

January 24, 2025

Mr. Filmon Tesfaslasie Site Assessment Project Manager Office of Environmental Health and Safety Los Angeles Unified School District 333 South Beaudry Avenue, 21st Floor Los Angeles, CA 90017

sent via email to <u>cp-f.tesfaslasie@lausd.net</u>

Subject: Site Inspection Report for Canyon Elementary School, 421 Entrada Drive, Santa Monica, California

Dear Mr. Tesfaslasie:

Terraphase Engineering Inc. (Terraphase) has prepared this letter report on behalf of the Los Angeles Unified School District (LAUSD) Office of Environmental Health and Safety (OEHS) to describe the inspection activities performed by Terraphase at Canyon Elementary School located at 421 Entrada Drive, Santa Monica, California, in the vicinity of the Palisades Fire area (the Site; Figure 1). This report outlines the inspection activities conducted by Terraphase, discusses pertinent findings, and provides further recommendations for additional sampling and assessment.

Site Inspections

Terraphase was retained by LAUSD OEHS to conduct visual and olfactory inspections and document conditions of the interior spaces of campus buildings located at the Site to assess whether visible suspect ash and fire-related debris from the nearby Palisades Fire remain after an initial cleaning effort was conducted by personnel from LAUSD's Facility Service Department of Maintenance and Operations, overseen by the plant manager, and provide recommendations for further sampling and assessment as needed.

On January 18, 2025, Mr. Owen Cheu of Terraphase, conducted an initial inspection at the Site. On January 23, 2025, Mr. Jon Marshak of Terraphase conducted a follow up inspection of the Site buildings.

Terraphase staff were escorted by LAUSD personnel who provided access to classrooms, bathrooms, offices, and other inhabited structures at the Site. Terraphase staff made note of visible suspect ash or fire-related debris as well as smoke odor in the areas that were inspected. Inspection findings are provided in the following section.

Inspection Findings

The following observations were noted during the inspections conducted at the Site. Figures of the Site plan is shown on Figures 2. Field notes with photographic logs from the inspections are provided in Attachment A.

During the inspection on January 18, 2025, minor visible suspect ash was observed in Room 10 of Building F. Terraphase staff notified LAUSD personnel, who took corrective action to remove the visible suspect ash. Smoke odor was noted upon entering all rooms in Buildings A, B, C, D, and Room 21 in Building F.

During the inspection on January 23, 2025, minor visible suspect ash was observed on the exterior windowsill along the west side of Rooms 1 and 2 of Building E, comingled with dirt underneath the stairway on the east side of Building AA-4030, on a shelf inside of and in outdoor planters outside of Room K2 of Building A. Terraphase staff notified LAUSD personnel, who took corrective action to remove the visible suspect ash. Smoke odor was not observed during the follow-up inspection.

Recommendations

Based on the findings from the inspections conducted at the Site January 18 and 23, 2025, Ibrahim Sobeih a Certified Industrial Hygienist (Board for Global EHS Credentialing CIH Cert. No. 5628CP) of Titan Environmental Solutions, provided the following recommendations.

- Utilize High-Efficiency Particulate Air (HEPA)-equipped air filtration and deodorizing units in areas where smoke odor was noted including all rooms in Buildings A, B, C, D, and Room 21 of Building F.
- Perform general cleaning of areas where ash was observed.

Conclusions

Based on the observations made on January 18 and January 23, 2024, adequate cleaning was performed in areas where ash was observed, and filtration and deodorizers were utilized. No further action is recommended at the Site.

Closing

Terraphase is grateful for the opportunity to offer our services on this important project. If you have any questions or comments regarding this submittal, please contact Darren Croteau at (949) 377-2227 x 76.

Sincerely,

for Terraphase Engineering Inc. and Titan Environmental Services Inc.



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Darren Croteau, PG Principal Geologist Terraphase Engineering Inc.

Ibrahim M. Sobeih, CIH Director of Industrial Hygiene & Safety Titan Environmental Services, Inc.

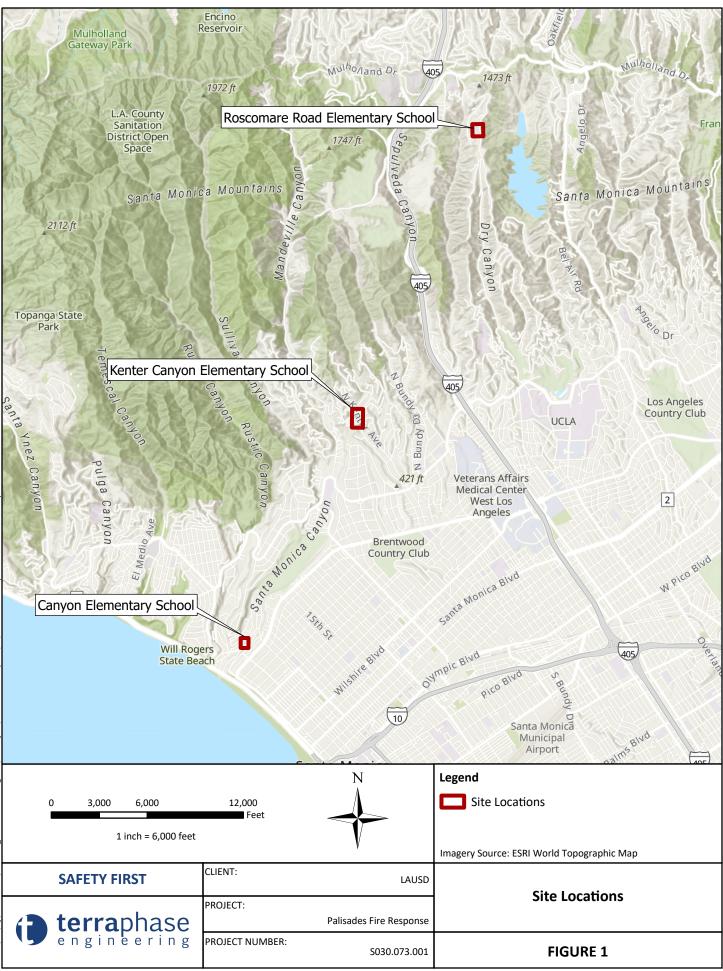
Attachments (3):

