

**ROXBURY TOWNSHIP PRIVATE SCHOOLS  
Landfill Gas Assessment**

**INDOOR AIR SAMPLING RESULTS  
12/02/13 to 12/05/13**

SCHOOL	SAMPLE DATE	SAMPLE LOCATION	HYDROGEN SULFIDE (H <sub>2</sub> S)	SULFUR DIOXIDE (SO <sub>2</sub> )
American Christian E.S.	12/03/13	Lower School Building - Classroom 5	N.D.	N.D.
		Lower School Building - Classroom 2	N.D.	N.D.
		Upper School House - Middle Classroom	N.D.	N.D.
		Ambient	N.D.	N.D.
Morris County Educare and Enrichment Center	12/04/13	Entrance Foyer	N.D.	N.D.
		"Twoddler" Room	N.D.	N.D.
		Room 7	N.D.	N.D.
		Ambient	N.D.	N.D.
St. Therese E.S.	12/05/13	Main Building 1 <sup>st</sup> Grade Classroom	N.D.	N.D.
		Main Building 3 <sup>rd</sup> Grade Classroom	N.D.	N.D.
		Learning Center Building Pre-K Classroom	N.D.	N.D.
		Ambient	N.D.	N.D.

N.D. = Non-detectable

All results are in parts per billion (ppb)

Results are rounded to the nearest whole number

Sample Date is the date on which the 24-hour sample was completed

In conjunction with the 24-hour canister sampling, the Department of Health (DOH) is utilizing Jerome J605 portable handheld meters for detecting hydrogen sulfide (H<sub>2</sub>S) gas. The H<sub>2</sub>S readings are being taken each time the 24-hour canisters are placed and again when the canisters are collected. The H<sub>2</sub>S readings are being taken in each room where a canister is placed and in hallways and corridors in the vicinity of these rooms, as well as, outside the building. During this week of sampling there were detectable levels of H<sub>2</sub>S measured in the outside ambient air at each school location.

On December 3<sup>rd</sup>, detectable levels of H<sub>2</sub>S were measured in the outdoor ambient air at the American Christian School at 3.5 and 3.6 ppb. On December 4<sup>th</sup>, detectable levels of H<sub>2</sub>S were measured in the ambient outdoor air at the Morris County Educare Center and St. Therese E.S. at 3.0 and 3.5 ppb, respectively. On December 5<sup>th</sup>, detectable levels of

H<sub>2</sub>S were measured in the ambient outdoor air at the St. Therese E.S. at 3.1 and 3.2 ppb. No detectable levels of H<sub>2</sub>S were measured inside any of the schools. There were no odors of H<sub>2</sub>S noted and there were no reports of odor complaints by school staff.