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ACN 109 200 900

## AUSTRALIAN SECURITIES EXCHANGE ANNOUNCEMENT

24 May 2017

### EDENCRETE® – Approval by Mississippi DOT

Six DOTs have now approved the use of EDENCRETE®

#### HIGHLIGHTS

- **EdenCrete® approved for use by Mississippi DOT for:**
  - **Wear resistance,**
  - **Increased tensile strength,**
  - **Increased compressive strength,**
  - **Increased flexural strength,**
  - **Shrinkage reduction, and**
  - **Permeability reduction.**
- **Approvals for use of EdenCrete® for one or more applications now exist in Mississippi, Georgia, Arkansas, Tennessee, Virginia and Texas.**

#### DETAILS

Eden Innovations Ltd (“Eden”) has received approval from the Mississippi Department of Transportation (“MDOT”) for the use of EdenCrete® as a specialty admixture in concrete for applications including wear resistance, increased tensile, compressive and flexural strengths, shrinkage reduction, and permeability reduction.

With the earlier approval by the Texas DOT of the use of EdenCrete® in two concrete mixes by a manufacturer of pre-stressed beam for bridges in Texas, and approvals by Georgia DOT, Arkansas DOT, Tennessee DOT, and Virginia DOT, EdenCrete® is now approved for use in one or more applications by the Departments of Transportation in six States of the US.

As previously advised, each US State DOT determines its own approval process for concrete admixtures. Most US State DOTs rely to some extent or other on a national certification

process called NTPEP, which involves an independent, standardised testing procedure to determine if an admixture should be approved or allowed for use in concrete for its roads and bridges.

The NTPEP certification process is similar to the 12 months' ASTM C494 "S" certification process that Eden has already completed. Eden has initiated the NTPEP Certification process that will take at least 12 months to complete from when the trials actually begin.

Whilst some State DOTs rely exclusively on the NTPEP certification process to determine whether to approve the use of an admixture, other State DOTs do not.

Current applications for DOT approval are still outstanding in the following States:

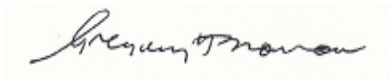
- **Alabama** – Eden is awaiting advice from the Alabama DOT Product Evaluation Board on the outcome of its application.
- **Kentucky** – Eden's application is now in the phase 2 of review by the Kentucky DOT Materials Branch.
- **North Carolina** – Eden's application is under review by North Carolina DOT.

Obtaining DOT approvals in the various States is a reasonably slow process, and after an approval has been obtained, a field trial may still be required to be carried out and the results assessed.

The process to increase the number of States where EdenCrete® is approved for use is well underway and Eden intends to continue to work to extend this list as quickly as it is reasonably able.

## **BACKGROUND**

*EdenCrete<sup>®</sup> is Eden's 100% owned, proprietary carbon-strengthened concrete additive, one of the primary target markets for which is improving the performance of concrete used in the construction and maintenance of concrete roads, bridges and other infrastructure. Additionally, it has potential for use in a range of other concrete applications including high-rise building construction, marine and coastal applications, water storage and pipelines, and pre-fabricated concrete structures and products.*



**Gregory H. Solomon**  
Executive Chairman