

Years of Experience

15 Total
3 With Firm

Professional Experience

Florida Department of Environmental Protection,
Northeast District
Jacksonville, Florida
Water Facilities Engineer
(1996 – 2000)

North Beach Engineering, Inc.
Jacksonville, Florida
Project Manager
(2000 – 2005)

Dyer, Riddle, Mills, & Precourt, Inc.
Jacksonville, Florida
Senior Project Manager
(2005 – 2008)

WET Engineering Inc.
Jacksonville, Florida
Principal
(2009 – Present)

Education

Master's of Science in Environmental Engineering, University of Central Florida, 2000

Bachelor's of Science in Environmental Engineering, University of Florida, 1996

Professional Affiliation

Int'l Association of Amusement Parks and Attractions

World Waterpark Association

Heather W. Baxter, P.E. is a Professional Engineer and Principal at WET Engineering, Inc. in Jacksonville. Ms. Baxter's project management and design experience over the past fifteen years includes aquatic design, permitting, master planning, and construction administration for a variety of commercial pools, resorts, waterparks, and municipal complexes. Ms. Baxter has worked on aquatic projects throughout the county and she is licensed as professional engineer in over fifteen states.

Project Experience

Michigan's Adventure, Muskegon, Michigan: Engineer responsible for the aquatics design and permitting through the State of Michigan for the Beach Party Addition, which included a 10,000 square foot splash deck and Whitewater Rain Fortress ©. The new play structure and spray deck replaced the existing kids play area and lagoon. Project elements included the creation of demolition plans for the existing kids play area, evaluating treatment capacity, providing hydraulic design for the new feature and recirculation pumps, deck grading and drainage, and all necessary piping to transport drain and feed water to and from the structure.

Orbison Park, Vernon, Texas: Provided the aquatics design for a 7,500 square foot municipal outdoor aquatic facility. The aquatic facility included one common body of water with the following elements: zero entry activity area with children's slides, river, lap pool with one meter diving board and bowl, two slides with landing area, and basketball and volleyball stations. The project included treatment, hydraulic, and plumbing design. In addition, specifications were created to assist in the public bidding of the aquatic facility's construction.

Splash Lagoon, Erie, Pennsylvania: Project Manager responsible for the design and permitting of the 8,500 square foot wave pool and treatment systems for this indoor water park expansion. The treatment system included disinfection with an electrolytic generation system ("salt system").

Splash Universe, Dundee, Michigan: This indoor water park required aquatics design and permitting through the State of Michigan for the water features and treatment systems. Water elements included a 380 foot slow river with a 370 square foot family lagoon, 800 square foot splash pool with two Whitewater tube slides, 4200 square foot activity splash pad with a Whitewater AP-1050 play structure, 960 square foot tot pool with interactive features and slide, and 260 square foot spa.

Waterscapes, Fort Walton Beach, Florida: Provided design, permitting, and construction administration for the aquatic elements at this high end beach front resort. Attractions included a 1320 square foot activity pool with interactive water features and slides, one 2185 square foot adult pool, 6,720 square foot lower pool with interactive water features and a 1750 gpm water fall, 375 foot long slow river with interactive water features and a waterfall, and two spas. The adult pool and activity pool are supported on top of a garage building. Project required coordination between a team including the architect, landscape architect, general contractor, and pool contractor.

Cedar Point, Sandusky, Ohio: Provided the treatment system design for the reflecting pool under the Ocean Motion thrill ride.

Wet 'n Wild, Orlando, Florida: Provided the design and permitting services for the ProSlide Tornado[®] water slide and ProSplash runout structure. The design included working within a limited space, evaluating the existing slow fiver treatment system and making modifications to the river to accommodate the slide hydraulics and treatment.

Big Kahuna's, Destin, Florida: Project included the design and permitting for treatment system supporting the Flow Rider 2000 by Aquatic Development Inc. The project included coordination with the ride manufacturer and owner and with the Florida Department of Health.

Laketown Wharf, Panama City Beach, Florida: The project included the design, permitting, and construction administration services for the aquatic amenities at this high end beach front vacation resort. Attractions included a 2,320 square foot upper pool with water fall, a 6,118 square foot lower pool deck jets and interactive water features, 2,110 square foot adult pool with deck jets and bubblers, 300 square foot spa, 2,077 square foot activity pool with interactive water features and slides, two reflecting pools with waterfalls, and two entry fountains. The adult pool, spa, and activity pools are supported on top of parking garages.

Splash Universe, Shipshewana, Indiana: This project included the design and permitting of the water features and treatment systems for the aquatic amenities in this indoor water park. Water elements included a 380 foot slow river with a 370 square foot family lagoon, two ProSlide tube slides with ProSplash runout, 4200 square foot activity splash pad with a Whitewater AP-1050 play structure, 960 square foot tot pool with interactive features and slide, and 260 square foot spa.

Nashville Wave Country, Nashville, Tennessee: Provided design and permitting services for the addition of two ProSlide speed slides with runouts. The project included the design of slide drains, collection pumps, and treatment system for the thrill slides.

Visionland, Bessemer, Alabama: The project included the design and permitting of the wave pool and body slide addition to this existing amusement park. The 20,800 steel wall wave pool with sandy beach entry and 234 foot body slide with runout required the design of a treatment and water supply system.

Thunder Lagoon, Fenwick Island, Delaware: Project Manager responsible for designing and permitting a 400 ft slow river. The project included the design and permitting for the river, to include the accelerator pumps, treatment system, decking and master planning.

Beech Bend, Bowling Green, Bowling Green, Kentucky: Project Manager responsible for the design and permitting services for the pools and treatment systems for a 3,000 square foot activity pool with an interactive SCS play structure and a 1,440 square foot plunge pool with three raft slides.

Grand Oasis, Omaha, Nebraska: Provided design services for the water features and treatment systems for this proposed indoor waterpark. Water elements included a 358 foot slow river, 593 square foot activity pool for sport play, 2,818 square foot spray deck with a Whitewater AP-350 and kiddie slides, and two 100 square foot spas.