

**ROXBURY TOWNSHIP PUBLIC SCHOOLS
Landfill Gas Assessment**

**INDOOR AIR SAMPLING RESULTS
11/25/13 to 11/27/13**

SCHOOL	SAMPLE DATE	SAMPLE LOCATION	HYDROGEN SULFIDE (H ₂ S)	SULFUR DIOXIDE (SO ₂)
Roxbury H.S.	11/26/13	Auditorium Stage	N.D.	N.D.
		Main Office	N.D.	N.D.
		Guidance Office	N.D.	N.D.
		Classroom P241	N.D.	N.D.
		Classroom P249	N.D.	N.D.
		Ambient	N.D.	N.D.
Roosevelt M.S.	11/27/13	Main Office	N.D.	N.D.
		Women Teachers Room	N.D.	N.D.
		Room #214	N.D.	N.D.
		Ambient	N.D.	N.D.
Jefferson E.S.	N.A.	Nurses Room		
		Room #15		
		Computer Room		
		Ambient		

N.A. = No sampling conducted. School closed for scheduled holiday.

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. During this week of sampling there were detectable levels of H₂S measured in the indoor air and the outside ambient air.

On November 25th, H₂S was detected in both the indoor air and the outside ambient air at the Roxbury H.S. H₂S was detected in seven (7) locations sampled inside the high school including the Main Office area at 4.0 ppb, the Main Guidance Office area at 4.0 ppb, a Guidance Counselor's Office at 3.8 ppb, Classroom P241 at 5.0 ppb, Classroom P249 at 5.0 ppb and the Hallway between Classrooms P241 and P249 ranging from 4.4 to 5.3 ppb. H₂S was detected in the ambient air outside the Roxbury H.S. at 3.0 ppb. On November

26th, H₂S was detected in both the indoor air and the outside ambient air at the Roxbury H.S. H₂S was detected in same seven (7) locations sampled inside the high school ranging from 3.5 to 5.1 ppb. H₂S was detected in the ambient air outside the Roxbury H.S. ranging at 3.5 ppb. There were no odors of H₂S noted and there were no reports of odor complaints by school staff on either day.

On November 26th, H₂S was detected in the outside ambient air at the Roosevelt M.S. at 3.3 ppb. There were no detectable levels measured inside the school. H₂S was not detected in the indoor air or outside ambient air on November 27th. There were no odors of H₂S noted and there were no reports of odor complaints by school staff.