

BOARD OF EDUCATION
GENERAL BUSINESS MEETING
JANUARY 25, 2024
TESTIMONY: SUSAN A. PCOLA-DAVIS

AGENDA

Report of the Superintendent COMMENTS

- Maui wildfire impacts; and School and employee bright spots

King Kamehameha III Elementary

- Intent to enrollment survey
- Participation Letter and email sent to families
- Where are you going to send the letter if their home burned down? Do you have addresses? Does everyone have computers, they are probably gone as well as phones?
- Why doesn't someone from the DOE fly over there to get this information and talk with the families and see how they are doing.

- ★ **Recommend participating in the County's weekly town halls. Set up a computer for them to take the survey.**

Ford And Associates: Environmental consulting Dust Wipe Sampling Report

NOTE:

Table 1: Analytical Results of Lead and Arsenic Dust Wipe Sampling

Pg 2. lacks the current EPA/Housing and Urban Development (HUD) clearance standard for arsenic dust on building surfaces for floors and windowsills. It only shows the lead. (see attached sampling report with notations)

Pg 3. lacks **arsenic** in the "Results presented..." sentence. It only contains lead. (see attached sampling report with notations)

1. Who collected the samples?
2. Are the samples being collected from the same areas biweekly?
3. Who selects the sample area?
4. What about Lahainaluna High School?
5. You reported that these wipe tests would be collected bi-weekly. Why is January 8, 2024 the only report we have received?
6. These tests were already completed but not shared.
 - **October 23**
 - **November 6**
 - **November 20**
 - **December 4**
 - **December 18**

I. Committee Reports

- A. Finance and Infrastructure Committee report on January 11, 2024, meeting.

Thank you for your honest and open discussion. Addressing problems quickly is imperative. This requires trust to speak up and address an issue. Too many meetings have left issues swinging in the wind. These learning lessons can only strengthen the team. The Board and the Department must be accountable to each other. Both of them are accountable to the public.



Progress Reports: Reopening Lāhainā Schools

06-Oct-2023

Progress reports for reopening three Lāhainā schools: Lāhaināluna High, Lāhainā Intermediate and Princess Nāhi'ena'ena. Updates will be provided as pertinent information is available.

[Maui school updates](#)

[Maui school updates
archive](#)

[West Maui schools progress
updates](#)

[King Kamehameha III
Temporary Campus site
updates](#)

Wipe Tests

The Department has been working with environmental consulting company Ford & Associates to conduct bi-weekly wipe tests on floors, window sills and outside walkway surfaces of Lāhainā classrooms to detect for lead and arsenic. The lab is able to detect as low as 1 µg/sq ft of lead and arsenic.

None of the samples taken as of January 2024 have returned results above the analytical methods' detection limit. However, Hawai'i's soils do have natural background levels of arsenic so with the highly sensitive 1 µg/sq ft detection limit, there is a possibility of future tests reporting background levels.

The current EPA clearance standard for lead dust on building surfaces is 10 micrograms per square foot (µg/ft²) for floors and 100 µg/ft² for window sills.


[Lāhainā Wipe Test, Jan. 8](#) (most recent)

Campus Status

As the Department works with other agencies to safely reopen campuses, educational options are available for students and families: <https://bit.ly/westmaulenroll>. Lāhainā employees will be temporarily assigned to other locations on September 14 or earlier, based on their preferences and schools' needs. The target date for reopening school campuses to students is Monday, October 16, 2023.

Last updated: December 11

Legend ● Completed ● In progress ● Pending partner agency action

	Criteria	Status
 Air Quality	Ensure safe air quality by installing sensors to meet Hawai'i State Department of Health (DOH) standards.	<p>12-10-2023: DOH News Release - Lāhainā ash characterization testing show elevated levels of toxic substances. No change in guidelines.</p> <p>09-26-2023: DOH evaluated the results and indicated that the school campuses are safe.</p>

MISSING
WIPE TEST
SAMPLING REPORTS

OCT 23 —

NOV 6 —

NOV 20 —

DEC 4 —

DEC 18 —

JAN 8 ✓

Table 1
Analytical Results of Lead and Arsenic Dust Wipe Sampling
at
Princess Nahienaena Elementary School, Lahaina Intermediate School, and Kamehameha III Elementary School
Lahaina, Maui, Hawaii

Project No. 21-1859 Task 38 Phase 7
Sample Collection Date: January 8, 2024

Missing: Lahaina Luma H.S. why?