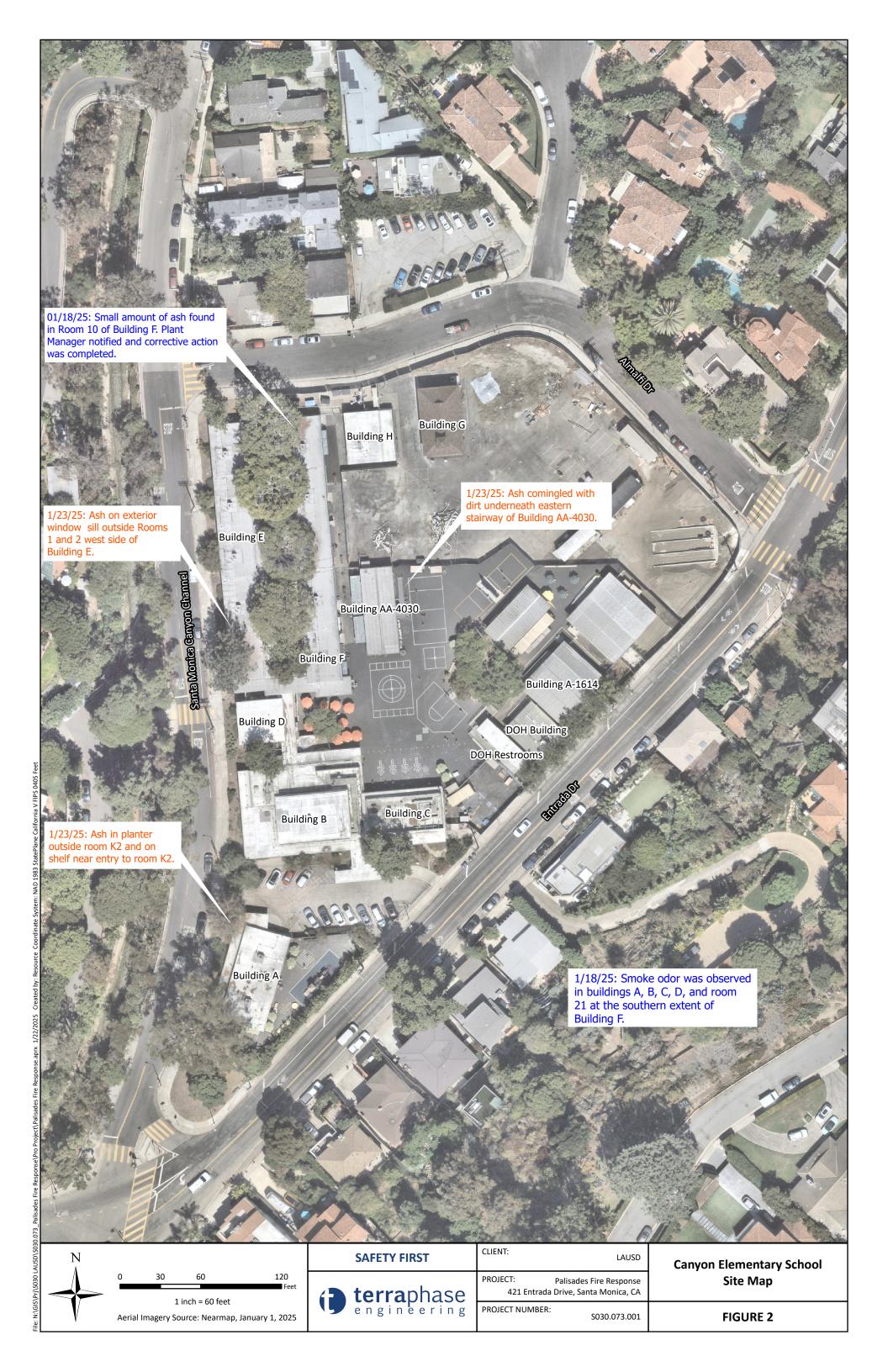
- Figure 1 Site Location
- Figure 2 Canyon Elementary School Site Map
- Attachment A Field Notes and Photographic Log

Figures

- 1 Site Location
- 2 Canyon Elementary School Site Map







Attachment A

Field Notes and Photographic Log





By: Owen Cheu

Date	01/18/2025	Contractor	LAUSD
Staff On-Site	Owen Cheu	Crew	Lynda, Corey, Tamisha
Staff From Time	07:35	From Time	07:35
Staff To Time	12:22	To Time	12:22
Weather	Partly Cloudy Partly Sunny Cool	Tailgate Meeting?	NA
Equipment	NA	Remarks	NA

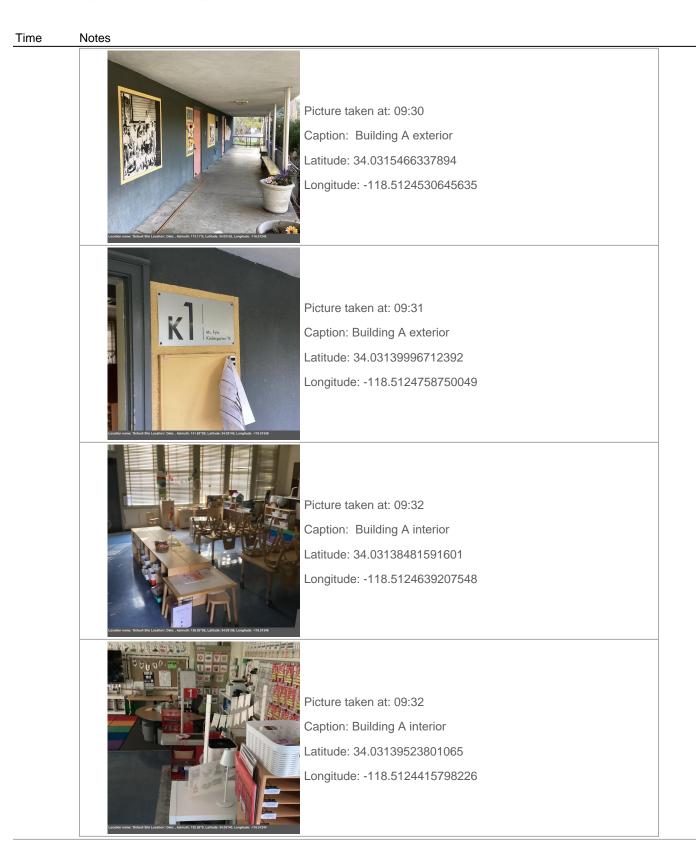
Work Summary

Assessing dust cleanup effort and directing corrective action.

Time	Notes
07:40	Met with Lynda and Corey, discussed scope of work and awaiting police escort to Canyon Charter ES.
07:55	Will likely need to assess every classroom and potentially rooftops.
08:06	Police escort will arrive between 830 and 900 due to a miscommunication. Awaiting police escort.
09:25	Arrived at Canyon Charter with police escort. Awaiting police management of involved parties. Image: Construction of the policy of th
	Picture taken at: 09:29Caption:Latitude: 34.03167167819215Longitude: -118.5123586597146

09:29 Starting at Building A at southern end of school.









Time	Notes
	Picture taken at: 09:33 Caption: Building A restroom Latitude: 34.03143014970868 Longitude: -118.512416889997
	Picture taken at: 09:33 Caption: Building A restroom Latitude: 34.03143554005902 Longitude: -118.5124149446796
	Finite The Locate For Land Barry Locate Here Here
	Picture taken at: 09:33 Caption: Building A interior Latitude: 34.03143779343374 Longitude: -118.5124059224046



Time	Notes
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Picture taken at: 09:33 Caption: Building A interior Latitude: 34.03143049964354 Longitude: -118.5124102436009

