Geosyntec consultants

SURFACE & STORMWATER MANAGEMENT

Geosyntec's stormwater management practice focuses on urban runoff and other water quality and quantity issues that can influence the environment, development projects, and long-term regulatory compliance. We apply cutting-edge approaches to development and rehabilitation projects to improve control of stormwater quantity and quality.

For more information
geosyntec.com/markets/water/watershed-planning-and-stormwater-management

Geosyntec is known for its innovative work in stormwater and watershed management. Our people help to shape practices nationally through joint research and project work with engineering faculty at outstanding academic institutions as well as through our involvement in research, development, and application of technologies. Geosyntec employees present state-of-the-practice training sessions and workshops on stormwater management, National Pollutant Discharge Elimination System (NPDES) regulatory program requirements, erosion and sediment control technologies, and Best Management Practice (BMP) performance and design. Geosyntec works with local and regional clients to manage surface water quality and meet state and federal requirements.

OUR CAPABILITIES ASSOCIATED WITH SURFACE AND STORMWATER MANAGEMENT INCLUDE THE FOLLOWING:

- Selection, design, and construction of stormwater treatment systems
- Implementation of site-planning and source-control measures to prevent hydrologic and water quality impacts
- Hydromodification control impact assessment, management planning, and control
- Hydrologic evaluations for impacts to flood control systems
- Integration of stormwater controls with stream, wetland, and riparian mitigation areas
- Development of construction, industrial, and municipal NPDES compliance programs
- Large-scale Total Maximum Daily Load implementation programs and other innovative water quality planning efforts
- Stormwater capture and low impact development techniques
- Assessment of potential groundwater impacts associated with dewatering and infiltration
- Evaluation of water quality and hydrology issues on brownfield redevelopment sites

Geosyntec consultants

SURFACE & STORMWATER MANAGEMENT

Geosyntec is an Industry Leader in Innovative Stormwater Design and BMPs

- Address challenging site constraints with expert knowledge and innovative approaches in construction BMP requirements
- Utilize a deep understanding of complex hydrology for proper design, construction, and performance of Low Impact Development (LID)
- Tailor stormwater quality treatment processes to specific pollutants of concern
- Provide NPDES permit compliance and programmatic support
- Perform state-of-the-practice research in the design and performance of advanced stormwater BMPs
- Author numerous guidance manuals on post-construction BMPs for new and redevelopment projects

WATERSHED AND STORMWATER PLANNING & MANAGEMENT

Geosyntec provides specialized stormwater and watershed management services to public and private sector clients throughout the United States. We apply the latest proven approaches and technologies to develop structural and nonstructural approaches to protect and improve receiving water quality. Our stormwater management specialists form one of the leading practices in the country and include individuals whose applied research received the American Society of Civil Engineers Civil Engineering State-of-the-Art Award and other state and regional awards.

Managers in watershed districts, cities, and counties face a multitude of issues related to surface water (quality, flooding and low flow); groundwater (quality, availability, and baseflow); ecological function (improvement, restoration, and maintenance); and the desire for resilient and thriving communities. Geosyntec recognizes that these issues are exacerbated and made more difficult to manage in the face of expanding development and climate impacts. Our clients rely on us to provide experienced professionals to help them protect and restore their watersheds and to provide innovative solutions for the challenges facing our watersheds, rivers, lakes, and oceans.

URBAN STORMWATER MANAGEMENT SERVICES

We help our clients address complex water resource challenges to promote infrastructure resilience, mitigate flooding, and improve water quality in urban areas. To do this, we plan, develop, and implement innovative solutions that focus on both gray and green infrastructure.

Geosyntec's engineers and scientists stand among the world's foremost experts in urban stormwater management and are innovators in the design of best management practices (BMPs) that mitigate impacts to surface water quality, enhance water conservation strategies, and even contribute to municipal water supplies.

NPDES PERMITS & POLLUTION CONTROL

Geosyntec experts have authored numerous guidance manuals on post-construction stormwater BMPs for new and redevelopment projects. We tailor stormwater quality treatment to specific pollutants of concern and have extensive experience providing NPDES permit compliance and programmatic support to our clients.

For more information
geosyntec.com/markets/water/watershed-planning-and-stormwater-management