



# project services case study

Six Flags St. Louis  
Eureka, MI

The conceptual design, engineering and construction of Hurricane Harbor was completed in less than 10 months. This 12-acre Tahitian themed waterpark was designed and built by the in-house staff of Aquatic Development Group, Inc. Hurricane Harbor is an addition to the existing Six Flags Theme Park and is the single largest capital improvement in the park's history.

The water features include a 30,000 sq/ft Wave Pool with a WaveTek® SurferWave® system, capable of producing five different wave patterns and creating rolling waves of up to four feet. A 60-foot-tall by 160-foot wide volcano has been constructed as the backdrop for the pool. Water cascades down its front and "steam" erupts from its top.

A 130 lf, 30 inch deep Adventure River has two zero-depth entries. The rock-scaped river meanders along a heavily landscaped shore and incorporates rolling waves, waterfalls and geysers.

A 15,000 sq/ft family activity lagoon features a large interactive tree house complete with a dumping bucket, 75 water gadgets and 4 children's slides. A pirate ship is also located in the lagoon for small children and parents to enjoy.

Three major towers make up the slide package, which consists of four inner tube rides, three speed slides, and a six person raft ride.

ADG designed and built the themed support buildings. The food building houses a captains bridge off an actual riverboat on its roof, while other buildings feature thatched roofs and bamboo siding. In keeping with the Tahitian theme, sandy beach lounge areas are located around the site.

Eight Whitten® HVS High-Rate Vacuum Sand Filters, with a flow rate of 22,500 gpm, filter all water attractions in the park.



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