CASE STUDY
Water and Wastewater

Fibergrate Composite Structures
Building the World to Last®

Project Specs

Location: Hamilton, Ontario, Canada
Application: Woodward Avenue Water Treatment Plant
Product: Dynaform® Structural Shapes

Overview

The Woodward Avenue Water Treatment Plant is a conventional secondary treatment plant with chlorine disinfection. It has an average capacity of 600 ML/D and a peak capacity of 909 ML/D. It was originally constructed in the 1930's and is located in Hamilton, Ontario.

Problem

RV Anderson Associates Limited was the Architect/Engineer chosen to complete the upgrade process and Fibergrate Fiberglass Reinforced Plastic products were chosen for this project. One of the concerns was whether or not the handrails and platforms required an NSF61 classification for potable water.

Solution

It was established that the handrails and platforms were not required to have an NSF61 classification, so the solution was to provide a safe clean environment. Fibergrate FGI-AM resin system was chosen as it offers antimicrobial properties which inhibit the growth of bacteria. All handrails were Dynaform light grey with a mix of fixed and removable handrails. Dynaform handrails offer corrosion resistance, long life and a low maintenance design, and Dynaform Structural Shapes, used to complete the platforms, provide durability, extremely high strength, and corrosion resistance.

Before

After

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