Sierra House Elementary School Fire Update and Reports

As you are aware, a fire broke at Sierra House Elementary School on November 11, 2018 at approximately 10:00 pm. The following is an update of the investigation of the cause of the fire, and the steps taken to ensure the safety of the affected structure and the air quality of the entire school.

Cause of the incident:
Brad Zlendick, Lake Valley Fire Marshall and Incident Commander, and Cameron Dewey, investigator for York Insurance Company, have determined that the cause of the fire was electrical overload due to “daisy chain wiring” of two power cords in the classroom.

Areas affected:
The fire erupted in a 15’x15’ reading intervention classroom space. Smoke odor affected the hallway adjacent to that space, the upper pod (2nd and 3rd grade classrooms), the main hallway, and the multi-purpose room. The lower pods and the portable classrooms were not affected by smoke odor.

Steps taken to ensure the safe re-occupation of the facility by students and staff:
Servpro, the local professional structure restoration company, analyzed the conditions of the school. The first priority was to contain the affected areas of the building. Remediation protocols to address the damaged areas, smoke odor, and soot removal were planned. It was determined that, based upon the excellent outside air quality, and available resources, that measures to be taken for the safe re-entry and re-occupation of the school within only two days, were practical and attainable.

On Monday morning, Nov. 12, Fire Marshall Zlendick released the space to Servpro who contained the affected area by setting up critical barriers to make it a negative air environment. Standard protocols for cleaning the air and restoring the structure began immediately.

Air scrubbers were installed in all affected areas throughout the school, and ran continuously for the 48 hours prior to the school-reopening. Air scrubbing involves machines that suck air through a series of hepa filters and is exhausted back into the environment, removing 99.97% of air particles. Fifteen filters were changed out at least twice each during the first 48-hours. Air scrubbers continue to run in all affected areas.

Before demolition began, samples of all materials which were to be removed from the building were tested for asbestos and other chemicals. Test results were received Monday night, Nov. 12, and revealed no asbestos or other dangerous chemicals detected. School was closed on Tuesday so that demolition could begin. Contents from the reading intervention rooms were removed to be inventoried. The bulk of the demolition process was completed by Tuesday evening, as planned. Contents that were potentially salvageable were set aside, and those that were not were placed in a dumpster.

On Wednesday, Nov. 13, prior to the start of school, the dumpster containing the burned materials was removed from the premises. A new dumpster was delivered for the sorting of other potentially restorable items. The sorting process took place on Wednesday and Thursday. Additional items were placed in the second dumpster, which was removed from the premises on Friday morning, prior to the start of the school day.

Sandblasting to remove the charred areas around the framing, inside the contained burn area, began on Saturday. Sandblasting was completed that day and was prepared for inspection by structural engineers, Gabbart & Woods (South Lake Tahoe). The inspection took place yesterday, Nov. 19, and the report will be available soon. The area remains blocked off and contained.

Additional cleaning efforts which took place on Monday and Tuesday, immediately after the incident, included carpet cleaning, vacuuming, wiping down of all horizontal surfaces in all bathrooms and classrooms in the main building, the multi-purpose room, and all vent openings. Servpro’s deodorizing protocol will continue throughout this week, and includes the cleaning of attic spaces, vacuuming, and a second carpet cleaning in
the upper pod, prior to school opening on Monday. All protocols will be completed before Monday, November 26. Air scrubbers will be left in the school to continue air quality efforts.

Environmental Testing and Consulting (Reno, NV) took air samples to test for particles and asbestos on Friday, Nov. 16. The PEL (Permissible Exposure Limits) test results showed no particles detected. Results are posted on the District website under District - Public Notices.

As of yesterday (Monday, Nov. 19), a walk through by various LTUSD and Servpro staff revealed that most of the school is odor-free, but there are still some spaces with detectable residual odor. People who are more sensitive to odors may continue to smell smoke in the school for an unknown period of time.