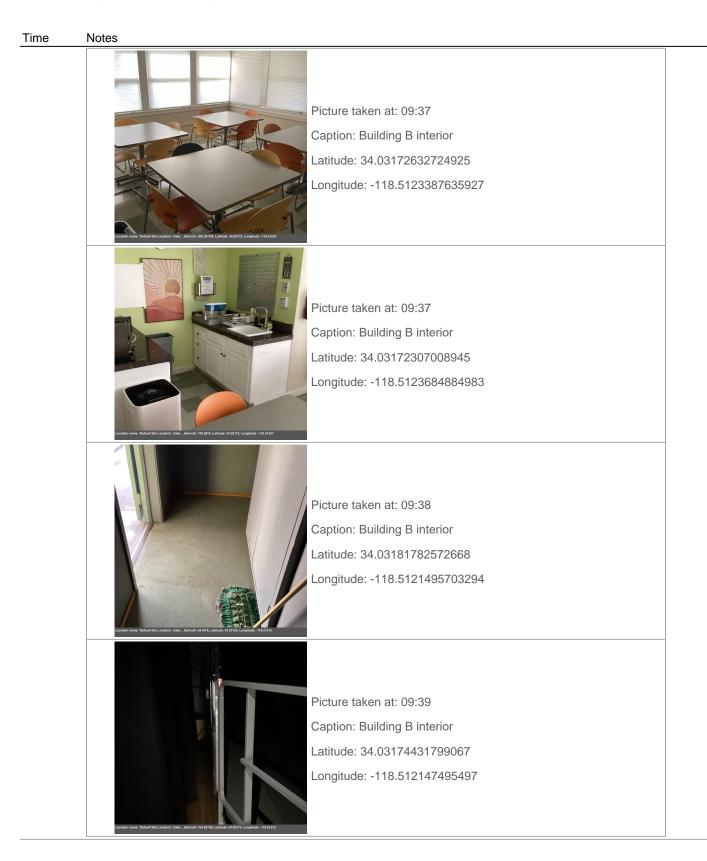
09:35

09:36

Externance Description of the	Picture taken at: 09:36 Caption: Building B interior Latitude: 34.03174049849208 Longitude: -118.5122986968754
Lader mer: Verde Bie Locator daw. Aannee Baer Landee Juditri Laquest: H1122	Picture taken at: 09:36 Caption: Building B interior Latitude: 34.03176181366845 Longitude: -118.5122874041454
	Picture taken at: 09:37 Caption: Building B interior Latitude: 34.03172922394384 Longitude: -118.5123287922241

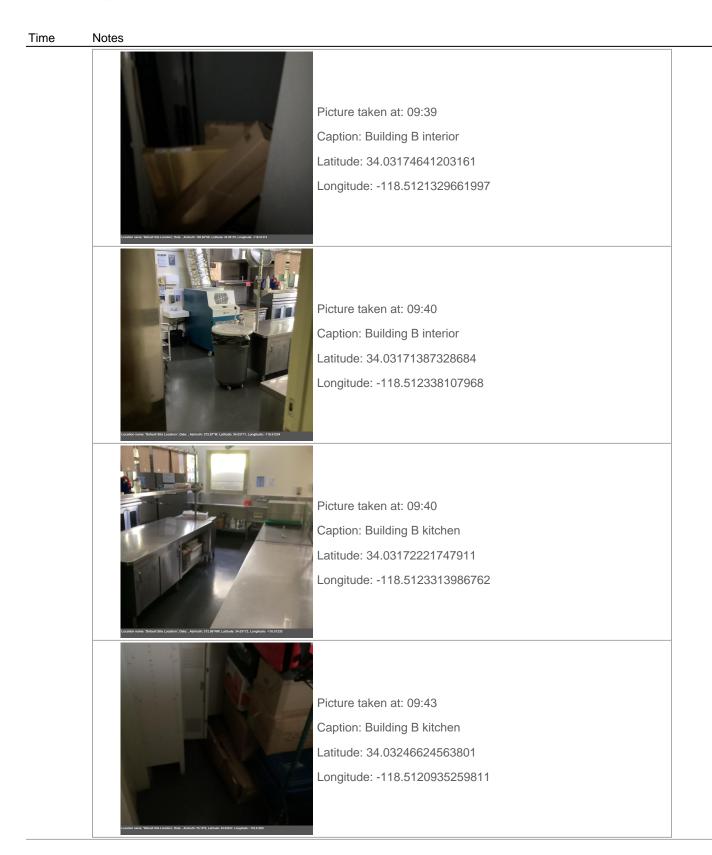
Location name: 'Default Site Location', Date: , Azimuth: 258.31"W, Latitude: 34.03178, Longit



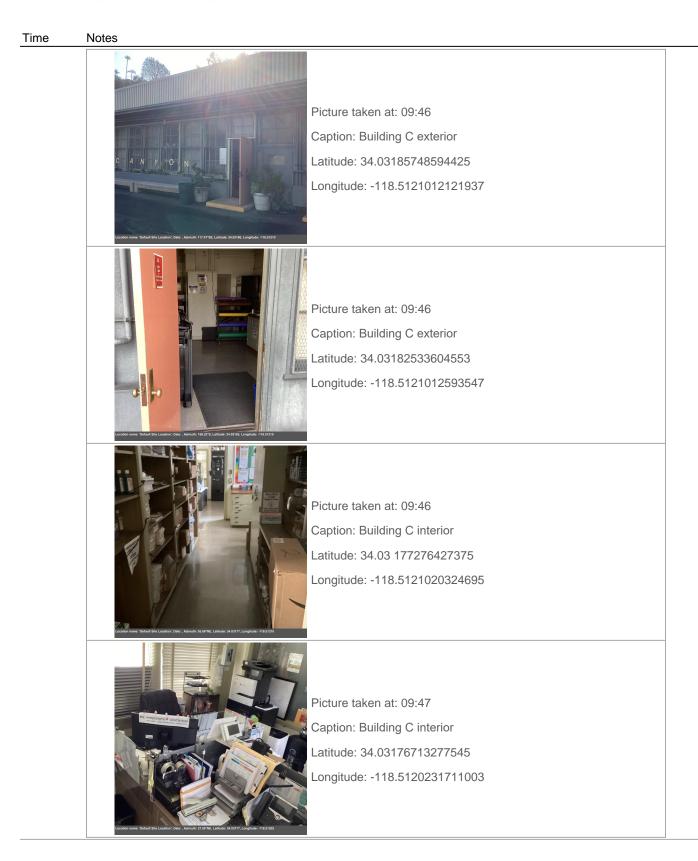
















Time	Notes	
	Picture taken at: 09:47 Caption: Building C interior Latitude: 34.03175709100049 Longitude: -118.5120415368076	
	Picture taken at: 09:47 Caption: Building C interior Latitude: 34.03177186730134 Longitude: -118.511959487265	
	Picture taken at: 09:48 Caption: Building C interior Latitude: 34.03174771836493 Longitude: -118.5119798459311	

