

Preventing Costly Chemical Spills

Application Sheet # 31

REAL TIME BENEFIT

Save thousands in vacuum truck costs and prevent expensive chemical spills!

SITUATION

- A customer located in northern Alberta was using single wall chemical tanks, with a bathtub style containment.
- Many environmental regulations require the containment to hold 120% of tank capacity.
- Rainwater, ice and snow would fill the containment, dramatically reducing its ability to hold chemical and meet environmental regulations.
- As shown to the right (top picture), the tank is 80% full and the containment is also 80% full, and frozen, leaving little room for spilled chemical.
- If water in the containment is allowed to freeze the containment is useless for the entire winter.
- Chemical spills of less than 200 G can result in clean ups and fines exceeding \$150,000.



SOLUTION

- The customer installed Sirius' Nova™ tank with patented HardTopper™ as shown in the bottom picture, which prevents over 90% of precipitation from entering the containment.



RESULTS

- On average a Vacuum truck would be required twice per year. The customer was paying \$220 per hour and with travel it typically took a minimum of 2 hours per location. The HardTopper™ reduced disposal costs an estimated \$1000 per year.
- The risk of chemical spills, resulting clean up, and potential fines was drastically reduced.



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