

Spotlight On

WATER CONSERVATION

HDPE PIPE – SAVING CITY RESOURCES & BUDGETS

MAYORS AND MUNICIPALITIES are keenly aware of impending water-related disasters. They expect them to occur every day in their cities. Water-use restrictions must often be implemented; and efforts to monitor and impose regulations are costly. Our nations water systems are failing and water resources are being compromised at an alarming pace. Water main breaks pop up regularly and flooding puts citizens in harm's way. Yet, we continue doing things the same way while expecting different results – isn't that the definition of insanity? It's time to implement smarter, "greener," more sustainable solutions.

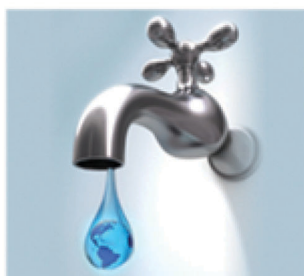
Degrading pipe lines that get patched up using traditional materials simply delay real resolution of the predicament. Moreover, a lack of regulation for leakage in pipe systems allows utilities to accept and anticipate a 10 to 15 percent rate of water loss as normal business practice for newly installed potable and storm water systems. A better answer exists now that can eliminate this

water depletion and save expenses.

Cities that tackle water challenges by installing high-density polyethylene (HDPE) pipe systems can eradicate water leakage altogether. By specifying HDPE fused pipe systems, billions of gallons of water can be saved, and so can the dollars spent to collect, treat, store and distribute it to constituents. HDPE pressure pipe systems have a zero-leak rate due to the heat fusion process of components which produces a continuous flow, monolithic pipe system. Plus, they won't rust and have superior abrasion resistance. This means precious natural resources are saved and so are city budget dollars that are currently floating away.

By applying installation methods that used trenchless technology, the stamping out of this water loss can be achieved with minimal disruption to the ongoing daily routine of city streets. And

HDPE materials are lightweight, requiring less fuel to transport to job sites, less manpower and equipment to



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(continued from front)

put them in the ground, and offer great economic advantages.

HDPE pipe systems provide innovative solutions that are available now, and are fast and easy to deliver. Using HDPE pipe systems can accomplish reliable performance, stop much of the calamity from breakage and yield fiscal gains in cities throughout our nation. HDPE pipe systems can prevent widespread water system emergencies and reclaim water, energy and budget dollars.

STORM WATER MANAGEMENT FOR GROWING CITIES

Another factor in ensuring water conservation while engineering smarter cities is the application of adequate storm drainage and water recycling systems. As cities expand, corrugated plastic pipe systems can address storm drainage needs without having to allocate precious land for traditional retention ponds. Instead of using retention ponds, and having to worry about safety and other environmental issues, putting containment systems underground – below buildings, parking lots or shopping centers – maximizes every acre of land. And, plastic pipe storm water retention / detention systems are designed to minimize chances for flooding during heavy rain events. By redirecting water, controlling flow and managing groundwater release, they enhance the ability of existing sewers, ditches and other channels to operate within their capacities. A custom-engineered plastic pipe storm water system, manufactured with exact pipe segments and fittings ahead of excavation, makes installation fast and highly cost-effective. Innovative use of a small space can deliver huge, long-term monetary savings and significant water conservation capacities.



Corrugated plastic pipe helps municipalities meet the strict water quality requirements of the National Pollution Discharge Elimination System (NPDES) under the Clean Water Act.

HDPE PIPE FOR SUSTAINABILITY

Plastic piping systems are a sustainable and environmentally responsible choice that will serve generations to come. They are energy efficient during manufacturing and provide peak protection from contamination during service. Strong, durable, light-weight and flexible, these piping systems require significantly less energy to fabricate, transport and install than metal or concrete alternatives. With superior resistance to rust and abrasion, plastic piping systems also supply long service life, excellent joint performance and offer leak-free protection - all adding up to exceptional value.

Using HDPE pipe for resources and sewer systems conserves water, reduces possibilities for contamination, saves budget dollars and diminishes the carbon footprint during installation processes of pipe systems – heroic achievements, indeed, for mayors and city personnel dedicated to building a better quality of life for their citizens.

