



# Pool Water Quality at U.S. Swim Team Trials in Expert Hands with Pulsar® Feeders

## Delivering in HD

When water quality is broadcast live in high definition on network television, it must be nothing short of perfect. That's why Brian Spear, president of Spear Corporation, will be using **Pulsar®** Feeders to provide precision water treatment for the United States Swim Team Trials.

Two 50-meter, 10-lane temporary swimming pools will be constructed at CenturyLink Center in Omaha, Nebraska, to accommodate the trials. Spear Corporation is in charge of all piping and mechanical systems related to the Olympic-size pools, and has the responsibility of ensuring that water chemistry meets the highest quality standards, before, during, and after the events.



## High-Profile Projects

For Spear Corporation, working on this sort of high-profile swimming event is nothing new. In fact, the company successfully managed the pools for the 2012 U.S. Swim Team Trials. At those trials, 164,000 fans attended the competition over an eight-day period, and the events were broadcast live nightly on network television.

The company also provided water treatment solutions for the Invictus Games in Orlando, Florida, where wounded servicemen and women competed.

## Challenge - Perfection Under Pressure

During events of this magnitude, the organizers, athletes, and fans expect that the water will be pristine at all times. With high-definition cameras following swimmers underwater, viewers will notice right away if the quality is not perfect.

But perfection in water quality can be challenging. The 970,000-gallon warm-up pool and 850,000-gallon competition pool will be in constant use. The thrashing of the water and the perspiration of the athletes will require continuous chlorination to maintain an appropriate chlorine residual.

In cases like these, everything must go right. All mechanical systems must work properly, safely and consistently.



## Solution - Pulsar® Feeders Provide Reliability

With **Pulsar**® Feeders, Spear has found that exceptional water quality is easy to achieve. "With other systems, water chemistry can fluctuate, making it difficult to manage," says Spear. "The **Pulsar**® Feeders have enough capacity and a unique delivery method, to eliminate dips in chlorine levels." Patented spray technology and high-capacity units enable the feeders to deliver a consistent high-strength solution of two percent available chlorine on demand, reducing variations in chlorine concentration in the pools.

The **Pulsar**® Feeders chlorinate, treat organics, control metals, boost hardness, and provide shock treatments, all in one simple process. Water from the pool enters the chlorinator, where a spray manifold distributes the water onto the **Pulsar**® Plus Briquettes, creating a chlorinated solution. The chlorinated solution then falls into the discharge tank and is released into the pool recirculation system.

The feeders use **Pulsar**® Plus Briquettes, which require less storage space, and are easier to transport and handle than liquid bleach. "With the numbers of spectators and athletes at the venue, and the importance of the event, we don't want to have a lot of chemical storage on site," says Spear. "And automated wash down of the feeders between

uses translates to decreased maintenance and increased reliability, enabling us to focus on other things."

## Results - Confidence When It Matters Most

Spear Corporation has earned a reputation as the leading commercial swimming pool firm in the Midwest, as a result of its track record of excellence. For the past 24 years, Spear Corporation has relied on **Pulsar**® Systems when quality and reliability are not just a priority, but a necessity. Spear will have a lot of things to worry about while preparing for the trials – but thanks to **Pulsar**® Systems, water quality will not be one of them.

When elite swimmers from around the country arrive in Nebraska with hopes of representing Team USA in Rio de Janeiro, they can be confident that the water in the pools will be clean and comfortable. When his reputation is on the line, he would not take a chance with any other system. "On high-profile projects like these, we trust **Pulsar**® Systems... 100 percent of the time," says Spear.



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