


DC Water Presents:

Containment vs Isolation

Protecting DC Water's Infrastructure



OVERVIEW




- Introduction
- Water in a unique city with a unique history
- DC Water Today
- The Compliance Program
- Containment
- Isolation
- How we handle Backflow Prevention
- Conclusion

DC WATER: HISTORY

Began in 1859 as the District of Columbia Water Board

The Water and sewer system went through various title changes as part of the City of DC until April 18th 1996. Congress authorized "The Water and Sewer Authority Establishment and Department of Public Works Reorganization Act of 1996", making DC Water an Independent Authority within the city.

This freed DC Waters finances as to no longer be tied to the City Districts Budget. DC Water began to make vital changes for the organization, but more importantly, for its customers. With this financial freedom, DC Water a non profit organization, is investing in new technologies and its workforce.

DC WATER WHO WE ARE TODAY

US Army Corps of Engineers

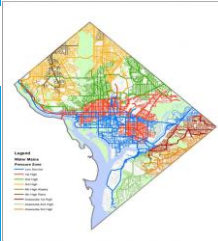

99 MILLION GALLONS OF WATER PUMPED EVERYDAY

681 THOUSAND RESIDENTIAL CUSTOMERS

725 SQ. MILES OF TOTAL SERVICE AREA

80 YEARS AVERAGE AGE OF WATER MAINS

LEAD FREE DC

COMPLIANCE PROGRAM- UNIQUE CHALLENGES



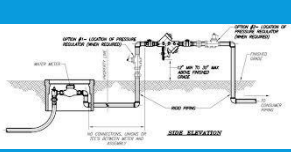

CROSS CONNECTION CONTROL IN DC

- Compliance Program
- Today
- More than Cross Connection Control
- Innovation
- Water Quality
- Compliance Ratio





CONTAINMENT PROGRAM



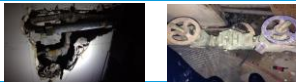
CONTAINMENT PROGRAM-

Backflow Preventer on water service connection

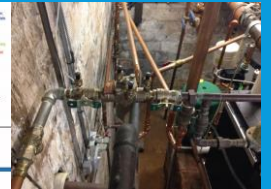
- The Pros (compared to other programs)
 - Less expensive
 - Less resources
 - Less labor
 - Less time
 - Less backflow preventers tracked
- The Cons
 - More risk of contamination and pollution
 - No protection for internal water
 - Less opportunity to educate the customer



CONTAINMENT



ISOLATION PROGRAM



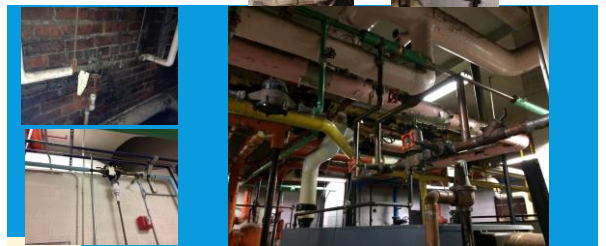
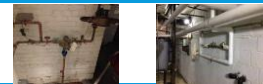
ISOLATION PROGRAM

Backflow Preventer on water supply lines

- Pros
 - Less risk of contamination
 - Protection for internal water
 - Better opportunity to educate the customer
 - More backflow preventers tracked
- Cons
 - More expensive
 - More resources
 - More labor
 - More time



ISOLATION



DC WATER'S SOLUTION

- Hybrid Program
- EPA Oversight
- Unique Culture
- Very active Outreach
- Codes and Regs
- Leveraging Tech



COMPLIANCE PROGRAM- UNIQUE CHALLENGES



COMPLIANCE PROGRAM- HOPEFUL SOLUTION

Public outreach effects public perception.



PUBLIC OUTREACH EFFECTS PUBLIC PERCEPTION



Questions



Thank You from the
 Compliance Program Team

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