CASE STUDY

ULTRA HIGH-PRESSURE HYDROBLASTING AND CUTTING

Vecta

vectaenvironmental.com

OVERVIEW

A major chemical plant had a tank that previously held a combustible chemical, making it too dangerous to torch cut. The plant needed to cut a hole in the tank to eliminate the risk of an explosion. Vecta's ultra high-pressure (UHP) water cutting solution was the perfect solution.

APPROACH

Vecta's team measured out the door sheet based on the customer's provided measurement of 12x12. The corners required radius cuts, which were completed first using a mini radius cutter. Next, a magnetic flat track was set up to cut the tracks, 4 feet at a time. An electric 12-volt system was used to attach to the magnetic track, and the cutting head was attached to a pump. An abrasive material was added to cut the carbon steel.

SUCCESS

Using water cutting eliminated the risk of an explosion and provided a smooth and precise cut. The tight space around pipes was no problem thanks to Vecta's automated equipment with remote control operations. The water cutting method worked considerably faster than traditional torch cutting or sand blasting.

"Vecta's UHP solution was the perfect solution for our problem. We needed to cut a hole in a tank that contained a combustible chemical, and their method eliminated the risk of an explosion."
- Chemical Plant Manager

RESULTS

Time Savings: The UHP method was considerably faster than traditional torch cutting or sand blasting, allowing the chemical plant to get back to regular operations quickly.

Safety: Vecta's UHP solution eliminated the risk of an explosion, providing a safe solution for the chemical plant.