

PRESS RELEASE

Stage 2 DBPR Compliance Strategy of Birmingham Water Works Board to Incorporate an Online THM Analyzer

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The [Birmingham Water Works Board](#) (BWWB), the largest water system in Alabama, has purchased an online THM analyzer from [Aqua Metrology Systems](#) (AMS) to monitor daily trihalomethane (THM) levels at their Shades Mountain Filter Plant. The online THM analyzer will enable the BWWB to further optimize their chlorine disinfection process and minimize the formation of THMs in their treated water; ensuring regulatory compliance with the Stage 2 Disinfectants and Disinfection Byproducts Rule (DBPR).

The conventional filtration/disinfection Shades Mountain Filter Plant (SMFP), with a peak capacity of 80 mgd, is the largest of the four facilities overseen by the BWWB. The large open-air sedimentation basin at the front of the SMFP is susceptible to algae growth; particularly during the summer months of June through August. Algae growth is managed with the addition of chemical disinfectants that react with the naturally occurring organic matter present to form THMs.

In September 2013, the BWWB began a 90-day trial of the [THM-100](#) online analyzer to characterize THM levels in their distribution system. "The THM-100 online analyzer provided us with immediate and accurate daily reports on THM levels. By monitoring the real-time formation of THMs in our distribution system we were better equipped to control its production and implement process optimization techniques accordingly," said Darryl Jones, Assistant General Manager for Water Treatment at the Birmingham Water Works Board.

After a successful demonstration, the BWWB decided to purchase the THM-100 online analyzer for full-scale operation at the Shades Mountain Filter Plant. The online THM analyzer will be incorporated into BWWB's Stage 2 DBPR compliance strategy.

To access the latest information about Aqua Metrology Systems visit our [Industry News Room](#). To learn more about the Birmingham Water Works Board visit their [website](#).

About the THM-100™ Online THM Analyzer

The THM-100™ online analyzer from Aqua Metrology Systems provides accurate ($\pm 10\%$) and continuous measurement of Total THM and speciation through an automated and unattended colorimetric process. THM levels are monitored daily and delivered every four hours or less through the self-calibrating analyzer. Monitored results are delivered through communication options including 4-20mA, wireless or USB.

