



CASE STUDY REPORT

Water Main Break in Calgary, Alberta

1 Day City of Calgary

NuWave Industries

The Issue

NuWave Was Called On Sunday June 16th To See If We Could Assist In Cutting The 90" Water Main Pipeline That Had Ruptured, Leaving Much Of The City Of Calgary Without Water. The Water Main Had Been Exposed By Crews And Was Sitting As An Open Pit In Right In The Heart Of A Busy, Urban Street In Downtown Calgary.

NuWave Industries

The Solution

Our Team Travelled To Calgary On Monday, June 17th To Have A Look At The Project And Determine If We Could Rig Up Tooling To Successfully Cut The Pipe. Our Crews Assessed And Then Called Back To The Office With The Requirements Needed To Manufacture A Tool That Would Be Able To Wrap Around The Pipe. The NuWave Waterjet Was Able To Be Fastened To The Pipe (#" In Diameter), Allowing It To Complete One Solid, Uninterrupted And Clean Cut. We Managed To Have The Tool-Built By Monday Evening And Got The Cutting Unit Ready To Travel Back Down To Calgary. Wednesday June 19th We Were On Site Ready To Start Cutting.

Doing The Cut With This Process Did Not Put Anyone In Harm's Way While Still Maintaining A Clean Line Of Site On The Cut, As Well There Was No Dust, Harmful Fumes And Minimal Noise. This Process Did Take A Bit Longer Than The Conventional Way But There Was No Down Time Due To Injuries Or Procedure Changes And There Would Have Been Less Time Cleanup/Prep Time On The Cut Area. Feedback We Received From The City Of Calgary Was All Positive.

Estimated Value Savings

Out of Harm's Way

Maintained A Clear Line-Of-Site On The Cut Without Having Any Personnel In The Hole Throughout The Cut Due To Remote Operation.

Eliminate Pollutants

No Dust, Fumes Or Sound Pollution When Compared To Saws And Torches.

Cleanliness in Urban Setting

Optimal Style Of Cutting In A Residential Or Business Location Due To Reduced Prep Time And Clean Up Time.





CASE STUDY REPORT

Water Main Break in Calgary, Alberta

1 Day City of Calgary

NuWave Industries

The Cut

Our Team Used A Modified Track Mounted Cutting Tool With A Custom Built Hinged Wrap-Around Band That Was Made Out Of 12"x1.8" Thick Flat Bar That Had Been Rolled. This Allowed For A Solid, Uninterrupted Cut Of The 9" Thick Pipe With A Diameter Of 90"