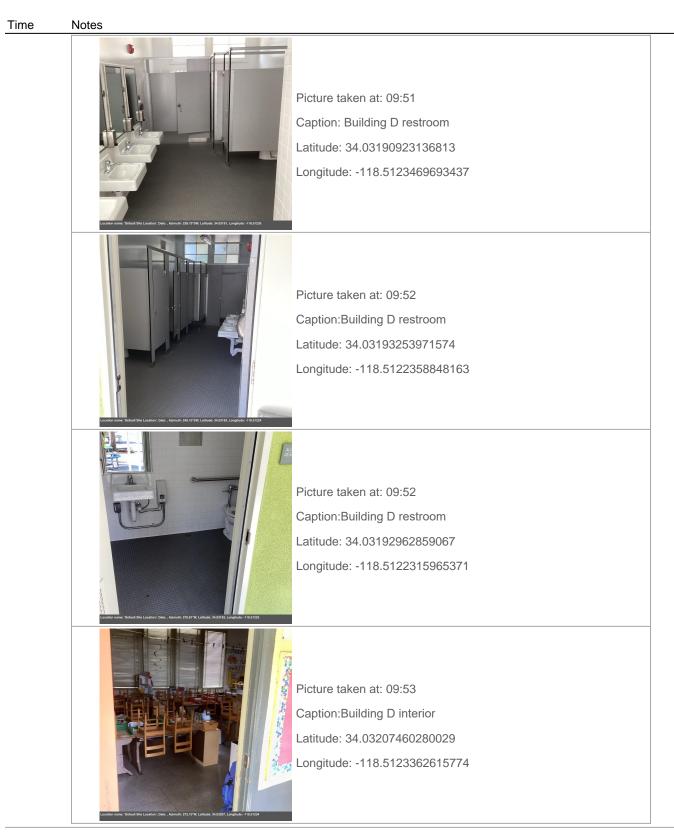
09:49

09:50



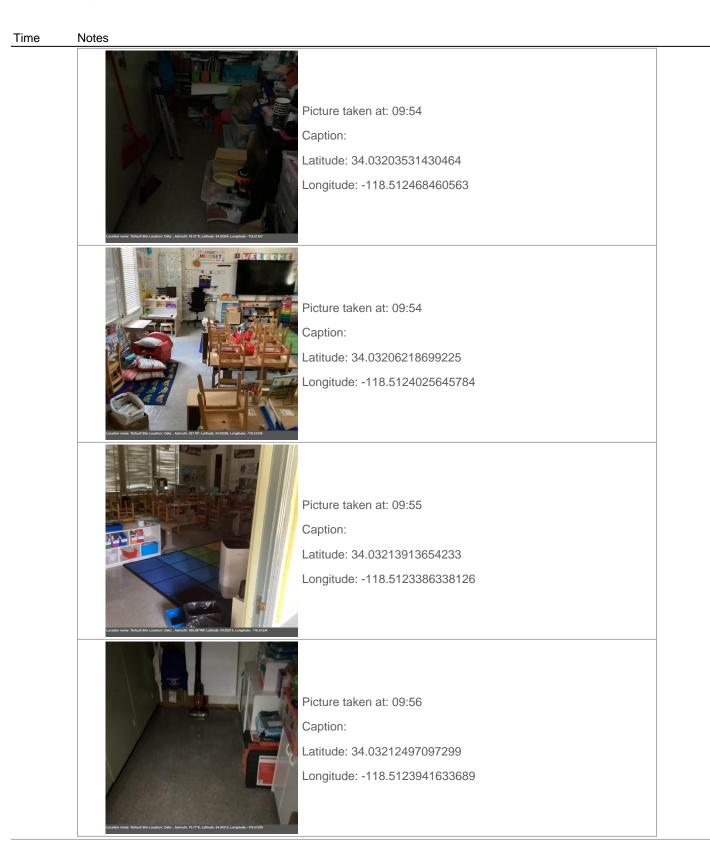
Picture taken at: 09:50 Caption: Building D exterior Latitude: 34.03189348123793 Longitude: -118.5122315096369





