



Innovations that work.™

ACN 109 200 900

AUSTRALIAN SECURITIES EXCHANGE ANNOUNCEMENT

12 February 2021

EdenCrete®- First Waste Transfer Station Project

HIGHLIGHTS

- First US waste transfer station project using EdenCrete® in Savannah, Georgia.
- EdenCrete® chosen as cost effective replacement for epoxy coating treatment.
- US\$77,500 worth of EdenCrete® ordered to date.

DETAILS

Eden Innovations Ltd (Eden) (ASX:EDE) is pleased to advise that the first ever waste transfer station project (see Figures 1-3) using EdenCrete® in the concrete tipping slab that is to be exposed to extreme wear, is being built in Savannah, Georgia for Atlantic Waste Services.

US\$77,500 worth of EdenCrete® has so far been ordered for this project, and this amount is expected to grow before the construction is completed over the coming weeks. This order followed a review of increased abrasion resistance and reduced permeability that EdenCrete® delivers to concrete.

The dosage rate being used is 4 gallons/cubic yard of concrete, and this still delivers a very cost-effective alternative to a more expensive, epoxy coating treatment that had previously been applied to concrete tipping slabs in other waste transfer stations.

This growth market offers EdenCrete® a major opportunity for significant new business.

Evans Concrete, a leading ready-mix supplier in Southeast Georgia which supplied the concrete for this project, has used EdenCrete® on numerous projects over the past 5 years.



Figure 1. Atlantic Waste Services new waste transfer station



Figure 2. EdenCrete® enhanced concrete slab being installed



Figure 3. EdenCrete® enhanced concrete slab being installed

US Waste Transfer Station Market

The waste transfer station market in USA is estimated to be a US\$52 billion dollar per year industry and is serviced by more than 11,000 businesses . It has been growing at approximately 1.4% p.a. for the past 5 years. Continued significant growth is expected over the coming years, particularly with the sharper focus on the re-cycling of industrial and domestic waste.

The US waste disposal industry covers a range of applications including hazardous and nonhazardous waste and recyclable materials. Nonhazardous waste includes municipal solid waste, household waste, industrial and commercial waste. Generally waste transfer stations are operated as waste collection points where waste is collected and transferred to long-distance trucks for transport to dedicated disposal facilities.

In addition to similar services provided by governments, the US waste disposal industry manages:

- Residential waste collection
- Recyclable material collection
- Transfer and storage facilities
- Non-residential waste collection
- Hazardous waste collection
- Construction and demolition site waste collection.

This industry offers a new and significant market opportunity for EdenCrete®.

CONCLUSION

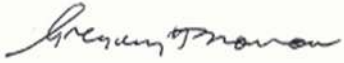
The US EdenCrete® footprint continues to grow both geographically and by market sector. The anticipated growth in the waste disposal industry and the number and size of waste transfer stations that will be built or require repairs over the coming years, provides a very important new market in which EdenCrete® at high dosage rates has been shown to offer a cost-effective alternative solution to other available products.

BACKGROUND

EdenCrete® is Eden's 100% owned, proprietary carbon-strengthened concrete additive that enhances a wide range of performance characteristics of the concrete including compressive strength, flexural strength, tensile strength, abrasion resistance, reduced permeability, increased modulus of elasticity, and reduced shrinkage, delivering stronger, tougher, more durable and longer lasting concrete.

EdenCrete® delivers not only a wide range of performance benefits in concrete, but also delivers economic advantages through many ways, including greater durability and service life for the concrete. Additionally, in applications where fresh concrete has to be pumped under pressure, including in shotcrete or pumping of fresh concrete up high -rise projects, it greatly reduces the friction enabling the required pumping pressure to be reduced, resulting in less wear on the pumps, and safer working conditions due to reduced nozzle pressure being required, which in turn results in cost savings through less wasted concrete resulting from reduced re-bound in the case of shotcrete applications.

One of the primary target markets for EdenCrete® is improving the performance of concrete used in the construction and maintenance of concrete roads, bridges and other infrastructure, particularly where it is subject to heavy wear, freeze/thaw weather conditions and/or high levels of added salt. Additionally, it has potential for use in most other concrete applications including high-rise building construction, marine and coastal applications, water storage and pipelines, hardstand areas, warehouses, shotcrete applications and pre-stressed and pre-cast concrete structures and products.



Gregory H. Solomon
Executive Chairman

This announcement was authorised by the above signatory.
For further information please contact Aaron Gates on +61 8 9282 5889.

For personal use only