Abstract

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Practical Uses of a Geodatabase Built for Hydraulic Modeling
Track: Water, Wastewater, and Stormwater
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The City of Cleveland Division of Water has developed a GIS to work in combination with a hydraulic model. The City of Cleveland provides water to more than 1.5 million people in 76 communities. Although the GIS was developed with the primary purpose of storing, maintaining and serving the data used for the hydraulic model, there are many practical GIS applications used by the Cleveland Division of Water employees which save considerable time. Examples of these applications include spatial queries on a number of features, such as hydrants etcetera, outage traces in emergencies, and rapid calculation of pipe footage for planning improvements.

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