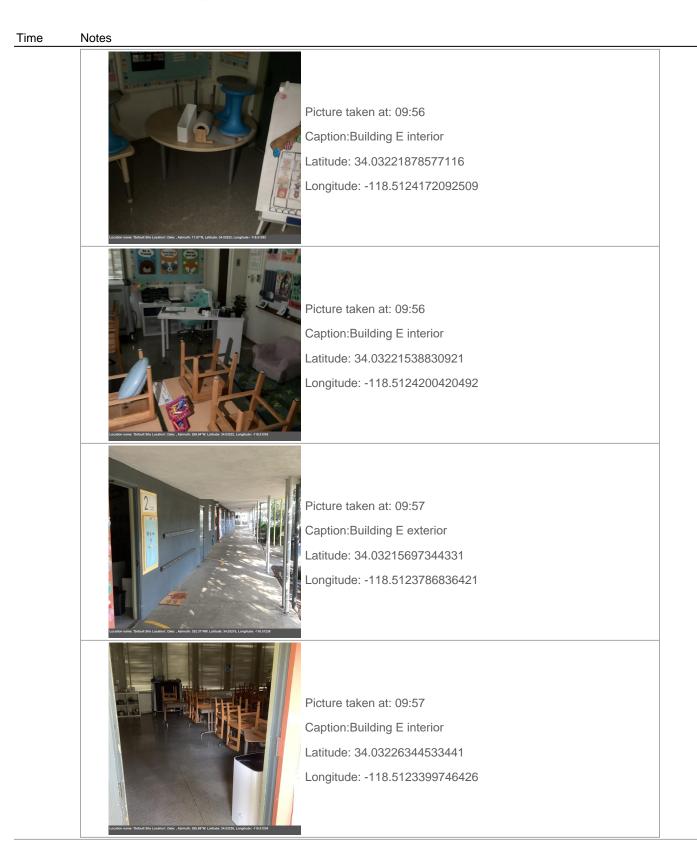
09:54





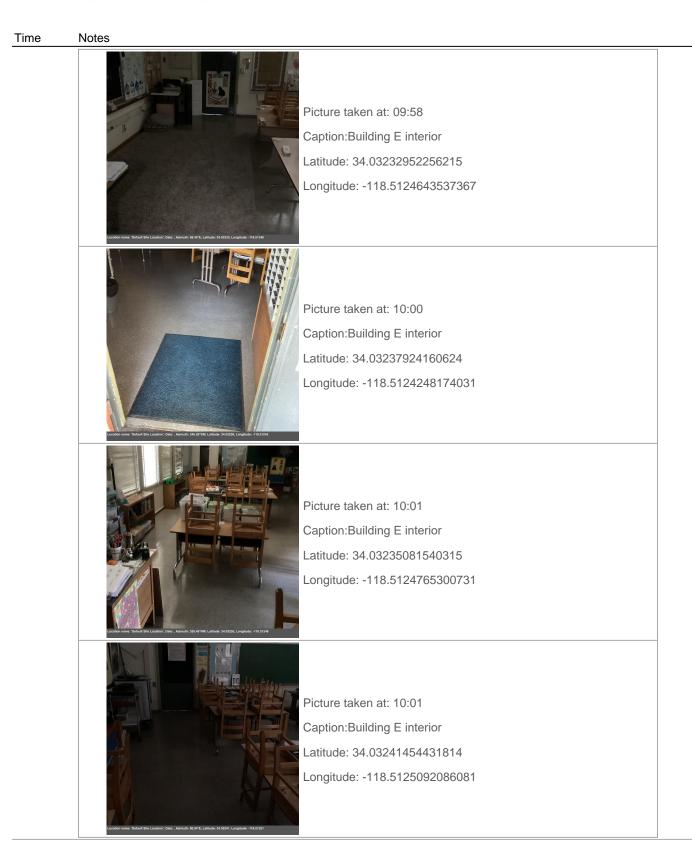






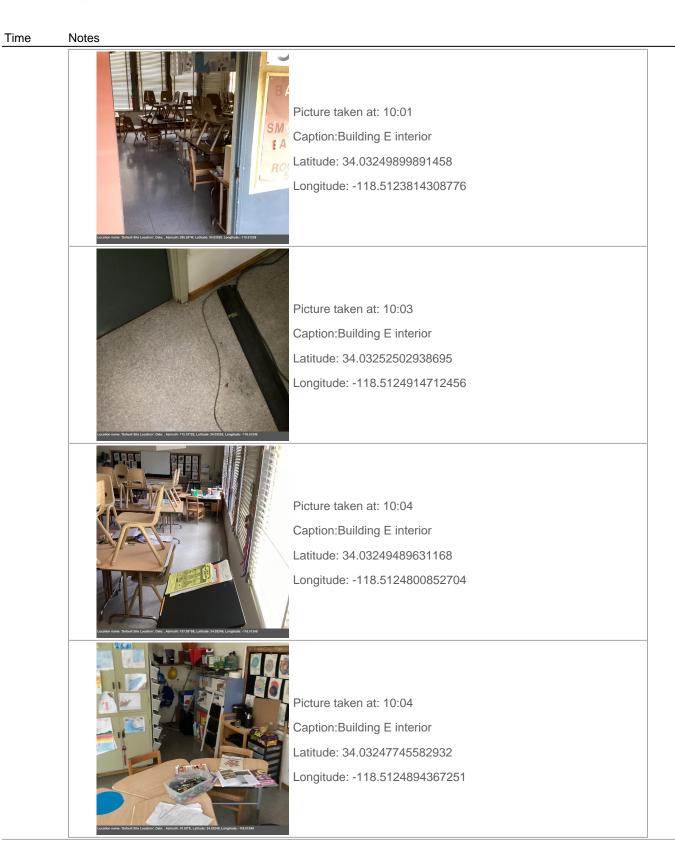
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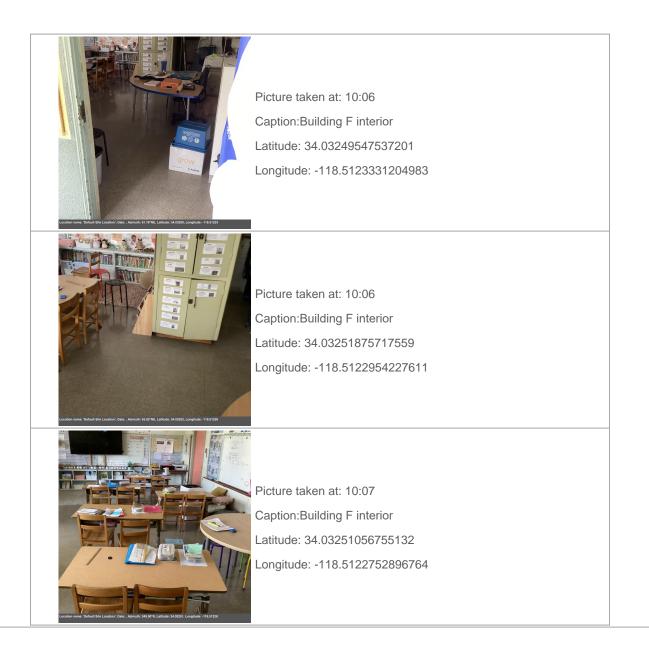


Time Notes



Picture taken at: 10:06 Caption:Building E exterior Latitude: 34.03254590252769 Longitude: -118.5123556720705

10:06

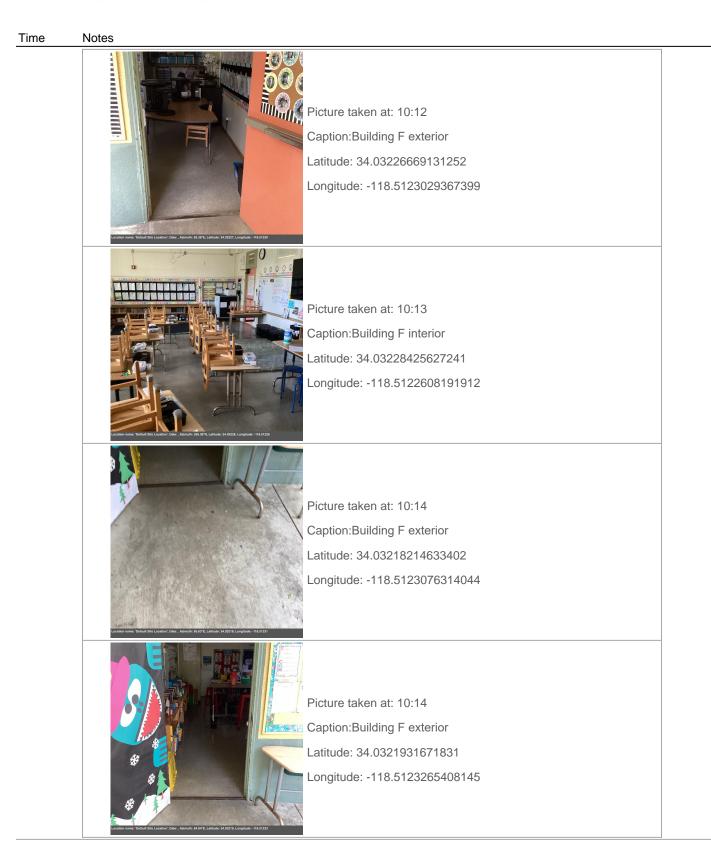




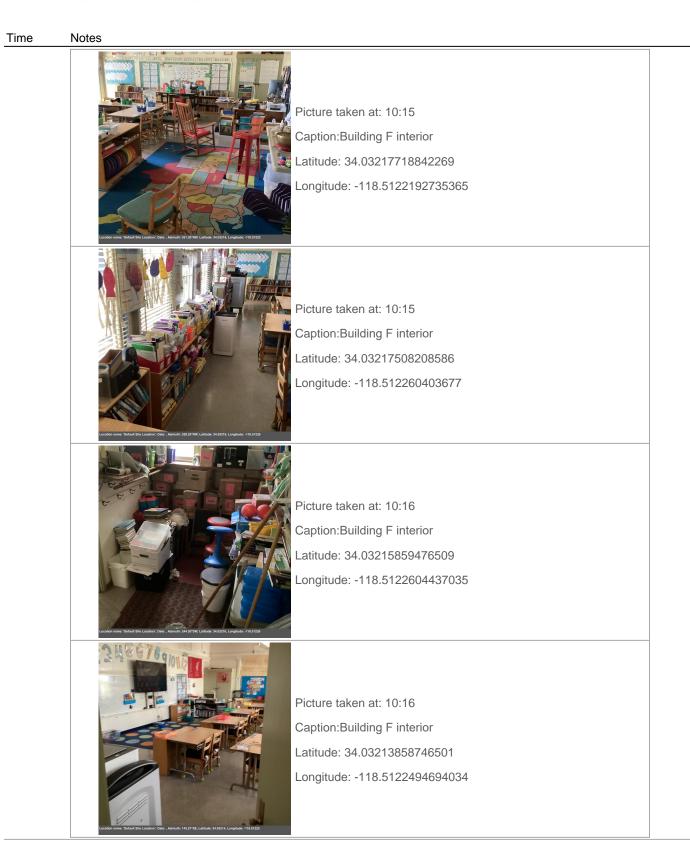
Time Notes

)	Notes		
	Externant Partel Resource Partel P	Picture taken at: 10:07 Caption:Building F interior Latitude: 34.0325493153434 Longitude: -118.5123018760395	
	Exerciser 2002 Exe	Picture taken at: 10:09 Caption:Ash present in Room 10 building F Latitude: 34.03251774822834 Longitude: -118.5122917913549	
		Picture taken at: 10:11 Caption:Building F interior Latitude: 34.03239749405564 Longitude: -118.5123040858636	
		Picture taken at: 10:11 Caption:Building F interior Latitude: 34.03242135210971 Longitude: -118.5122948595271	



