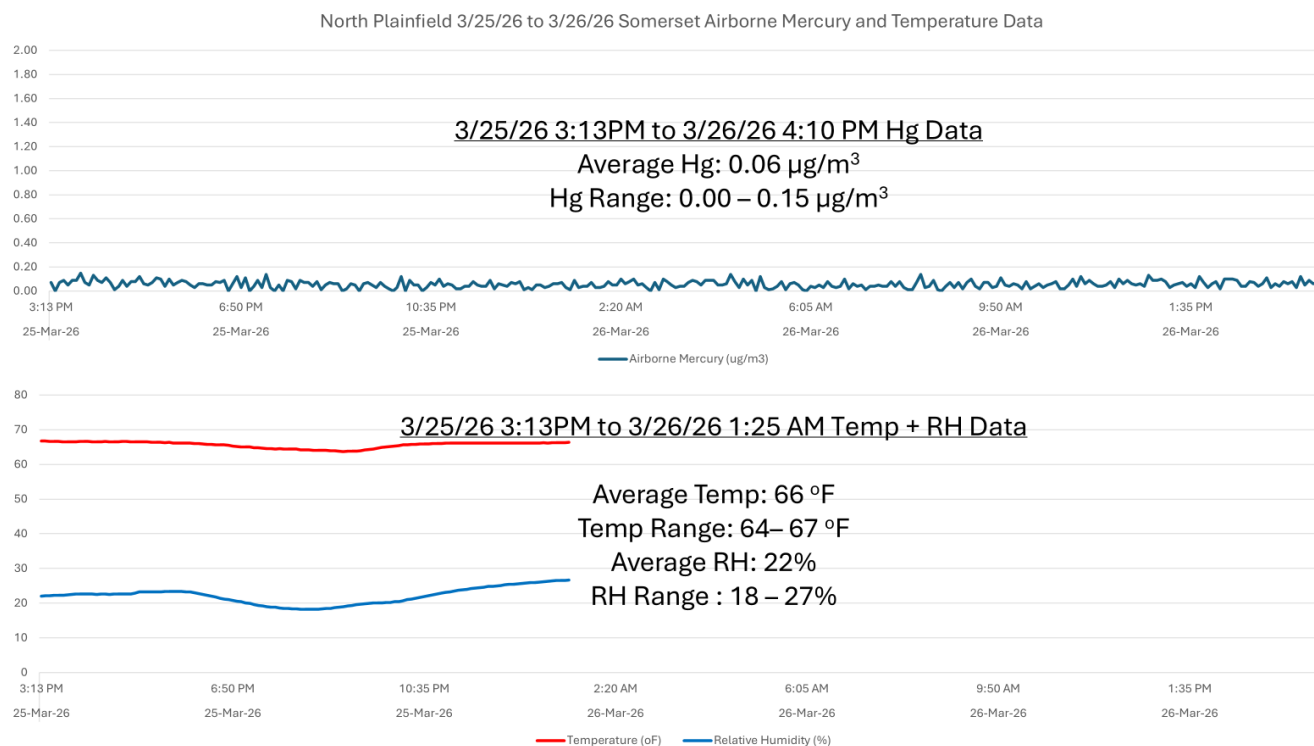
1. Continuous air monitoring was conducted over an approximate 24-hour period within the gym during normal occupancy by students and staff between approximately 3:15 PM on March 25 to 4:10 PM on March 26, 2026.
2. All mercury air monitoring was conducted using a calibrated Jerome J505 Mercury Vapor Analyzer with a reported detection limit of 0.05 $\mu\text{g}/\text{m}^3$ which reads as low as 0.00 $\mu\text{g}/\text{m}^3$ with a resolution of 0.01.
3. Temperature and humidity were monitored over the same period using a TSI Q-Trak 7575 IAQ monitor.

II. Findings

Findings revealed the following:

- Outdoor airborne mercury was measured at approximately 0.01 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$). The outdoor temperature ranged between 46-55 °F during the inspection period.
- Airborne mercury levels measured in the gym **averaged 0.06 $\mu\text{g}/\text{m}^3$ (range 0.00 to 0.15 $\mu\text{g}/\text{m}^3$); well below the NJDOH Guideline of 0.8 $\mu\text{g}/\text{m}^3$.**
- Gym temperature averaged approximately 66°F.

Figure #1 below shows details of continuous monitoring results.



III. Conclusions and Recommendations

The 3rd Quarter routine mercury monitoring of the Somerset Intermediate School gym revealed that airborne mercury averaged 0.06 $\mu\text{g}/\text{m}^3$; substantially lower than the NJ Department of Health guideline of 0.8 $\mu\text{g}/\text{m}^3$. No unusual mercury exposure hazard is suggested for students, staff or visitors.

Recommendations

1. Continue routine non-abrasive floor cleaning and operating the gym's HVAC settings for temperature control and fresh air introduction leading into the Springtime.
2. Our final Q4 monitoring will be scheduled for late May-Early June 2026.

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

Richard M. Lynch, Ph.D., CIH, CMC, CMRS, CHFM

President - Environmental Safety Management Corporation - www.esmcorp.com

Certified Industrial Hygienist

Certified Microbial Consultant

Certified Microbial Remediation Supervisor

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