KEEP FLUSHING WITHOUT WASTING WATER

AWWA MEMBER

CHRIS **WILKINSON**
PRESIDENT

📞 (559) 799-8415
🌐 www.no-des.com
✉️ wilkinson@no-des.com

NO-DES WATER CONSERVATION

NO-DES INC.

Neutral Output Disharge Elimination System

Municipal Water Main Cleaning, Flushing, Filtering and Conservation Technology

www.no-des.com

Contact:
Chris Wilkinson – President
Phone: (559) 799-8415
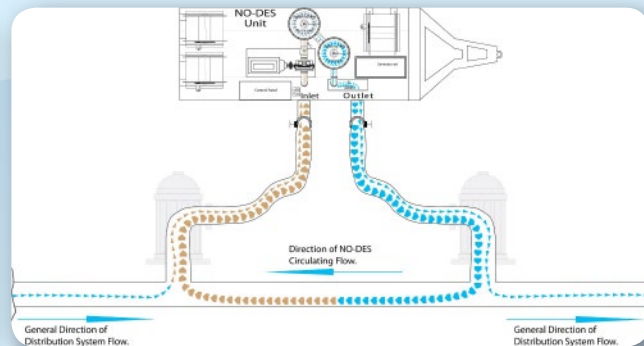E-mail: wilkinson@no-des.com

www.facebook.com/stophydrantflushing

LEADING BY EXAMPLE IN WATER CONSERVATION

THE NO-DES SYSTEM
Neutral Output Discharge Elimination System

The only water distribution system flushing method that improves water quality, eliminates NPDES issues, conserves water, energy and will pay for itself. This will increase customer confidence and establish you as a leader in the industry. The NO-DES method and process for flushing water distribution systems uses proven technology in an entirely new way. In doing so, NO-DES effectively eliminates the wasting of our most valuable and precious resource – water. Additionally, NPDES issues disappear and flushing costs are reduced! Instead of water flowing out of the fire hydrants and running to waste while your customers watch in horror and anger – the NO-DES unit filters and re-circulates the water inside the water distribution system to allow year round flushing without wasting precious distribution drinking water when doing so.

The Answer to Your Water Distribution System Flushing and Conservation Needs

The standard NO-DES unit can operate at up to 1700 gpm, based on the pump's maximum output, length of hose and main being flushed. This makes it possible to flush mains up to 14" in diameter at 3 ft./sec/ velocity and 12" mains at the typically desired 5 ft./sec/ velocity. The NO-DES unit utilizes two filter vessels containing 12 filter bags rated at 1 micron "absolute" of capability. With these 24 filters, the NO-DES patented system now allows you to capture and contain all biofilms and contaminants, providing nothing but polished water, now below 1 NTU of turbidity, back into your system without an ounce of water discharge or loss.

We offer four basic models:
The NO-DES Gooseneck trailer System, 200 psi max
The NO-DES Gooseneck trailer System, 275 psi max
The NO-DES Truck System, 200 psi max
The NO-DES Truck System, 275 psi max

HOW THE NO-DES SYSTEM WORKS
The NO-DES Method is Simple

1 EASY SET UP
A NO-DES unit with an onboard filtering system pulls up between two fire hydrants in a neighborhood where residents are starting to experience "dirty" water.

2 CONNECT
Operators run a 5 inch diameter fire hose from one hydrant to the filtering system's inlet point. They then run a duplicate hose to the second fire hydrant from the outlet point.

3 CREATE "LOOP"
Both fire hydrants are opened, filling the hoses and filters. This creates a temporary above ground loop in the water distribution system.

4 CIRCULATE
A large pump on the NO-DES unit then circulates water through the loop at the desired flushing velocity, typically 3-5 feet per second, 'stirring up' all the contaminants inside the water main.

5 FILTER & PURIFY
Essentially all contaminants and biofilms are removed as the water passes through the NO-DES extremely fine 24-chamber filtration process. If needed, a small amount of chlorine can be added to boost residual during the process.

6 SHUT DOWN
When the entire section of water main in the targeted flush zone has been filtered clean and all turbidity meters read below 1 NTU, the system is then shut down, hydrants are closed and hoses removed.

All truck and trailer units require a commercial license and all NO-DES units typically require two person crews to operate. You'll see improved water quality, increased disinfectant residuals and the conservation of two vital natural resources – water and the energy it took to produce Fland pump it. The NO-DES technology effectively removes bio-film, eliminates nitrification issues and can add chlorine into a chloraminated distribution system; which can also recombine with any existing free ammonia to re-establish your chloramine residuals. NO-DES will eliminate aged water complaints from dead ends without wasting water or damaging property.

SAY **NO** TO DIRTY WATER!