

Earl Turcott Waste Management Facility

Markham, ON, Canada (2008)

PRODUCT USED:
Hard-Cem®

OWNER:

Miller Waste Systems Inc.

ARCHITECT/ENGINEER:

Architecture Unfolded

CONTRACTORS:

The Miller Group
Wheelwright Group, Inc.
AMS Construction

DISTRIBUTOR:

Form & Build Supply

BACKGROUND

While Miller Waste Systems Inc.'s waste management facilities were thriving in the late 2000s, the company wasn't as impressed with their facility floors. Those concrete slabs just didn't have the right amount of resistance to surface abrasion and the intense weight from dump trucks and other large vehicles. As a result, Miller Waste Systems Inc. sought a better concrete solution.

Of course, before committing to a solution, they wanted to test whichever one they picked. With that in mind, they decided to trial the solution at their Earl Turcott Waste Management Facility.

Under construction at the time, this facility would soon become the largest waste management facility in Canada. With 94,000 ft² on 11 acres of land, it would have the ability to process 2,600 metric tons of garbage and prevent 70% of that incoming garbage from becoming landfill waste. Additionally, the facility would accommodate 350 vehicles a day with three in-floor weigh scales that would continuously weigh transfer vehicles during the loading process.

It was a significant undertaking, and it would need a similarly significant solution for its concrete needs.

SOLUTION

That solution turned out to be Kryton's Hard-Cem. Recommended by Form & Build Supply, this integral hardening admixture is not only capable of increasing concrete resistance to abrasive forces. It can also increase resistance to erosive ones. That ensures the concrete will last for much longer, surviving surface abrasion and even the weight of heavy vehicles.

After testing these abilities out on the Earl Turcott Waste Management Facility, Miller Waste Systems Inc. could see just how effective Hard-Cem was. In fact, they were so pleased with the results that they now use Hard-Cem in all their facilities.