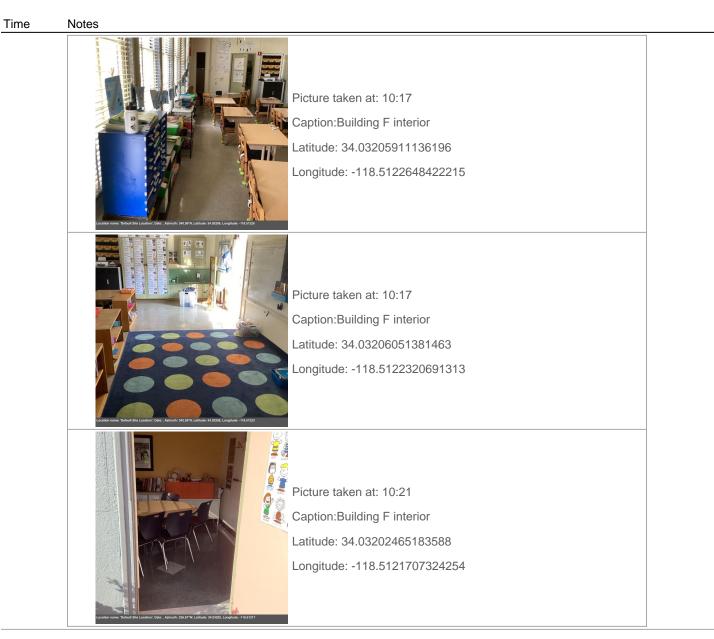










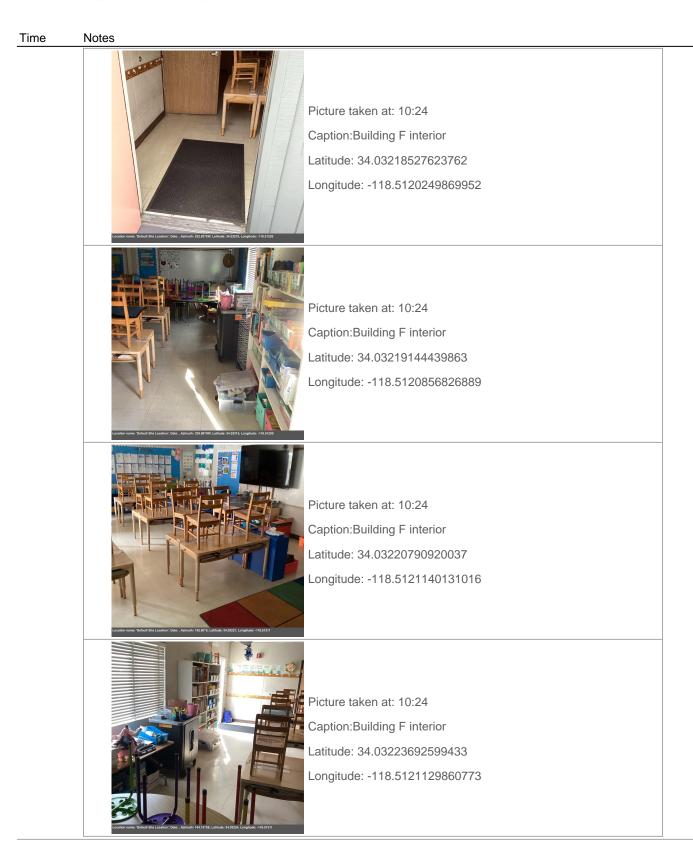


10:23 Moved to Building AA-4030.



Picture taken at: 10:23 Caption:Building F interior Latitude: 34.03208285978619 Longitude: -118.5120027572246





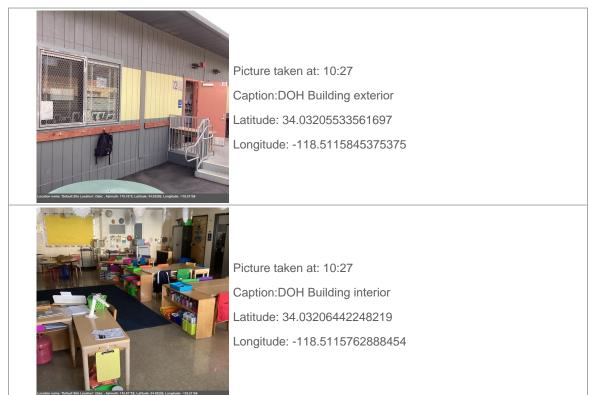




Time
Notes

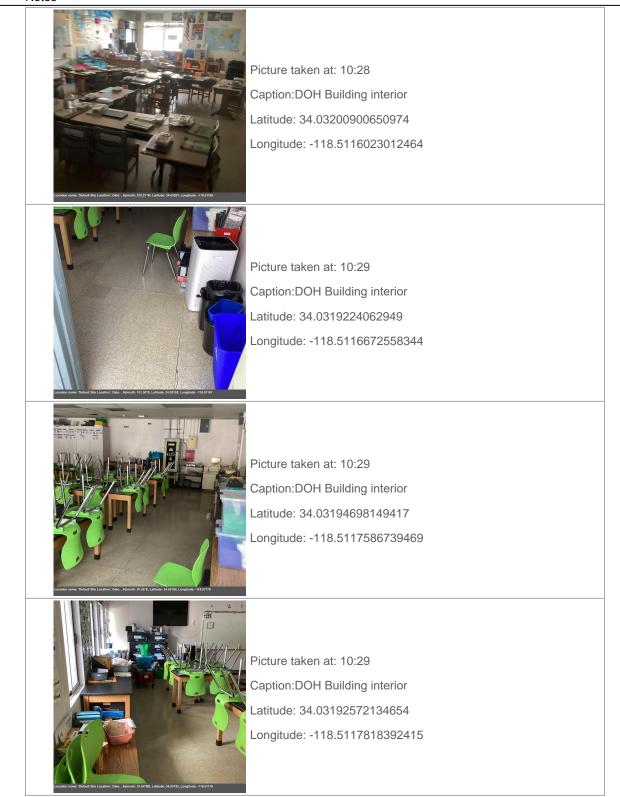
Image: Im

10:27 No ash or odor observed in the DOH building.





Time Notes



10:31



Notes

Time

Daily Field Log Site: LAUSD Palisades Fire Response

Picture taken at: 10:32 Caption:Building A-1614 exterior Latitude: 34.03223753045707 Longitude: -118.5116853484484 Picture taken at: 10:32 Caption:Building A-1614 interior Latitude: 34.03219395519956 Longitude: -118.5116723370277 Picture taken at: 10:33 Caption:Building A-1614 interior Latitude: 34.03209268702503 Longitude: -118.5113297840078 Picture taken at: 10:33 Caption:Building A-1614 interior Latitude: 34.03210480397837 Longitude: -118.5113134030273





Time	Notes
	Picture taken at: 10:34 Caption:Building A-1614 exterior Latitude: 34.03217958398908 Longitude: -118.5116682843416
	Picture taken at: 10:34 Caption:Building A-1614 interior Latitude: 34.0322117155308 Longitude: -118.5116888573683
	Finite term Finite term Finite term Finite term
	Picture taken at: 10:35 Caption:Building A-1614 interior Latitude: 34.03218038412356 Longitude: -118.5117546348126



Time Notes



10:36

Cleared the restroom.