Lake Tahoe Unified School District would like to extend its deep appreciation for the outpouring of support, advice, and assistance from the community, staff, and parents. The cooperation between first responders, the district, and the professional agencies below, has allowed us to maintain safety standards while minimally impacting the educational process. Thank you to:

Lake Valley, South Lake Tahoe, and Douglas County Fire Departments
Cal Fire
El Dorado County Sheriff / South Lake Tahoe Police / CHP
Servpro (South Lake Tahoe – 16 years’ experience in restoration)
Innovative Electric
Environmental Testing and Consulting (Reno, NV)
El Dorado Roofing
Gabhart and Woods Structural Engineers
KS Telecom (fiber-optics / communications network)
Simplex (fire alarm certification)
Environmental Health Department (kitchen inspection / cleared for operation)
Maverick (phone system)
District personnel: Electrical, plumbing, HVAC, maintenance, IT, custodial, and food services.

Going forward, the two affected reading intervention rooms will be assessed by an engineering team to plan for reconstruction. We look forward to sharing the plan for reconstruction as soon as it is available.

Thank you for your patience and courtesy as we continue to work through this restoration process.

Sincerely,

Dr. James Tarwater, Superintendent
Billy Wessell, Chief Business & Operations Officer
An inspection of your property revealed the following violations. Please note the date for correction as listed per violation. Thank you for your cooperation.

**Notes - 16 F099**

**Correct by "Date Not Specified"**

**In Compliance 11/13/2018**

**Inspector Comments**

A fire in the school building started Sunday 11/11/18. Smoke affected the entire school and school was closed today, 11/13/18 (the day after Veteran's Day). Maintenance called Environmental Management today for kitchen inspection to ensure proper sanitation before school reopens tomorrow.

Power was reported to be out for 30 minutes only on 11/11/18 due to a fire in the building (not in kitchen). No foods had to be discarded. There was a light smell of smoke in the cafeteria at time of this inspection, however in the kitchen there was no smell of smoke. Fans were blowing in the cafeteria. ServPro workers were present continuing to work on the clean up of the smell of smoke and other areas outside of the kitchen that I did not observe today.

Dishmachine sanitizer 50 ppm chlorine -- good. Refrigeration 38 degrees F -- good. Kitchen cleanliness -- good. All walls, equipment and floors had been thoroughly cleaned. There was no smell of smoke in the kitchen area today. Hot water 120 degrees F -- good.

Kitchen staff came in earlier today to clean the kitchen.

The kitchen is approved for resuming normal operations starting 11/14/2018.

**Signature**

KAREN BENDER
Environmental Health Specialist
Did you know effective January 1, 2018, AB 1219, the California Good Samaritan Food Donation Act, went into effect? The California Health and Safety Code was amended to make it easier for food facilities to donate food. Please consider donating your excess food product to a local food bank, pantry or soup kitchen. As a good faith food donor, you are protected from civil and criminal liability if the food product later causes harm to the recipient unless the injury is a direct result of your gross negligence or intentional misconduct in the preparation or handling of the donated food. See Section 1714.25 of the Civil Code and Sections 114432 to 114434, inclusive of the Health and Safety Code. For more information, please visit https://www.edcgov.us/Government/emd/environmentalhealth/Pages/food_program.aspx <https://www.edcgov.us/emd>.
ASBESTOS TEM LABORATORIES, INC.

EPA Method 600/R-93/116
Polarized Light Microscopy
Analytical Report

Report No. 138349

1350 Freeport Blvd., Unit 104
Sparks, NV 89431
(775) 359-3377
FAX (775) 359-2798

With Main Office Located At:
630 Bancroft Way, Berkeley, CA 94710
Ph. (510) 704-8930  Fax (510) 704-8929
Nov-12-18

Bob Nemitz
Environmental Testing & Consulting
14640 Toll Rd
Reno, NV 89521

RE: LABORATORY JOB # 881-09468
    Polarized light microscopy analytical results for 10 bulk sample(s).
    Job Site: 1709 Remington Trail (SLT)
    Job No.:
    Report No.: 138349

Enclosed please find the bulk material analytical results for one or more samples submitted for asbestos analysis. The analyses were performed in accordance with EPA Method 600/R-93/116 or 600/M4-82-020 for the determination of asbestos in bulk building materials by polarized light microscopy (PLM). Please note that while PLM analysis is commonly performed on non-friable and fine grained materials such as floor tiles and dust, the EPA method recognizes that PLM is subject to limitations. In these situations, accurate results may only be obtainable through the use of more sophisticated and accurate techniques such as transmission electron microscopy (TEM) or X-ray diffraction (XRD).

