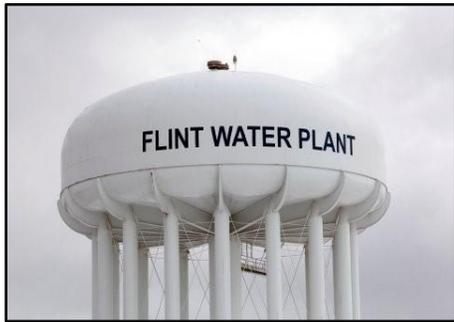


## ANDalyze Measures Lead in Water in Flint, Michigan



### Measuring Lead (Pb) in Water

The Flint, Michigan municipal water supply was contaminated with lead (Pb) in April of 2014 due to errors made by the water operations and administration of the city. Because of this, Merlin Ecosolutions LLC, an independent environmental consulting firm, collected samples in Flint to determine the lead levels in the drinking water supply to assist the local community.

### Measuring and Remediating Lead Levels in Drinking Water

The Merlin Ecosolutions team used the ANDalyze water quality measuring technology to identify and measure lead levels with the ultimate goal of making the contaminated Flint Municipal tap water safe to drink. Merlin's first water sampling and measurement with the ANDalyze instrument was at St Mary's Catholic Church in Flint, Michigan. The second sampling a measurement effort was at St Luke's shelter for homeless children and women, in Flint, Michigan.



*ANDalyze meter and sensors being used on-site by Merlin Ecosolutions consultant.*

### The ANDalyze Solution - Quantitative accuracy at Below EPA thresholds for Lead

The ANDalyze heavy metals water-measurement instrument was made available to the Merlin Ecosolutions team to test drinking water for lead concentrations. It can measure lead (Pb) levels in drinking water, with accuracy to low parts per billion, and delivering results within 2 minutes. This was especially helpful on site, since lab results are sometimes not always reported back for weeks. The technicians got an accurate measure "on the spot" with weekly monitoring, and then shipped samples off to the certified EPA to correlate the field measured values with the lab measured values. Merlin Ecosolutions found the ANDalyze device to be accurate, when used properly producing (nearly) identical results with the EPA lab measured results. The added advantage is that the ANDalyze product helps to quickly find lead "hot spots". Ten measurements can be done in under an hour, resulting in readings that, if showing a positive result, can then be shipped to a laboratory for US EPA certified measurement.



**Finding these hot spots quickly is critical to remediating the problems in the drinking water supply. Without the ease-of-use, accuracy and low cost per measurement of the ANDalyze product we could often be looking for a *needle in a haystack*.**

*You can't manage what you can't measure!*