



2021 Roland & Rommel Neighborhood Groundwater Assessment Summary

Background

A well survey was conducted of the Roland and Rommel neighborhood to identify any potential water quality contamination. The neighborhood is located on the northwest side of Indianapolis with 42nd St to the north, Roland Rd to the west, 39th St to the south and Knollton Rd to the east. The neighborhood was chosen due to the proximity to the White River and lack of historical groundwater data.

Survey Results

21 properties were included in the project with invitation letters mailed out, followed by a door-to-door survey. Of the 21 properties, one was found to be vacant. Of the remaining 20 residences, only three responded to the survey which resulted in a 15% response rate.

Sampling Results

Bacteria

E. coli bacteria were not found in any samples but total coliform bacteria were present in wells at one property, or 33% of samples. Coliform bacteria are used as an indicator, meaning that 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 a follow-up inspection was 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. All anions were below the Maximum Contaminant Levels (MCLs).

Metals

Samples were analyzed for the following metals: Arsenic, Barium, Boron, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Selenium, Thallium, and Zinc. No metals were detected above the MCL.

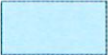



Conclusions

This survey did not find any contamination or water quality issues in the groundwater wells. Coliform bacteria were detected in one-third of the samples, which is consistent with rates found throughout the county. The low response rate was the major limitation, however, so it is difficult to categorize the water quality based on only three samples. Efforts will be made to continue to attempt to educate well owners on the importance of testing their well water routinely. For a free test, residents can call MCPHD's Water Quality Department at 317-221-2266.

Roland and Rommel Neighborhood Well Project



Legend

-  Roland and Rommel Neighborhood Sampled Properties
-  Roland and Rommel Neighborhood Well Survey
-  Major Streets
-  Parcels 2018