NuWave Industries™

CASE STUDY REPORT

Cement Wall Door Cut on a 750bbl Tank

1 Day

NuWave Industries

The **Issue**

Client Needed To Cut A 30”X 30” Hole Into A Cement Wall To Create An Access Door. A Project Of This Nature Typically Takes At Least Two Days To Complete With A Concrete Chop Saw. The Traditional Chop Saw Method Requires Both Hot Work Permits And For The Entire Tank To Be Emptied, Cleaned Out And Proven To Have No LEL’s.

NuWave Industries

The **Solution**

NuWave Created A Custom Steel Frame That Allowed Us To Magnetically Mount Our Track-Cutter To The Vertical, Cement Wall. Once The Tool Was Mounted, It Was Easy Work To Make The Cut, And The Entire Project Took 4 Hours From Start To Finish. Waterjet Cutting Has No Ignition Points, So This Allowed Us To Perform The Cut Without Hot Work Permits And Without A Need For Emptying, Cleaning And Verifying The Absence Of LEL’s Before Commencing Work.

Estimated Value Savings

36 Hours FASTER

No Ignition Points Eliminates Labour For Emptying The Tank And Loss Of Equipment Operating At Full Capacity.

Financial Savings

Client Estimates That NuWave Reduced Costs For This Project By 50%

Improved Safety

While It May Be Difficult To Put A Dollar Figure To This Metric, All Personnel Were Kept Out Of The Line Of Fire, Out Of Pinch Points And Were Not Exposed To Ignition Points.

NuWave Industries™

CASE STUDY REPORT

Cement Wall Door Cut on a 750bbl Tank

1 Day

NuWave Industries

The **Cut**

For This Specialty Cut We Adapted Our Track Mounted Cutting Tool To Mount To A Cement Wall By Crafting A Custom Steel Frame. The Steel Frame Was Able To Be Bolted To The Cement Which Allowed The Track Mounted Waterjet Cutter To Be Suspended On The Wall, In-Place For The Cut. The Tool Is Then Remotely Operated From A Safe Distance That Keeps All Personnel Out Of The Line Of Fire And Clear Of Pinch Points.

The Concrete Wall Of The 750bbl Tank Was Approximately 4“ Deep And Was 30”X30”