

Case #TX-2016-01 (Eclipse #9800WC Automatic Flushing Application)

City of Dallas Water Utilities Dallas, TX

Challenge

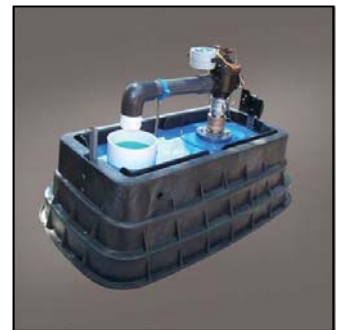
Advantages of Using Automatic Flushing:

- Flushes less water, more often to maintain safe disinfectant residual levels
- Removes aging water on a consistent basis before disinfection byproducts (DBPs) begin to form
- Cuts total flushed water up to 50% compared to flushing fire hydrants

Maintaining safe residuals and removing old water before disinfection byproducts (DBPs) can form can be a challenge for Randy Payton, Assistant Director for the City of Dallas Water Utilities. Having nearly 3,000 dead-ends within their 4,926 linear mile system, the City of Dallas was looking for effective solutions on

how to comply with the Texas state regulations that require dead-end pipelines to be flushed on a monthly basis.

Additionally, the City of Dallas Water Utilities uses chloramines for its residual disinfectant; coupled with the heat that this region experiences, many of these dead-ends need to be



flushed on a more frequent basis to maintain residuals, manage water age and control nitrification.

Solution

Working with the experts at Kupferle, the City of Dallas implemented an efficient strategy of installing Eclipse #9800WC Automatic Flushing Stations on dead-end mains in order to turn these pipes on a programmed regular basis.

The Eclipse #9800WC Automatic Flushing Station taps directly to the main and can be programmed to open a solenoid operated diaphragm valve in order to flush less water, more often. This enables the City of Dallas the ability to automatically flush to maintain

consistently safe residual levels and remove any aging water before disinfection byproducts can begin to form without having to send an operator out to open and close a hydrant on a frequent basis.

Automatic Flushing Information

www.hydrants.com

800-231-3990

info@hydrants.com

www.youtube.com/kupferle1857



Automatic Flushing Stations are easy to install and use; they operate off of a 9-volt battery

“Eclipse #9800...has not only allowed the utility to effectively manage water quality but it has produced efficiencies within its program ”



Kupferle’s Automatic Flushing Stations have been categorically approved by the EPA as a water conservation device for its Green Project Reserve Funding Program

Results

The installation of 290+ Eclipse #9800 Automatic Flushing Stations within Dallas’ system has not only allowed the utility to effectively manage water quality but it has produced efficiencies within its program continue to result in fuel cost savings and reduction of the utilities carbon foot print. operators in the field and allowing them to focus on other critical needs or mandated activities relative to water delivery. These benefits

Case Study Information

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Kupferle Automatic Flushing Stations

Eclipse #9700 Series



Eclipse #9400 Series



Eclipse #9800 Series

