


**DEKALB COUNTY: STORM WATER  
INVENTORY**

<b>Project:</b>	DeKalb County MS4 Stormwater Geodatabase Design, Collection and Inspection	
<b>Client:</b>	Arcadis	
<b>Location:</b>	Dekalb County, GA	
<b>Completion</b>	Completed	

**Objective:** To design a custom Geodatabase schema and conduct a countywide stormwater inventory for DeKalb County.

Dekalb County operates within a framework that involves both federal and state laws and regulations. The Clean Water Act of 1972 is the primary statute governing water pollution control and the United States Environmental Protection Agency (EPA) is the federal agency that enforces and develops the rules for administering this statute.



The enforcement of federal rules and regulations has largely been delegated to the state; therefore, the Georgia Environmental Protection Division (GAEPD) is the regulator of Dekalb County for Clean Water Act issues. The National Pollution Discharge Elimination Systems (NPDES) and the ancillary Municipal Separate Storm Sewer System (MS4) permits are the primary instruments used by the state to enforce Clean Water Act compliance.

In this regard, MME worked as a teaming partner with Arcadis to assist the county in inspecting and inventorying its storm water MS4 structures. The project involves the development of a hydraulic network based on field-collected data at sub-meter accuracy using customized ArcPad forms and Trimble ProXH GPS units. The team has processed over 250,000 features, with MME collecting data on over 28,000 storm structures.

