

CHEMPOSITE® CASE HISTORY – Covers

CUSTOM FABRICATED COVERS

INDUSTRY: Wastewater Treatment

COMPANY: Maple Reinders

LOCATION: Kelowna, BC, Canada



PROJECT SCOPE & CHALLENGE:

The City of Kelowna has experienced rapid population growth in the last several years. The main wastewater treatment plant required a significant upgrade in order to meet the increased demand and due to its location in a dense urban area, eliminate unpleasant odours. Maple Reinders was the general contractor tasked with the project and Chemposite was selected from several potential FRP Fabricators, to provide the fiberglass Covers that capture the noxious and corrosive fumes.



'CHEMPOSITE' SOLUTION:

Chemposite designed and fabricated the Covers according to strict engineering parameters dictated by the project requirements. The Covers needed to be strong enough for maintenance workers to walk on and to resist the partial vacuum created by the ducting system that draws off the fumes to a Biofilter. The Biofilter then neutralizes the odour of the fumes, before releasing them to atmosphere.



The Covers were laminated by hand and incorporated ribs for structural rigidity. Large Hatches were also added to allow maintenance workers safe and easy access.

MATERIALS:

Fire Retardant resin with 3% Antimony Trioxide added to meet ASTM flame spread standards.

OUTCOME:

The attractive Covers have been installed resulting in an immediate improvement for the plant workers and the surrounding residential neighborhood.



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