



2024 Millersville Neighborhood Groundwater Assessment Survey

Background

The Millersville Neighborhood is in the northeast side of Indianapolis and was assessed to evaluate the ground water quality of private wells in the area. The section of the neighborhood that was sampled is bordered by Binford Blvd to the east, Allisonville Rd to the west, 51st St to the south, and Delmar Rd to the north. This neighborhood was selected as part of a continued effort to gather data on the Millersville area and was sampled throughout the spring and summer of 2024.

Survey Results

A total of 57 properties were selected for this survey and invitation letters were mailed out. Of the 57 homes, 13 requested well water samples, resulting in a 23% response rate. Samples were analyzed at the MCPHD laboratory and results were compared to EPA Drinking Water Standards.

Sampling Results

Bacteria

E. coli bacteria was detected in one sample, and coliform bacteria was detected in eight of the thirteen samples, or 61.5% of samples. Coliform bacteria are used as an indicator, meaning while its presence does not cause illness there could potentially be other disease-causing organisms in the water. Chlorination instructions were sent out with the lab reports and follow-up inspections were scheduled.

VOCs

No volatile organic compounds were found above detection limits in any of the samples taken.

Anions

Well samples were tested for the following anions: Chloride, Fluoride, Nitrates, Nitrites, Phosphates, and Sulfates. No samples were above the Maximum Contaminant Levels set by the EPA.

Metals

Samples were analyzed for Arsenic, Barium, Boron, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Selenium, Thallium, and Zinc. High Iron and Manganese were detected in three of the thirteen samples collected.

Conclusions

The county average for coliform bacteria positives during an initial sample collection is between 40 and 45%. The rate at which coliform appeared in this section of the Millersville neighborhood was 61.5%, which is above the countywide average. The results also showed one *E. coli* positive and elevated levels of iron and manganese in three homes. For a free well test, please call MCPHD's Water Quality Department at 317-221-2266

Survey Area for Millersville Groundwater Assessment

