

**Results of the Ohio EPA Field
Investigation
Bank Ave. Neighborhood
St. Bernard, Ohio**

Scope of Investigation

- On October 3, 2011, Ohio EPA began a field investigation at several residential properties on Bank Ave. that are located adjacent to the old St. Bernard landfill (Lytle Park).
- Ohio EPA collected soil and groundwater samples at the properties. Ohio EPA also collected soil gas samples beneath the residential structures.
- Ohio EPA performed a total of 33 soil borings to a depth of 20 feet. Soil cores were screened in Ohio EPA's mobile lab for volatile organic compounds (VOCs) and described in the field. Soil samples were selected based on field screening, odors and/or appearance.
- Groundwater samples were also collected from 6 locations.
- The selected soil and water samples were submitted to an environmental laboratory for analysis of 66 VOCs , 65 SVOCs and 7 metals.

Ohio EPA GeoProbe



Ohio EPA GeoProbe and Mobile Lab



Bank Ave. Sampling Locations



Results of Investigation

- VOCs, SVOCs and metals were detected in soil samples.
- VOCs were detected in several water samples.
- VOCs were detected in several sub slab samples.

Next Steps

- Collect sub slab and indoor samples at residential properties sampled in October.
- Samples will be collected in mid-January and should be representative of “worst case” conditions.
- The samples will be submitted to Ohio EPA’s contract laboratory for analysis of VOCs and methane.
- Ohio EPA will submit the results to the Ohio Department of Health for evaluation.
- A comprehensive report of Ohio EPA’s investigation will be prepared after the results of the indoor air and sub slab samples are received from the laboratory. The report should be available by late February.