Prior to analysis, samples are logged-in and all data pertinent to the sample recorded. The samples are checked for damage or disruption of any chain-of-custody seals. A unique laboratory ID number is assigned to each sample. A hard copy log-in sheet containing all pertinent information concerning the sample is generated. This and all other relevant paper work are kept with the sample throughout the analytical procedures to assure proper analysis.

Each sample is opened in a class 100 HEPA negative air hood. A representative sampling of the material is selected and placed onto a glass microscope slide containing a drop of refractive index oil. The glass slide is placed under a polarizing light microscope where standard mineralogical techniques are used to analyze and quantify the various materials present, including asbestos. The data is then compiled into standard report format and subjected to a thorough quality assurance check before the information is released to the client.

Please note all samples will be held for 3 months from the date of receipt unless otherwise requested by client.

Sincerely Yours,

[Signature]
Laboratory Analyst
ASBESTOS TEM LABORATORIES, INC.

--- These results relate only to the samples tested and must not be reproduced, except in full, with the approval of the laboratory. This report must not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. ---
## POLARIZED LIGHT MICROSCOPY
### ANALYTICAL REPORT

**EPA Method 600/R-93/116 or 600/M4-82-020**

**Contact:** Bob Nemitz  
**Address:** Environmental Testing & Consulting  
14640 Toll Rd  
Reno, NV  89521

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<table>
<thead>
<tr>
<th>SAMPLE ID</th>
<th>ASBESTOS</th>
<th>OTHER DATA</th>
<th>DESCRIPTION</th>
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</table>
| 1         | None Detected | 1) 11-25% Cellulose, Fiberglass  
2) 75-89% Gyp, Calc, Other m.p. | Wall material-smooth, teamwork trail & compassion court rooms |
| 2         | None Detected | 1) 11-25% Cellulose, Fiberglass  
2) 75-89% Gyp, Calc, Other m.p. | Wall material-smooth, teamwork trail & compassion court rooms |
| 3         | None Detected | 1) 11-25% Cellulose, Fiberglass  
2) 75-89% Gyp, Calc, Other m.p. | Wall material-smooth, teamwork trail & compassion court rooms |
| 4         | None Detected | 1) 1-5% Cellulose  
2) 95-99% Bndr, Calc, Gyp, Other m.p. | Panel-mastic-white, teamwork trail & compassion court rooms |
| 5         | None Detected | 1) 90-95% Cellulose  
2) 5-10% Bndr, Other m.p. | Panel-wall, teamwork trail & compassion court rooms |
| 6         | None Detected | 1) 2-10% Cellulose, Synthetics  
2) 90-98% Bndr, Calc, Gyp, Other m.p. | Carpet-mastic-yellow, teamwork trail & compassion court rooms |
| 7         | None Detected | 1) 50-70% Cellulose, Fiberglass  
2) 30-50% Bndr, GlassFrgs, Other | Ceiling tile-white 2x4, teamwork trail & compassion court rooms |
| 8         | None Detected | 1) 50-70% Cellulose, Fiberglass  
2) 30-50% Bndr, GlassFrgs, Other | Ceiling tile-12x12 white, hall |
| 9         | None Detected | 1) 1-5% Cellulose  
2) 95-99% Bndr, Calc, Gyp, Other m.p. | Cove base mastic-yellow/white, hall |
| 10        | None Detected | 1) 1-5% Cellulose  
2) 95-99% Bndr, Calc, Gyp, Other m.p. | Cove base mastic-yellow/white, hall |

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Limit of quantitation of method is estimated to be 1% asbestos using a visual area estimation technique.  
Split samples are inhomogeneous.

