



CITY OF DENTON CASE STUDY



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OPTIMIZING SAFETY AND OPERATIONS

IN AQUATIC FACILITIES WITH HYDROAPPS INTEGRATION

BACKGROUND

The Denton Waterworks Park, established in 2003, recently underwent a significant renovation with a focus on the completion of a wave pool project. Funded by bonds and opened in July 2017, the wave pool introduced a unique amenity that catered to the public's demand. The facility management aimed to leverage technology for operational efficiency and safety monitoring.

OPERATIONAL CHALLENGES

During the construction phase, the team discovered a state-of-the-art wave generation machine capable of producing eight different types of waves. However, finding comparable equipment in other organizations was challenging. This led to the decision to transition from paper documentation to a digital system, HydroApps. The transition faced initial trust issues, resulting in both paper and digital incident reports for every rescue during the first summer of operation. This dual-reporting process temporarily slowed down operations but served as a trial period for HydroApps.

DATA-DRIVE OPERATIONAL ADJUSTMENTS

At the end of the first season, data analysis revealed a concentration of incidents in a specific area of the wave pool, primarily involving individuals on tubes. This information empowered the risk management department with quantitative data, leading to operational adjustments for the following season.

By removing tubes from the high-risk area while still offering the popular high-intensity waves, the facility successfully reduced incidents to primarily walkouts. This demonstrated the effectiveness of data-driven decision-making in improving overall functionality and safety.

Why HydroApps?

HydroApps was chosen for its customizability, allowing the team to build out operational strategies tailored to Denton Waterworks Park. The software was configured to track and analyze data for every area prone to injuries or accidents, including specific lifeguard stands.

By investing more upfront to ensure HydroApps was finely tuned to the park's requirements, the management aimed to gain insights into the severity and frequency of incidents, identify trends, and predict potential risks.





Training and Preparedness

HydroApps facilitated targeted training for lifeguard teams by identifying high-risk stands and specific wave types. The ability to pinpoint potential areas of concern allowed for focused drills and preparedness training. This proactive approach proved crucial, especially for new staff members who could be hesitant during their initial rescues.

How would you train if your guards had a 74% chance of going off the stand?

Streamlining and Compliance

HydroApps significantly enhanced efficiency in compliance documentation. For incidents such as fecal or vomit contamination, the software streamlined the reporting process. Incident reports were automatically sent to the health department upon submission, eliminating the need for traditional methods like faxing or mailing.

Outcome

The integration of HydroApps at Denton Waterworks Park resulted in a more efficient and data-driven approach to safety management. The facility achieved a reduction in incidents, improved lifeguard preparedness, and streamlined compliance reporting. The success of this case study underscores the importance of leveraging technology to enhance both safety and operational efficiency in aquatic facilities.

**PLAY NOW**

Watch Monica's Interview [Here](#)

Monica Martin, a Parks and Recreation Manager for 23 years, excels in employee training, recruitment, and leadership development, overseeing 200+ staff. Her expertise in Facility Operations, Master Planning, Budgeting, Public Speaking, Risk Assessment, and more, contributes to the success of programs. Monica's commitment to employee development and strategic planning ensures efficient fund allocation for the growth and maintenance of park and recreational facilities, enhancing community and social services.

Revolutionize the way you manage your aquatic facility today! Learn more at

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