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The City of Carmel Utilities' Drinking Water Treatment staff works diligently to ensure that the drinking water provided to our consumers is safe and meeting the requirements in the Environmental Protection Agency's (EPA) Safe Drinking Water Act Regulation and also the Indiana Department of Environmental Management's (IDEM) Indiana Administrative Code for Public Water Supplies.

Lead & Corrosiveness Monitoring

Per IDEM requirements, lead monitoring in our water occurs every three years. Lead is not commonly found in any source water used for drinking water. The corrosiveness of the water however can cause lead to leach from internal plumbing fixtures. For this reason the Utility frequently monitors water coming from our plants and in our distribution system for conditions that can lead to corrosiveness such as PH, Alkalinity and Calcium Carbonate levels. If any of these indicators were outside the acceptable range, then treatment techniques would be adjusted accordingly to reduce the likelihood of corrosiveness.

Lead Testing in Carmel:

When IDEM implemented the Lead and Copper Rule for Public Water Supplies in Indiana, Carmel complied with the regulations and has continued to do so. Because of the good test results from Carmel's source water and treatment, Carmel Utilities is required to test for lead in our water system every three years. When we do collect samples for lead testing, we collect from residential homes that have the highest likelihood of having lead pipes or lead soldering.

Testing & Reporting Requirements:

- Collect 30 Samples for lead from residential homes, between June and September during the 1st year of each Compliance Period. (2014, 2017, 2020....)
- Collect 10 corrosiveness indicator samples from the distribution system once per quarter, annually.
- Collect 1 corrosiveness indicator sample from each treatment plant once every two weeks, annually.
- Must provide a consumer notice of lead tap water monitoring results to persons served at the sites (taps) that are tested.
- Must report all results to the State, including location, results and 90th percentile for residential samples, within 10 days of receipt of results from lab.
- Must report all results to the State for corrosiveness samples within 10 days of completion. (twice annually)
- Must provide public education information in annual CCR about lead in drinking water.

For More Information:

Carmel Utility Consumer Confidence Report:

<http://carmel.in.gov/modules/showdocument.aspx?documentid=5937>

IDEM Regulations:

327 IAC 8-2-36, 327 IAC 8-2-37, 327 IAC 8-2-38, 327 IAC 8-2-39, 327 IAC 8-2-40, 327 IAC 8-2-41, 327 IAC 8-2-42, 327 IAC 8-2-43, 327 IAC 8-2-44, 327 IAC 8-2-45, 327 IAC 8-2-46, and 327 IAC 8-2-47

EPA Regulations:

40 CFR Part 141, Subpart I - Control of Lead and Copper

Additional questions or inquiries can be sent to Jaimie Foreman, at jforeman@carmel.in.gov or 317/571-4144.