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Laboratory Analyst: Greg Hanes  
ASBESTOS TEM LABORATORIES, INC.  
1350 Freeport Blvd., Unit 104, Sparks, NV  89431 (775) 359-3377  
With Main Office in Berkeley, CA (510) 704-8930
## ENVIRONMENTAL TESTING & CONSULTING

14840 Toll Rd * Reno, NV 89521 * Ph: (775) 691-5506 * Fax: (775) 853-3554

*** BULK SAMPLE SUBMISSION FORM / CHAIN-OF-CUSTODY ***

**Turnaround:**  
- 2 hr  
- 4 hr  
- 8 hr  
- 24 hr  
- 2 Day  
- 3 Day  

**Job Site:** 1709 Remington Trl.  
**Contact Person:** Jack Goshow / Bob Nemitz

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<tr>
<td>1</td>
<td>Wall mastic smooth</td>
<td>Tissue/K Trail &amp; Compassion Cent. Room</td>
</tr>
<tr>
<td>2</td>
<td>1 TEE</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Panel mastic (wh+</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Panel wall</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Carpet mastic (Yellow)</td>
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<td>6</td>
<td>Ceiling Tile (wh+ 2x4)</td>
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<td>7</td>
<td>Ceiling Tile - (12x12wh+)</td>
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<td>8</td>
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<td>9</td>
<td>CB M - (Yellow) wh+</td>
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**Special instructions:**

**Relinquished by:**
- **Name/Company:** Jack Goshow / Bob Nemitz/ETC  
- **Date / Time:** 11/12/18 3:45 pm

**Received by:**
- **Name/Company:** Kellie Hawke / Greg Hanes /ATEM  
- **Date / Time:** 11/12/18 3:45 pm

Page 1 of 1
ASBESTOS TEM LABORATORIES, INC.

NIOSH 0500
Total Particulates Not Otherwise Regulated
Analysis Report

#361571

600 Bancroft Way, Ste. A
Berkeley, CA 94710
(510)704-8930
FAX (510) 704-8429
### NIOSH 0500

#### AIR FILTER ANALYSIS REPORT

**Contact:** Jack Gashow  
**Samples Submitted:** 3  
**Report No.:** 361571  
**Client:** Environmental Testing & Consulting  
**Samples Analyzed:** 3  
**Date Submitted:** Nov-19-18  
**Job Site / No.:** 1709 Remington(SLT)  
**Date Reported:** Nov-19-18

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<td>Analysis Date: Nov-19-18</td>
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<td>2</td>
<td>&lt;0.25 mg/cu.m</td>
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<td>Multi-pupose room</td>
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<td>Volume (L): 120</td>
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<td>Analysis Date: Nov-19-18</td>
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<td>&lt;0.25 mg/cu.m</td>
<td>0.25 mg/cu.m</td>
<td>upper pod-R-16 N /E</td>
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<td>Analysis Date: Nov-19-18</td>
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**Lab QC Reviewer:** Jo Ann Haertel  
**Analyst:** Jie Zhang

ASBESTOS TEM LABORATORIES, INC.  
630 BANCROFT WAY, BERKELEY CA 94710  
(510) 704-8930  
*with offices in Reno (775) 359-3377*
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<td>1:50</td>
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**Location/Description:**
- Lab #1 - Library
- Lab #2 - Lab 15
- Lab #3 - Lab 15

**Special Instructions:**
- Relinquished by: Jack Goshow, Bob Name/ETC

**Date/Time:**
- 11-16-15 1:45

**Received by:**
- Name/Company: Kelli Hawker, Greg Hanes / ATEM

**Signature:**

Job Site: 1709 Kettler Court

14040 Toll Rd. * Reno, NV 89521 * Ph: (775) 611-9506 * Fax: (775) 833-3542

**Environmental Testing & Consulting**