By: Jonathan Marshak

Date	01/23/2025	Contractor	plant Manager LAUSD O&M
Staff On-Site	Jonathan Marshak	Crew	Cesar (Plant Manager), Corey and Lynda (LAUSD O&M)
Staff From Time	10:00	From Time	10:00
Staff To Time	11:50	To Time	11:47
Weather	Clear Cool	Tailgate Meeting?	NO
Equipment	None.	Remarks	

Work Summary

Re-inspecting all rooms and buildings for fire debris and smoke odor.

Time	Notes
10:00	Arrived on site.
	Picture taken at: 11:36 Caption: Building A interior. Latitude: 34.03137839325236 Longitude: -118.5123878811617

10:05

Inspected building C offices.



Picture taken at: 10:06 Caption: Building B interior. Latitude: 34.03179315144857 Longitude: -118.5119917625773



Project Number: S030.073.001

Time	Notes
	Ficture taken at: 10:06 Caption: Building B interior. Latitude: 34.03176837232327 Longitude: -118.5121137970819
	Picture taken at: 10:06 Caption: Building B interior. Latitude: 34.03176475558694 Longitude: -118.5121200057434
	Picture taken at: 10:07 Caption: Building B interior. Latitude: 34.03171408563446 Longitude: -118.5120210030089
	Picture taken at: 10:07 Caption: Building B interior. Latitude: 34.03174146365472 Longitude: -118.5120130572957





Project Number: S030.073.001

Notes Time Picture taken at: 10:07 Caption: Building B interior. Latitude: 34.03174606622955 Longitude: -118.5120229368177 Picture taken at: 10:07 Caption: Building B interior. Latitude: 34.03175472506791 Longitude: -118.5119810439318 Picture taken at: 10:08 Caption: Building B interior. Latitude: 34.03178247363534 Longitude: -118.5119887290726 Picture taken at: 10:08 Caption: Building B interior. Latitude: 34.03177818456901 Longitude: -118.511967307044



Project Number: S030.073.001

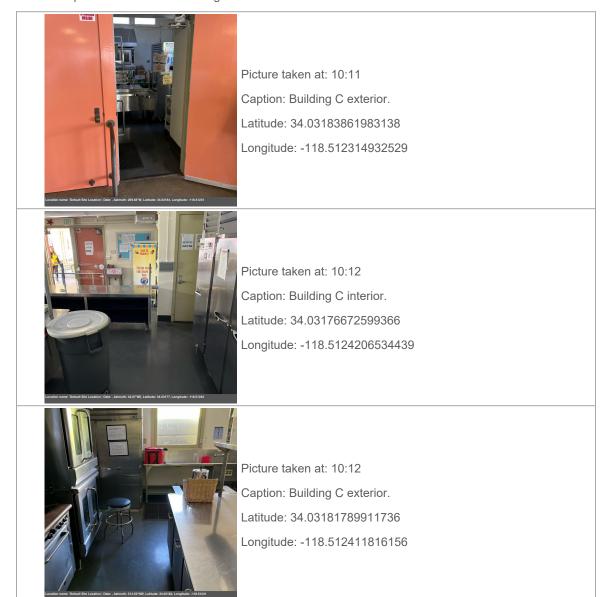
Time Notes



10:10

10:10

Started inspection in cafeteria Building B.

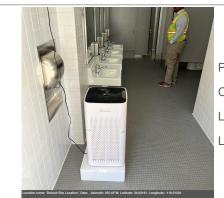






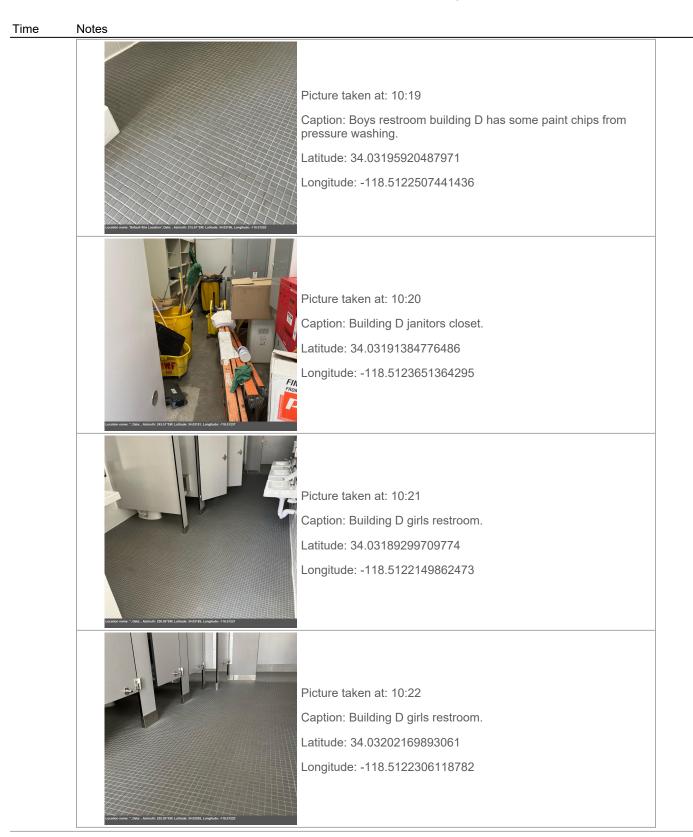
10:15

10:17 Move to building D.



Picture taken at: 10:18 Caption: Building D boys restroom, air purifier running. Latitude: 34.03190787110071 Longitude: -118.5122383196186





10:23

10:24 Back to auditorium in Building B.





Notes Time Picture taken at: 10:27 Caption: Building B interior. Latitude: 34.03161467987488 Longitude: -118.5121741053821 Picture taken at: 10:27 Caption: Building B interior. Latitude: 34.03173596434505 Longitude: -118.5123059153355 Picture taken at: 10:28 Caption: Building B interior. Latitude: 34.03166023626773 Longitude: -118.512325584945

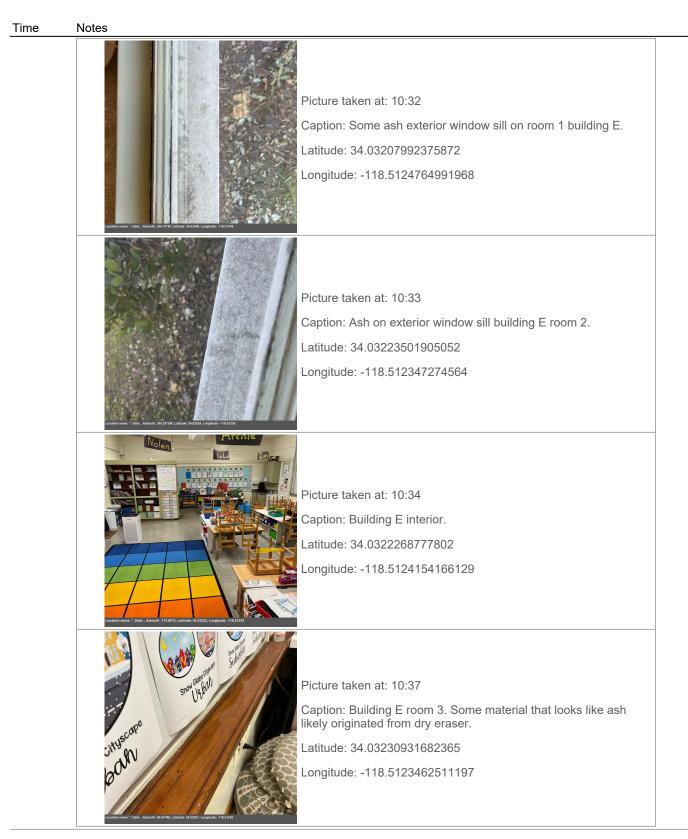
10:29

10:29 Move to building E.

