



Town of Peace River Flood Control



Nilex's water inflated dam provides a rapidly deployed, temporary flood solution.

LOCATION:

Peace River, Alberta

PRODUCT:

Water Inflated Dams

PROJECT PARTNERS:

Owner

Town of Peace River

Contractor

Gross Venture

Completion Date

April 2014

The Pats Creek Culvert in the Town of Peace River, AB collapsed due to an overflow of water and debris. The downtown core was blocked off to residents after it quickly flooded with water.

Challenge

Parts of Peace River were evacuated as the downtown area continued to flood. The client required a temporary flood control solution that could be rapidly deployed to contain the water.

Solution

Nilex provided the client with water inflated barriers. The barriers incorporate twin chambers with an internal baffle in the middle of a single membrane. They are manufactured with high strength PVC fabrics designed to maximize puncture resistance, tensile and tear strength. The water inflated dam is inflated with water and seals surrounding ground conditions to ensure a stable dam of contained water that will not roll.

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Installation

After locating and removing any submerged debris that may have caused damage, seven (3 ft by 50 ft) water inflated barriers were simply rolled out and filled with water to quickly provide temporary flood control.



Results

Nilex's water inflated dam provided the client with a simple and effective solution. The water inflated dam's environmental impact is low and can be installed/removed at a fraction of the cost of conventional flood control methods such as earth berms and sandbags. Once a project has been completed, the water inflated dam can be drained and stored for future use.

The Nilex Advantage

Nilex is committed to unearthing better results. Whether it's for a civil, resource or environmental project, we offer the latest engineered and technically superior materials and techniques to save our customers time and money, and minimize the need to move or remove earth, and reduce the need for granular materials.

With over 40 years experience, a long-standing commitment to the environment and highly qualified staff, Nilex delivers the products and technologies that give clients an economic advantage with environmental benefit.