Abstract

Bringing GIS to Water
Track: Water, Wastewater, and Stormwater
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The Pennichuck Water Works in Nashua, NH, has developed a pilot project that has integrated their customer information system, GIS, CAD, and inventory/inspection applications into one seamless system to enable data sharing across the organization. This paper will discuss the procedures used to plan, design, and implement Pennichuck's pilot project. Topics covered include GIS Needs Assessments, the Unified Modeling Language (UML) for GeoDatabase design, database development, GIS application development using ArcIMS and the ArcMap Server extension, and customizing ArcPad for field-based applications.

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