

## **WATERSTONE ENVIRONMENTAL, INC.**

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December 3, 2015

Los Angeles Unified School District  
Office of Environmental Health and Safety  
333 South Beaudry Street, 21st Floor  
Los Angeles, California 90017-5156

**Re: Air Testing Results for Porter Ranch Community School in Porter Ranch,  
California**

Waterstone Environmental, Inc. (Waterstone) is pleased to submit this letter report detailing the results of recent air testing and sample collection at the Porter Ranch Community School located at 12450 Mason Avenue, Porter Ranch, California.

Waterstone has collected air samples and conducting real time air monitoring using various handheld monitors. This report summarizes the results of air sample analysis for samples collected on November 30, 2015.

***Sample Collection and Analysis***

Sample collection consisted of both a grab sample (over a 15 minute period) in a tedlar bag as well as an 8-hour sample collected in a summa canister in indoor office space at the school. Both samples were submitted for analysis of sulfur compounds by SCAQMD Method 307-91, hydrocarbon speciation by modified EPA 18, and BTEX by EPA Method TO-14. The complete laboratory report with analysis results is attached.

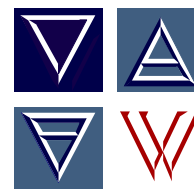
The summa canisters were placed in the breathing zone and allowed to sit undisturbed for a period of 8 hours. Samples were delivered to Quantum Analytical Services Inc., a laboratory certified by the South Coast Air Quality Management District (SCAQMD) and the California Air Resources Board (CARB).

Real time air monitoring was conducted in indoor and outdoor spaces using a Micro Flame Ionization Detector (FID) for methane detection, a Jerome J605 for hydrogen sulfide detection.

***Analytical and Real Time Monitoring Results***

The sample IDs created to refer to Porter Ranch Community School are designated with a "PR" in the sample ID. The analytical results for Porter Ranch Community School presented in the attached laboratory reports are summarized as follows:

- No sulfur compounds were detected at concentrations above laboratory detection limits.



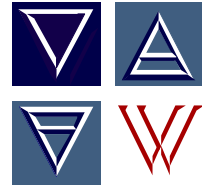
- Methane was detected at a maximum concentration of 0.00346 parts per billion by volume (ppmv); however, no other analytes were detected by method EPA 18. There are no environmental regulatory limits for methane toxicity. Methane was not detected at a concentration that requires a fire contingency plan (8,800,000 ppb) as required by the Los Angeles County Building Code.
- Benzene, toluene, ethylbenzene, and xylenes were not detected at Porter Ranch Community School.

Analyte	Maximum On-site Detection (ppbv)	Environmental Regulatory Limit (ppbv)	Environmental Regulatory Limit Description
Sulfide Compounds	None	30 (Hydrogen Sulfide) 7 (Hydrogen Sulfide)	California Ambient Air – 1 hour and OEHHA Acute REL  OEHHA Chronic REL
Methane	3,460	None	None
Other Hydrocarbon Speciations by EPA 18	None	1,950 (Hexane)	OEHHA Chronic REL
Benzene	None	8 1 1	OEHHA Acute REL 8-hour and chronic OEHHA RELs Proposition 65 No Significant Risk Level (NSRL)
Toluene	None	9,640 80 90	OEHHA Acute REL OEHHA Chronic REL Proposition 65 Maximum Allowable Daily Level (MADL)
Ethyl Benzene	None	450	OEHHA Chronic REL
Xylenes	None	4,970 160	OEHHA Acute REL OEHHA Chronic REL

The real time monitoring logs are attached and results are summarized as follows:

- Methane was not detected.
- Hydrogen sulfide was detected at low concentrations of 0.001 ppm well below the OEHHA Acute REL of 0.03 ppm.

The majority of the regulatory limits we are comparing against are Reference Exposure Levels (RELs) developed and published by California's Office of Environmental Health Hazards (OEHHA). OEHHA is one of six agencies under the umbrella of the California Environmental Protection Agency (Cal/EPA). OEHHA's overall mission is to protect and enhance public health and the environment by scientific evaluation of risks posed by hazardous substances.



OEHHA evaluates health effects of chemicals found in indoor air, including developing Reference Exposure Levels for use with indoor air exposure scenarios. OEHHA participates in a number of inter-Agency activities designed to evaluate indoor air quality health issues and to move California toward safer indoor air quality. OEHHA provides health-related assistance to the Air Resources Board, air pollution control districts, local health officers and environmental health officers.

Regulatory limits also include Proposition 65 No Significant Risk Levels (NSRL) and Maximum Allowable Daily Level (MADL) for potentially carcinogenic compounds. Proposition 65, the Safe Drinking Water and Toxic Enforcement Act of 1986, was enacted as a ballot initiative in November 1986. The Proposition was intended by its authors to protect California citizens and the State's drinking water sources from chemicals known to cause cancer, birth defects or other reproductive harm, and to inform citizens about exposures to such chemicals.

As shown in the table above, the maximum on-site detections are well below the published environmental regulatory limits and no sulfide compounds were detected above laboratory detection limits.

Sincerely,



Elizabeth Gonzalez, P.E.  
*Principal Engineer*  
**Waterstone Environmental, Inc.**



Grace M. Rinck, CIH  
*Vice-President*  
**Aurora Industrial Hygiene, Inc.**

Attachments