

# THE PIPELINE



## Their Water Smells like Diesel Fuel!

*Worst-case scenario in Eastern Kentucky  
may be happening in other parts of the country*



*Martin County residents fear their tap water, above federal limits in [trihalomethanes](#) and [haloacetic acids](#) until recently, may be causing cancer.*

Eastern Kentucky has some of the highest levels of cancer in the country due to smoking and obesity, but residents also wonder whether their water is to blame. Contaminants that were a reaction between the chlorine used to treat the water and organic matter in the water or the pipes exceeded federal limits until changes were made in recent months.

Many residents don't trust what comes out of the tap, which is often brown and smelly. Sometimes it looks like blue Gatorade. "You're afraid to wash your hands if you've got a cut," says Martin County resident BarbiAnn Maynard. Taking a shower is no better. "I don't feel like I'm getting clean."

More than half of the water that leaves the Martin County Water District treatment center doesn't make it to the faucet. Because of the leakage, the Water District hasn't been able to flush the water lines clean in years. There also are upgrades to the treatment facilities, pumps and meters that need to be made.

What's happened in Martin County may be happening in other places, said Lindell Ormsbee, director of the Kentucky Water Resources Research Institute at the University of Kentucky.

Read the whole article [here](#).

HydraTech engineered products are helping water utilities repair aging pipes for a fraction of the cost of replacement. Learn more at [HydraTech's website](#).

There are

**1 million miles**  
of **DRINKING WATER PIPES**  
across the country

An estimated

**240,000 water**  
**main BREAKS**  
occur each year

ASCE's 2017 Drinking Water Report Card estimates that leaky, aging pipes are wasting 14 to 18% of each day's treated water; the amount of clean drinking water lost every day could support 15 million households.

Read the whole [Drinking Water Report Card](#).

**Our Large Seals Inventory Means**

## a Quick Turnaround for You



*At HydraTech, we are committed to serving current and future customers as quickly as possible. That's why we keep a large inventory of our most common seal sizes. When emergencies occur, call us for a fast, cost-effective solution.*

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## Case Study

*Excerpted from an article by Lee Haessig of Cretex Specialty Products (a HydraTech distributor), featured in Trenchless Technology, May 2018*

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### **HydraTite Provides Solution to Long-Standing Issues in Large Diameter RCP Storm Sewer**

A City in the Midwestern Corn Belt installed a new 84-in. Reinforced Concrete Pipe (RCP) storm sewer collection system in the early 1990s to provide relief from flooding.

The pipe was designed to be watertight and provide many years of service, but almost immediately began to show signs of infiltration and exfiltration through the joints. It became apparent that there had been problems during installation and the

joints. It became apparent that there had been problems during installation and the city now was faced with finding a solution to seal approximately 230 joints.

## Trial Installation

Traditional repair methods such as excavation, were not an economical option, so the City researched a variety of trenchless methods to make repairs from inside the pipe, including chemical grout, cured-in-place pipe (CIPP) and mechanical internal joint seals.

In 2010, the city decided to do a trial installation of the HydraTite Internal Joint Seal System. Two 84-in. HydraTite seals were furnished and installed by Cretex Specialty Products, a distributor of manhole and pipe joint sealing technologies in Waukesha, Wisconsin. After approximately six years of successful service on the two trial seals, the city hired a consulting engineer to design, bid and construct the repairs utilizing HydraTite.

Since the project was completed in April 2017, the area has not experienced any infiltration or exfiltration problems previously found.



Technicians verified a proper surface for a seal to cover each joint, and made repairs where necessary. After sealing, each joint was air tested for leakage and inspected by the engineering firm. Although there were some weather delays, the eight-week project was still completed on time.

Read the whole case study [here](#).





**In the United States, over 650 million long-distance summer trips are made annually.**



**The top 5 most popular vacations:**

- 1) beach/ocean (45%)**
- 2) famous city (42%)**
- 3) national park (21%)**
- 4) lake (17%)**
- 5) resort (14%)**



**Watermelon is part of the cucumber, pumpkin and squash family, and consists of 92% water. On average, Americans consume 15 pounds of watermelon each every year.**



**Popsicles were accidentally invented by an 11-year-old boy in San Francisco in 1905. He left a glass of soda sitting outside and by the next morning the soda had frozen. He began selling his frozen-treat-on-a-stick at an amusement park in New Jersey. In the U.S., cherry is the Number 1 flavor.**

**HydraTech solutions save time and money. Contact HydraTech at  
(513)827-9169 or [info@hydratechllc.com](mailto:info@hydratechllc.com) for more information.**

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