ST. CLOUD WASTE TRANSFER STATION
Project Spotlight

BUILDING OWNER:
St. Cloud Transfer Station
St. Cloud, Florida

CONTRACTOR:
Cornerstone Construction Services
Orlando, Florida
After performing the floor analysis, Gonder wrote them a bid for the concrete work. A few months later and after severe floor deterioration, St. Cloud put Cornerstone under contract to provide them with their new L&M™ EMERYTOP 400™ floor.

The Challenge

To prepare the existing surface, the CCS crew milled and abraded the concrete. It was then brushed clean.

After milling down the prepared concrete surface, the CCS crew applied L&M EVERBOND™ slurry to bind the soon-to-be-placed L&M EMERYTOP 400 floor topping to the existing milled substrate. L&M EVERBOND ensures a good, tight bond between the existing concrete surface and the soon-to-be-applied topping.

A LATICRETE Solution

Immediately after applying the L&M EVERBOND, the CCS crew was ready to apply the L&M EMERYTOP 400. The team ordered concrete ready mix trucks to St. Cloud’s site. They began by loading several Supersacks [3,000 lbs (1361 kg)] of L&M EMERYTOP 400 into the back of the ready mix trucks for on-site mixing. As soon as the mix sequence transpired, the pouring and placing began.

While placing the topping, the concrete crew applied L&M E-CON™, a concrete finishing treatment, onto the new surface in order to prevent crusting and to aide its placement. Finally, the crew applied curing blankets over the newly placed topping to ensure it cured appropriately.

To watch the L&M EMERYTOP 400 product be mixed, placed, and cured at Brevard County’s Sarno waste transfer station also in Florida, click here!
One of the awesome benefits of L&M EMERYTOP 400 is its fast turnaround time. It is designed for weekend shutdowns when the transfer stations are at their lowest peak of business and to be returned to service on Monday morning. The St. Cloud job was no exception. With the fast application and return to service, Cornerstone lived up to its promise to have the floor back by Monday.

Outcome

So far, the new St. Cloud Waste Transfer Station floor has held up well against abrasion, impact and chemicals from the waste. The St. Cloud Waste Transfer Station team is happy that downtime was minimized and that their new floor will last for years.

“I want to put something down that I can retire knowing that the city will not have to service their floor for a long time”

– Ernest McDaniel
Solid Waste Superintendent