


INTEROFFICE CORRESPONDENCE
Los Angeles Unified School District
Office of Environmental Health and Safety

INFORMATIVE

TO: Members, Board of Education
Ramon C. Cortines, Superintendent

DATE: December 11, 2015

FROM:  Robert Laughton, Director
Office of Environmental Health and Safety

SUBJECT: ALISO CANYON NATURAL GAS LEAK AIR MONITORING UPDATE

This is an update to the informative provided yesterday regarding the air monitoring activities being conducted at Porter Ranch Community School and Castlebay Lane Elementary School in response to the ongoing natural gas leak at the Aliso Canyon natural gas storage facility.

On December 9, 2015, real-time air monitors detected the presence of volatile organic compounds (VOCs) at both sites. Although the monitors can detect low levels, they are not able to identify specific compounds such as benzene. Because of the VOC detections, additional confirmation samples were collected on December 10, 2015 and sent to a laboratory for further analysis.

Laboratory results indicate that chemicals analyzed were either not detected or at concentrations below environmental regulatory limits. We have provided this information to the Los Angeles County Department of Public Health (LACDPH) for their review.

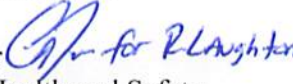
If you have any questions or require further information, please contact me at (213) 241-3199.

INTEROFFICE CORRESPONDENCE
Los Angeles Unified School District
Office of Environmental Health and Safety

INFORMATIVE

TO: Members, Board of Education
Ramon C. Cortines, Superintendent

DATE: December 10, 2015

FROM: Robert Laughton, Director  for R. Laughton
Office of Environmental Health and Safety

SUBJECT: ALISO CANYON NATURAL GAS LEAK AIR MONITORING

This is an update regarding the air monitoring activities being conducted at Porter Ranch Community School and Castlebay Lane Elementary School in response to the ongoing natural gas leak at the Aliso Canyon natural gas storage facility.

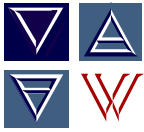
Air samples are collected throughout the day utilizing real-time hand-held monitors to determine if there is a health threat. A field technician gathers samples from various locations around both campuses, both indoors and outdoors. The results are reported in parts per million (PPM) for methane (CH₄) and hydrogen sulfide (H₂S). Since Dec. 1, when we obtained the necessary equipment, we have also been testing for benzene, toluene, ethylbenzene and xylene. Real-time data instruments are utilized for screening purposes and to determine if additional investigation is required.

We also collect data through the use of air-sampling canisters. The stainless-steel canisters are placed at indoor locations around the schools, where they collect samples over an eight-hour period. The canisters are then sent to a laboratory for analysis. The lab analysis is able to identify the presence of specific compounds and concentrations. Real-time air monitoring samples between November 30, 2015 and December 8, 2015 have been below regulatory guidance levels. Air monitoring activities will continue for the immediate future.

On December 9, 2015, real-time air monitors detected the presence of volatile organic compounds (VOCs) at both sites. Although the monitors can detect low levels, they are not able to identify specific compounds such as benzene. Because of the VOC detections, additional confirmation samples were collected on December 10, 2015 and sent to a laboratory for further analysis. Lab results are expected tomorrow.

In a phone conference this morning, OEHS provided the VOC monitoring information to the Los Angeles County Department of Public Health (LACDPH) and advised of the additional confirmation sampling activities. LACDPH staff concurred with actions taken which include additional confirmation sampling activities. Analytical results will be provided to LACDPH for review and to determine if further action is necessary.

If you have any questions or require further information, please contact me at (213) 241-3199.



