

**ROXBURY TOWNSHIP PRIVATE SCHOOLS
Landfill Gas Assessment**

**INDOOR AIR SAMPLING RESULTS
11/18/13 to 11/21/13**

SCHOOL	SAMPLE DATE	SAMPLE LOCATION	HYDROGEN SULFIDE (H ₂ S)	SULFUR DIOXIDE (SO ₂)
American Christian E.S.	11/19/13	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	11/20/13	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.	11/21/13	Main Building 1 st Grade Classroom	N.D.	N.D.
		Main Building 3 rd 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 (H₂S) gas. The H₂S readings are being taken each time the 24-hour canisters are placed and again when the canisters are collected. The H₂S 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. On November 18th, detectable levels of H₂S were measured in outdoor ambient air at the American Christian School, ranging from 3.5 to 3.7 ppb. No detectable levels were measured in any locations inside the school. There were no complaints of H₂S odors by the school staff.

On November 19th and 20th, detectable levels of H₂S were measured in the indoor air at the Morris County Educare Center in Classroom #4. Detectable levels ranged from 3.3 to 4.4 ppb and 3.1 to 3.7 ppb, respectively. Odors noted at the time the readings were taken appeared to be related to a child diaper/changing area located in the room and cooking activities. There were no complaints of H₂S odors by the school staff on either day. There were no detectable levels of H₂S measured in the outside ambient air on either day.

On November 21st, detectable levels of H₂S were measured in the ambient air outside the St. Therese E.S., ranging from 3.4 to 3.5 ppb. No odor was noted at the time the readings were taken. No detectable levels were measured in any locations inside the school. There were no complaints of H₂S odors by the school staff.