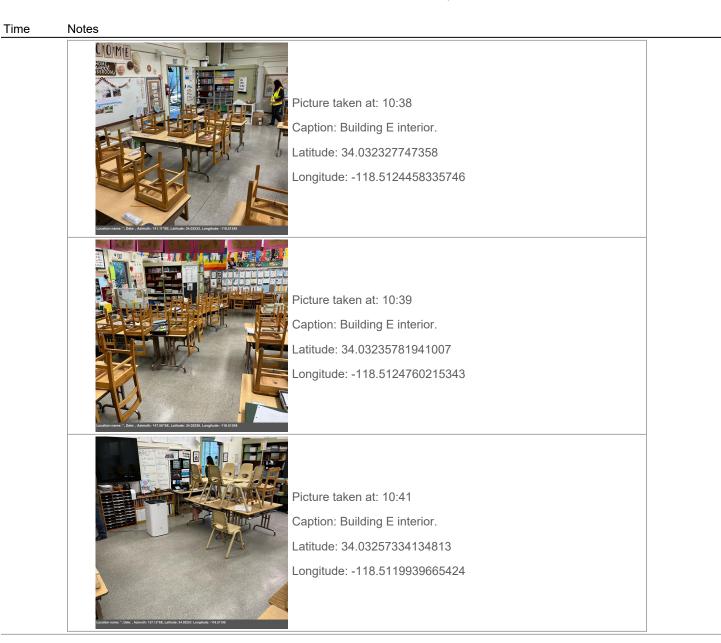




Project Number: S030.073.001







10:42

10:42 Move to building F.



Picture taken at: 10:43 Caption: Building F exterior window sill room 10. Latitude: 34.03251984311296 Longitude: -118.5123760712341



Project Number: S030.073.001

Time	Notes
	Picture taken at: 10:44 Caption: Building F interior. Latitude: 34.03257356959771 Longitude: -118.5122779571624
	Ficture taken at: 10:46 Caption: Building F interior. Latitude: 34.03236500542485 Longitude: -118.5122772876415
	Picture taken at: 10:49 Caption: Building F interior. Latitude: 34.03230015191635 Longitude: -118.512271670735
	Picture taken at: 10:52 Caption: Building F interior. Latitude: 34.03224202341775 Longitude: -118.5122174398215





Time Notes



10:55

10:57

oved to building AA-4030.	
	Picture taken at: 10:59 Caption: Building AA-4030 interior. Some dust from AC vent on bookshelf. Latitude: 34.03225189500225 Longitude: -118.5121333523663
	Picture taken at: 11:00 Caption: Building AA-4030 interior. Some dust from AC vent on bookshelf. Latitude: 34.03223830412821 Longitude: -118.5121397409885
	Picture taken at: 11:00 Caption: Building AA-4030 interior. Latitude: 34.03222238681653 Longitude: -118.5121271844414



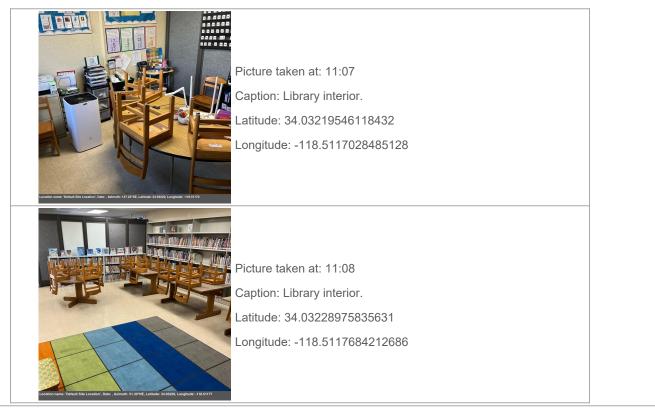
Time Notes



Picture taken at: 11:03 Caption: Ash potentially comingled with dirt beneath ramp of AA-4030. Latitude: 34.0321851102953 Longitude: -118.5120341275991

11:03

11:06 Moved to library building.

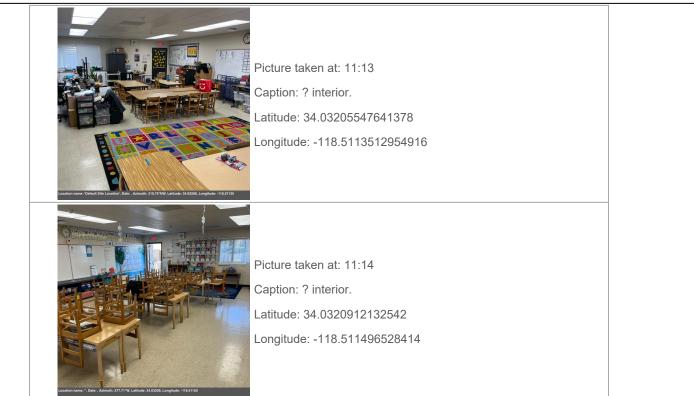


11:10

11:11 Moved to building number unknown.



Time Notes



11:15

11:17 Inspection in. A-1614.

Exerce the definition of th	Picture taken at: 11:17 Caption: Building A-1614 interior. Latitude: 34.03210981538312 Longitude: -118.5116823097602
	Picture taken at: 11:19 Caption: Building A-1614 interior. Latitude: 34.03210195120094 Longitude: -118.5117136896668



Time	Notes
11:21	
11:22	Inspecting DOH building.
	Ficture taken at: 11:23Caption: DOH building interior.Latitude: 34.03189748528797Longitude: -118.511774959153

11:24



11:26 DOH building restrooms inspected.





Time Notes



Picture taken at: 11:27 Caption: Latitude: 34.031896536494 Longitude: -118.511833617485

11:29

11:30 Moved to building A.

	Picture taken at: 11:30 Caption: Building A exterior. Ash on planters in cobwebs. Latitude: 34.03150416624342 Longitude: -118.5124937862451
	Picture taken at: 11:32 Caption: Some ash on table room K2 of building A. Latitude: 34.03150311674366 Longitude: -118.5124157556505
Letterener 2000 2000 2000	Picture taken at: 11:33 Caption: Building A interior. Latitude: 34.03137395161579 Longitude: -118.5123233870776



Time	Notes
11:41	
11:46	Headed off site.

