



Sustainability Performance Quality and Trust

3M™ Water Pipelines

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A European Cultural Capital Addresses Its Water Needs

Russia is home to a quarter of the world’s water resources. The Russian drinking water system is managed by 4,000 operators, mostly owned by municipal authorities known as “vodokanals” and must function in what can be an extremely harsh environment.

St Petersburg has set standards in architecture and city planning, right from the time of its foundation over 300 years ago. Now this city, home to approximately 5,000,000 people and the former capital of Russia, is playing a leading role in the field of drinking water treatment. It is implementing a program to increase the energy efficiency of the drinking water supply for its southern areas. For this purpose St. Petersburg has invested 2.6 billion rubles (around \$78 million) over a three year period¹.

Recently, MUP Vodokanal Saint Petersburg Municipal Water Utility faced the need to address some 24 inch (600 mm) steel pipe in one of its neighborhoods. Pipe corrosion and tuberculation led to water quality issues and two pipe breaks during the previous year. Plus, the utility wanted to add additional service connections to the pipe, so needed to improve its flow rate.



Twenty-four inch steel pipe in St. Petersburg, Russia, before and after lining with 3M™ Scotchkote™ Pipe Renewal Liner 2400.

A Global Leader

3M™ Scotchkote™ Pipe Renewal Liner 2400 has been installed in diverse countries, including:

- | | |
|------------------|-----------------|
| • Australia | • Spain |
| • Britain | • Malaysia |
| • Canada | • Mexico |
| • China | • Russia |
| • Czech Republic | • Scotland |
| • Italy | • United States |

Working with the 3M authorized applicator in Russia, InzhProektStroy (IPS), the Vodokanal cleaned and lined 3,280 feet (1,000 meters) of the 1970's era pipe. Using 3M™ Scotchkote™ Pipe Renewal Liner 2400, the utility met its goals. In addition, by applying three layers, for a total of 7 mm of lining, they also enhanced the structure of the pipes and reduced water loss through some pinholes, cracks and gaps.

In a country in which losses account for almost 50% of the overall water supply², every drop counts.

¹ Freyberg, Tom. "[Drinking Water Modernization: A New Russian Revolution?](#)," [WaterWorld](#).

² Ibid.

Visit <http://www.3M.com/water/renew> to:

- Download the Scotchkote Liner 2400 data sheet
- Review case studies
- Find an Authorized Applicator
- Contact us with questions or comments

Upcoming Events

Join the Water Environment Federation (WEF) and 3M on April 28th for “Addressing Mexico City’s Asbestos-cement Potable Water Pipes through Rehabilitation”, a WEF eShowcase webcast.



Go to [http://www.wef.org/AddressingMexicoCitysACPotableWaterPipes\(4-28-2016\)/](http://www.wef.org/AddressingMexicoCitysACPotableWaterPipes(4-28-2016)/) to register.

AWWA New York Section	Saratoga Springs, New York	April 12 – 14
Texas Water 2016 – Booth 1117	Fort Worth, Texas	April 19 – 22
Ontario Water Works Association Conference - Booth 537	Windsor, Ontario	May 1 - 4
Pennsylvania AWWA	Bethlehem, Pennsylvania	May 10 – 12
Arizona Water Association Annual Conference	Glendale, Arizona	May 11 – 13
Niagara Trenchless Technology Show Niagara Falls	Ontario	May 18 - 19
AWWA ACE 2016 – Booth 679	Chicago, Illinois	June 19 – 22

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Water Infrastructure Group

3M Center
Building 251
St. Paul, MN 55144
Phone: 888-745-4350
E-mail: water@mmm.com
www.3M.com/water/renew

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