Sampling Location	Sample Identification Number	Approximate Sampling Area in ft ²	Type of Substrate	Condition	Results in Arsenic µg/ft ²	Results in Lead µg/ft ²
Princess Nahienaena Elementary School						
Building B, 2 nd floor, Room B-203, interior floor	PNES-W60	4	VCT	Visibly clean	<1.0	<1.0
Building B, 2 nd floor, Room B-203, interior window-sills	PNES-W61	2.6	Wood	Visibly clean	<1.5	<1.5
Building P-3, interior floor	PNES-W62	4	VCT	Visibly clean	<1.0	<1.0
Building P-3, interior window-sills	PNES-W63	1.33	Wood	Visibly clean	<3.0	<3.0
Building F, Room F-114, interior floor	PNES-W64	4	VCT	Visibly clean	<1.0	<1.0
Building F, Room F-114, interior window-sill	PNES-W65	1.82	Wood	Visibly clean	<2.2	<2.2
Building F, exterior lanai, outside Room F-114, floor	PNES-W66	4	Concrete	Visibly clean	<1.0	<1.0
Lahaina Intermediate School						
Building P-2B, interior floor	LIS-W60	4	Concrete	Visibly clean	<1.0	<1.0
Building P-2B, interior window-sills	LIS-W61	1.1	Metal	Visibly clean	<3.6	<3.6

Add clearance standards for lead and arsenic in this table

Table 1 (continued)

Sampling Location	Sample Identification Number	Approximate Sampling Area in ft ²	Type of Substrate	Condition	Results in Arsenic $\mu\text{g}/\text{ft}^2$	Results in Lead $\mu\text{g}/\text{ft}^2$
Lahaina Intermediate School (continued)						
Building G, Dining room, interior floor	LIS-W62	4	VCT	Visibly clean	<1.0	<1.0
Building G, Dining room, interior window-sills	LIS-W63	1.93	Wood	Visibly clean	<2.1	<2.1
Building C, 2 nd floor, Room C-5, interior floor	LIS-W64	4	VCT	Visibly clean	<1.0	<1.0
Building C, 2 nd floor, Room C-5, interior window-sills	LIS-W65	1.93	Wood	Visibly clean	<2.1	<2.1
Building C, 2 nd floor, exterior hallway floor	LIS-W66	4	Concrete	Visibly clean	<1.0	<1.0
Kamehameha III Elementary School						
Building Classroom 2, interior floor	KIIIES-W18	4	Laminate plank	Visibly clean	<1.0	<1.0
Building Classroom 6, interior floor	KIIIES-W19	4	Laminate plank	Visibly clean	<1.0	<1.0
Building Classroom 8, interior floor	KIIIES-W20	4	Laminate plank	Visibly clean	<1.0	<1.0

Notes: The current Environmental Protection Agency (EPA)/Housing and Urban Development (HUD) clearance standard for lead dust on building surfaces is 10 micrograms per square foot ($\mu\text{g}/\text{ft}^2$) for floors and 100 $\mu\text{g}/\text{ft}^2$ for window sills.

LEAD - 10 $\mu\text{g}/\text{ft}^2$ (floors) 100 $\mu\text{g}/\text{ft}^2$ (window sills)
Missing ARSENIC - _____ (floors) _____ (window sills)

Table 1 (continued)

Surface wipe samples were collected using Ghost Wipes® and standard EPA methods. Ghost Wipes® meet all ASTM E1792 specifications for sampling materials for lead dust collection and analysis.

Wipe samples were analyzed for Lead using National Institute for Occupational Safety and Health (NIOSH) Method 7082m and Arsenic using EPA Method 7000Bm.

$\mu\text{g}/\text{ft}^2$ = micrograms per square foot

Results presented as less than (<) are below the laboratory method reporting limit (RL) of 5 μg for lead.

VCT = Vinyl Composite Tile

Arsenic? acute 5 μg

↓
does this mean $\mu\text{g}/\text{ft}^2$
Lead - 5 $\mu\text{g}/\text{ft}^2$
Limit

Missing - what is the reporting limit for
arsenic?

DOT uses mg/Kg for ash samples.
why are different measures being used?



DEPARTMENT OF HEALTH
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FOR IMMEDIATE RELEASE
December 10, 2023

23-158

Lahaina Ash Characterization Testing Show Elevated Levels of Toxic Substances

HONOLULU – The Hawai'i Department of Health (DOH) released data showing elevated levels of arsenic, lead, antimony, cobalt, and copper in wildfire ash collected in Lahaina.

The ash samples were collected on November 7-8, 2023 from 100 properties in Lahaina, which had been constructed from the 1900s to the 2000s.

Parameter	Unit	Lab Report #1	Lab Report #2	Lab Report #3	Mean Lab Reports	Soil Environmental Action Level
Arsenic	mg/kg	297	269	275	280	23
Lead	mg/kg	383	416	431	410	200
Antimony	mg/kg	26	24	26	25	6.3
Cobalt	mg/kg	27	23	26	25	4.7
Copper	mg/kg	1,400	1,970	1,630	1,667	630

DOH and its partners have consistently communicated that the wildfire ash and dust are toxic and should be avoided. The Lahaina data validates that the primary contaminant of concern is arsenic, a heavy metal that adheres to wildfire dust and ash. This finding reinforces the need to diligently follow recommendations to reduce potential exposure.

DOH USES DIFFERENT UNITS
mg/kg