

A Pioneer in the Check Valve Industry

In 1984, the United States Environmental Protection Agency (EPA) commissioned Tideflex® Technologies to develop and test an alternative to flapgate valves. In their report, *Development and Evaluation of a Rubber "Duck Bill" Tide Gate*, the EPA states, "Increasing the reliability and performance of tidegates has a beneficial impact on the general pollution abatement program for the nation's waterways."

In response, the elastomer "duckbill" Tideflex® Check Valve was developed to eliminate the operational and maintenance problems associated with flapgate check valves, including corrosion of mechanical parts, freezing open or shut, warping and clogging due to entrapped debris.



Problem



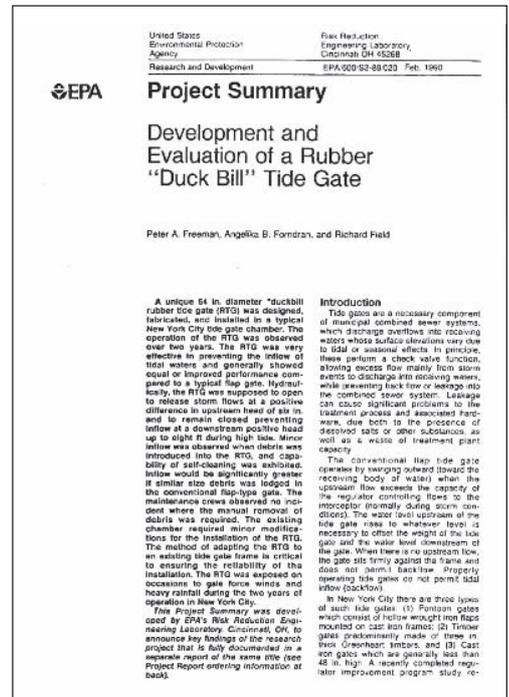
Solution

The EPA rigorously tested the Tideflex® Check Valve for two years and found that the valve showed, "Significant improvement over flapgate valves in terms of leakage inflow, entrapment of debris, capability to self clean and susceptibility to marine fouling."

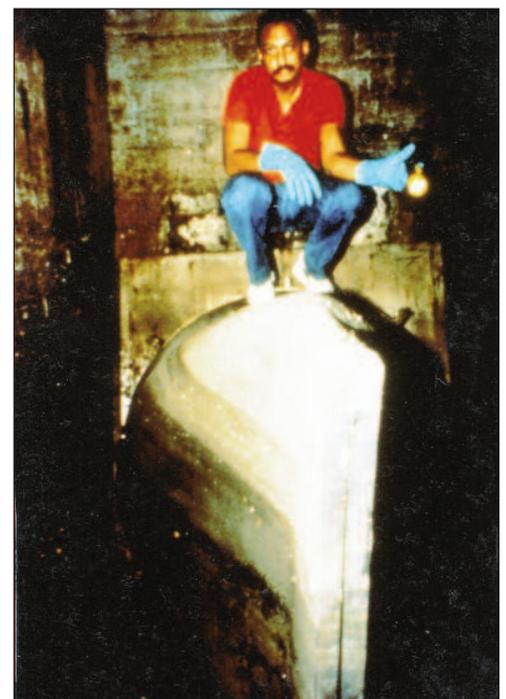
Richard Field, United States EPA, stated the following in regard to the development of the Tideflex® Check Valve:

"Tide water intrusion is costing the United States multi-millions of dollars because it is water that really doesn't have to be treated that intrudes into the sewer system and treatment plants. In the long run, there will be a lot of money saved for the minor investment that we made here."

Since its creation in 1984, years of research and development, testing and proven performance have combined to make the Tideflex® Check Valve today's most reliable valve for backflow prevention. In fact, the first check valve that Tideflex® Technologies sold in 1984 is still in service today. Currently, over 600,000 Tideflex® Check Valves are solving inflow and intrusion problems around the world.



The EPA report, stating the benefits of Tideflex® Check Valves.



Twenty-six years later, the original 54" Tideflex® Check Valve (as shown above) is still in operation.