DIRECT READING AIR MONITORING LOG

CLIENT: Los Angeles Unified School District

DATE: 12/9/2015

PAGE 1 of 2

ADDRESS: Porter Ranch Community School

BY: Robert Pitzer

INSTRUMENT: Photo Ionization Detector (PID)

CALIBRATION VALUE: 5.0 ppmv CALIBRATION READING: 5.0 ppmv

INSTRUMENT: Methane Flame Ionization Detector (FID)

CALIBRATION VALUE: 100 ppmv CALIBRATION READING: 100ppmv

INSTRUMENT: Hydrogen Sulfide Jerome J631X

CALIBRATION VALUE: N/A Factory Calibrated CALIBRATION READING: Manufacturer Calibration Only

TIME	Methane (ppmv)	Hydrogen Sulfide (ppmv)	VOCs* (ppmv)	Drager Tubes			Location
				Toluene (ppmv)	Ethylbenzene (ppmv)	Xylene (ppmv)	
0843	0.0	0.000	0.1	--	--	--	Middle School Office
0852	0.0	0.000	0.1	--	--	--	Lunch Area Outside
0858	0.0	0.000	0.1	--	--	--	Library
0901	0.0	0.000	0.1	--	--	--	Northeast corner of basketball courts
1011	0.0	0.001	0.0	--	--	--	Main Office
1016	0.0	0.001	0.0	--	--	--	Lunch Area Outside
1020	0.0	0.001	0.0	--	--	--	Multi-Purpose Room
1029	0.0	0.001	0.0	--	--	--	Northeast corner of basketball courts
1040	--	--	--	ND	ND	ND	Middle school building 2 nd floor hallway
1045	--	--	--	ND	ND	ND	Playground Outside
1156	0.0	0.001	0.1	--	--	--	Southwest corner of school block near parking lot
1201	0.0	0.002	0.1	--	--	--	Northwest corner of school block at the corner of Mason Ave. and Sesnon Blvd.
1209	0.0	0.001	0.1	--	--	--	Northeast corner of gymnasium building on Sesnon Blvd.

Weather Conditions: Partly Cloudy Wind 0 miles per hour Wind Dir: East Temp: 67 ° F

Comments: Toluene, Xylene and Ethylbenzene tested using drager tubes.

ND=Not Detected

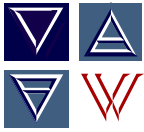
ppmv= parts per million by volume

N/A = Not Applicable

-- = No Reading (no measurement was taken at this time)

Very light odor of natural gas upon arrival this morning (7 am) Volatile Organic Compound (VOC) PID readings are +/- 10%

*VOC readings were previously reported as 'Benzene'. However, PID measures total VOCs and is not compound-specific. PID is a screening instrument and air samples were collected and submitted to laboratory on 24 hr rush turn-around-time. Confirmatory readings taken with a second PID on 12-10-15 were 0



DIRECT READING AIR MONITORING LOG

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				Toluene (ppmv)	Ethylbenzene (ppmv)	Xylene (ppmv)	
1235	--	--	--	ND	ND	ND	Inside Main Office
1407	0.0	0.001	0.1	--	--	--	Founder's Park Area
1410	0.0	0.000	0.1	--	--	--	Inside Gym
1413	0.0	0.000	0.1	--	--	--	Middle School Office
1415	0.0	0.002	0.1	--	--	--	Lunch Area Outside
1420	--	--	--	ND	ND	ND	Parking Lot
1454	0.0	0.001	0.1	--	--	--	Elementary School Building 2 nd Floor Hallway
1458	0.0	0.001	0.1	--	--	--	Library
1505	0.0	0.000	0.1	--	--	--	Northeast corner of basketball courts
1510	0.0	0.001	0.1	--	--	--	Middle of soccer field

Weather Conditions: Partly Cloudy Wind 0 miles per hour Wind Dir: East Temp: 67 °F

Comments: Toluene, Xylene and Ethylbenzene tested using drager tubes.

ND=Not Detected

ppmv= parts per million by volume

N/A = Not Applicable. Very light odor of natural gas upon arrival this morning (7 am)

-- = No Reading (no measurement was taken at this time). Volatile Organic Compounds (VOC) PID readings are +/- 10%

*VOC readings were previously reported as 'Benzene'. However, PID measures total VOCs and is not compound-specific. PID is a screening instrument and air samples were collected and submitted to laboratory on 24 hr rush turn-around-time. Confirmatory readings taken with a second PID on 12-10-15 were 0.