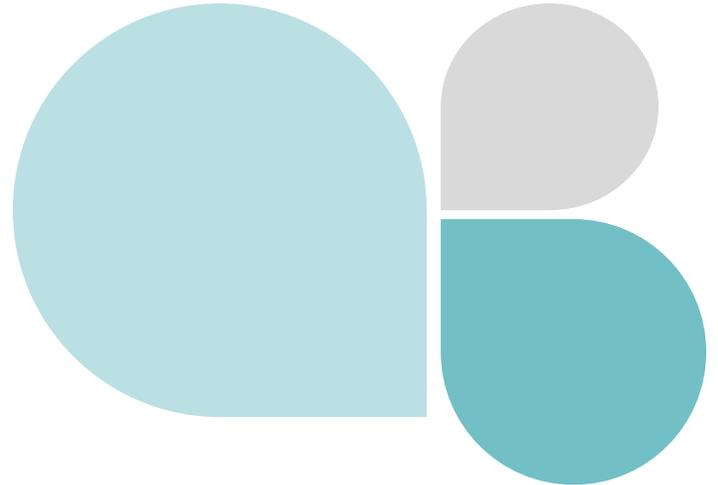


Headworks® Fine Screens: The Solution to Any Screenings Challenge

When consultant Burgess & Niple's David Shank was approached by the engineer of Sanitation District No. 1 of Northern Kentucky regarding their pump-faulting problem at the Patton Street Pump Station, Mr. Shank knew there was only one direction to turn in order to find the perfect solution.

The combined storm water and sanitary sewer pumping station presented a difficult problem during high flow periods when limbs, leaves and other types of debris would cause blockage and result in major pump faulting. Previously in place was a manual bar rack placed 35' below ground in a hazardous area, which had to be manually cleaned in a very confined space. This posed unsafe and unsanitary working conditions for operations personnel.

Sanitation District No. 1 decided to upgrade the facility, making it a safer working environment and protecting the pumping station. However, there was one minor problem: how and where to install the fine screen the engineer was seeking. The pumping station is located underground beneath a parking lot. This, combined with being surrounded by a public street, a flood levy and a private residence, left consultant David Shank only one option. His vision of meeting the needs of "the project with no site" included the Headworks® Bar Screen. "The screen's footprint was compact, could be installed in a true vertical position, and could be completely submerged," stated Mr. Shank (19 November 2004).



The completely below grade installation made the stainless steel framework vital. With the operating floor 25' below ground level and the sewer 10' below that, together with the other impediments surrounding the pumping station, there was absolutely no physical space on which to build a screen.

The custom-made Headworks® Bar Screen installed in front of the Patton Street Pumping Station solved the seemingly impossible problem. "The district is very happy with the design and the installation of the screen," remarks Mr. Shank. The pump faulting has been reduced at least 80%, and the facility is a safer and sanitary working environment for operations personnel.

Headworks® proves to continue to be the only solution to the toughest screenings challenges. The unique technology will continue to prevail as the market leader as Headworks' Team continues to innovate.