



July 31, 2014

Update from the Superintendent

BUILDING H (CAFETERIA/AUDITORIUM) TO REOPEN FOLLOWING ENVIRONMENTAL TESTING

The first phase of our environmental inspection, sampling and cleaning has been completed in Building H (Cafeteria/Auditorium). Attached you will find a summary of pre- and post-cleaning results for this area. This report provides the preliminary results and initial conclusions. These data show that PCB concentrations in all air and wipe samples taken in 8 regularly occupied rooms are lower than EPA's acceptable exposure levels both before and after BMP cleaning. Therefore, BMP cleaning was successful and no additional BMP cleaning in these regularly occupied rooms of Building H (Cafeteria/Auditorium) is needed. Based on this information, the District will reopen this area for school and community activities beginning August 1, 2014. A building-specific report summarizing inspection observations, sampling locations and results, and conclusions is pending receipt of validated data and will be posted online when completed.

July 30, 2014

MEMORANDUM

To: Sandra Lyon, SMMUSD Superintendent

From: ENVIRON International Corporation

Re: **Summary of Pre- and Post-Cleaning Polychlorinated Biphenyls (PCBs) Results for MHS Building H (Cafeteria/Auditorium)**

This report is submitted to the Santa Monica-Malibu Unified School District (SMMUSD or District) to summarize the preliminary¹ results from pre- and post-cleaning sampling at Malibu High School (MHS), Building H (Cafeteria/Auditorium). This report also provides initial conclusions from the data pending the preparation of a building-specific report summarizing inspection observations, sampling locations and results, and conclusions after receiving all validated data, as discussed in our [July 25, 2014 update](#) to the District.

Executive Summary

The results show that PCB concentrations in **all** air and wipe samples taken in 8 regularly occupied rooms are lower than EPA's acceptable exposure levels both before and after BMP cleaning. Since pre-cleaning sampling values were below USEPA thresholds, the results would indicate that BMP cleaning was not needed to address any residual PCB concentrations. Despite these results, the District proceeded with BMP cleaning of this building, and post-BMP cleaning testing indicates that no additional BMP cleaning in the regularly occupied rooms of Building H (Cafeteria/Auditorium) is needed per the July 3rd MHS Specific Plan²:

- Based on review of all preliminary¹ air sample results, the results for MHS Building H show that **all** (8 samples) airborne levels of PCBs in the sampled rooms are not detected and therefore below USEPA's recommended health-based benchmark of 200 ng/m³ including samples taken both before and after the cleaning of these areas.
- Based on review of all preliminary¹ surface wipe sample results in the regularly occupied rooms of Building H, PCB concentrations in **all** (25 samples) surface wipe samples are below USEPA's recommended threshold of 1 µg/100 cm² both before and after cleaning. ENVIRON understands that the District will clean several low-occupancy rooms in Building H before these areas are routinely accessed.³

Further information on the above-presented results is provided in the remainder of this memorandum.

¹ Data are undergoing Level III/IV third party data validation, as described in the USEPA Contract Laboratory Program National Functional Guidelines (USEPA 2008).

² 2014. *Site-Specific PCB-Related Building Materials Management, Characterization and Remediation Plan for the Library and Building E Rooms 1, 5, and 8 at Malibu High School*. Prepared for SMMUSD by ENVIRON. July 3. [Accessed here](#).

³ The low occupancy rooms that will be cleaned by the District include the electric room next to kitchen, chair storage room, and the mechanical, electrical, and switchboard rooms.

Additional Information on Preliminary Findings

• BMPs – Annual Cleaning for Building H (Cafeteria/Auditorium)

- Annual HVAC cleaning has been completed by the District's contractor.
- Annual BMP cleaning of all regularly occupied rooms has been completed by District staff.³

BMPs – Air and Wipe Sampling MHS Pilot Study on BMPs for Building H (Cafeteria/Auditorium)

- Preliminary review and analysis of all air sample results¹ collected prior to and after BMP cleaning (with a greater number of post-BMP samples taken per the sampling protocol as indicated in the table below) indicates that **all** airborne levels of PCBs in the sampled rooms are not detected and are therefore below USEPA's recommended health-based benchmark of 200 ng/m³.

Preliminary ¹ Air Sampling Results To Date					
Building	BMP Cleaning	Number of Indoor Samples	Not Detected ⁴	Detected and Below 200 ng/m ³	Above 200 ng/m ³
Building H (Cafeteria/Auditorium)	Pre-BMP	3	3	None	None
	Post-BMP	5 (includes 1 duplicate) ⁵	5	None	None

- Preliminary review and analysis of all BMP surface wipe sample results¹ in Building H indicates that PCBs were not detected in **all** pre-BMP samples and approximately 84% of post-BMP samples (note that a greater number of post-BMP samples were taken as indicated in the table below). **All** surface wipe sample results before and after BMP cleaning were below USEPA's recommended threshold.
- No post-cleaning results required further actions in accordance with Appendix D of the July 3rd MHS Specific Plan.

⁴ The method reporting limit for air samples in Building H ranged from 69 ng/m³ to 72 ng/m³.

⁵ Duplicate samples are collected adjacent to the original sample. Replicate samples are collected in the same location as the original sample, after the original sample is collected and are applicable to wipe samples only.

Preliminary¹ Surface Wipe Sampling Results To Date					
Building	BMP Cleaning	Number of Samples	Not Detected⁶	Detected and Below 1 µg/100 cm²	Above 1 µg/100 cm²
Building H (Cafeteria/ Auditorium)	Pre-BMP	6	6	None	None
	Post-BMP	19 (includes 1 replicate) ⁵	16	3 (max: 0.56 µg/100 cm ²)	None

⁶ The method reporting limit for surface wipe samples is 0.10 µg/100cm².