

## ASX ANNOUNCEMENT

26 April 2024

# SUCCESSFUL GEOPOLYMER CONCRETE TRIAL POURS COMPLETED

### HIGHLIGHTS

- Suvo successfully completes a series of 5 x 2m<sup>3</sup> trial pours of Collicrete, a low carbon geopolymer concrete, in preparation for the Bunbury Outer Ring Road Project (**BORR**).
- The production of Ordinary Portland Cement (**OPC**), the binder required to make concrete, is the single largest industrial source of GHG and accounts for 8% of global emissions – equivalent to the entire global car fleet.
- Collicrete achieves a GHG emissions reduction of approximately 50% compared to OPC (Source: Murdoch University).
- Dowsing Group (**Dowsing**) facilitated the trial pours at Peel Resource Recovery (**Peel**) in Kemerton, Western Australia.
- The trial pours demonstrate scalability and application (moving from lab scale trials to a series of 5 x 2m<sup>3</sup> pours) of low carbon geopolymer concrete to Dowsing and PERMAcast.

Suvo Strategic Minerals Limited (ASX:SUV) (“Suvo” or “the Company”) is pleased to announce the successful completion of initial trial pours of Collicrete, a low carbon geopolymer concrete, in preparation for the demonstration pour on the Bunbury Outer Ring Road Project (**BORR**). The trial pours were facilitated by Dowsing Group (**Dowsing**) and were completed at Peel Resource Recovery (**Peel**) located in Kemerton, Western Australia (ASX Announcement 8 April 2024: Geopolymer Concrete Update).

Aaron Banks  
NON-EXECUTIVE CHAIRMAN

Oliver Barnes  
NON-EXECUTIVE DIRECTOR

Agu Kantsler  
NON-EXECUTIVE DIRECTOR

Suvo Strategic Minerals Ltd. ABN 97 140 316 463  
Head Office: Level 11, 40 The Esplanade, Perth, Western Australia 6000  
Operations: 3610 Glenelg Highway, Pittong, Victoria 3360

[SUVO.com.au](http://SUVO.com.au)

ASX: SUV

A series of 5 x 2m<sup>3</sup> pours of Collicrete were completed during the week commencing 15 April 2024, utilising the Company's low carbon geopolymers concrete batching plant and a mobile self-loading concrete batching unit. The site team was comprised of Dowsing, Suvo and Murdoch University personnel, enabling in-situ fine-tuning of the mix design to meet wet concrete specification and workability requirements. A series of cylinder moulds were collected for 28-day strength testing.



Photo 1: Pouring of Collicrete

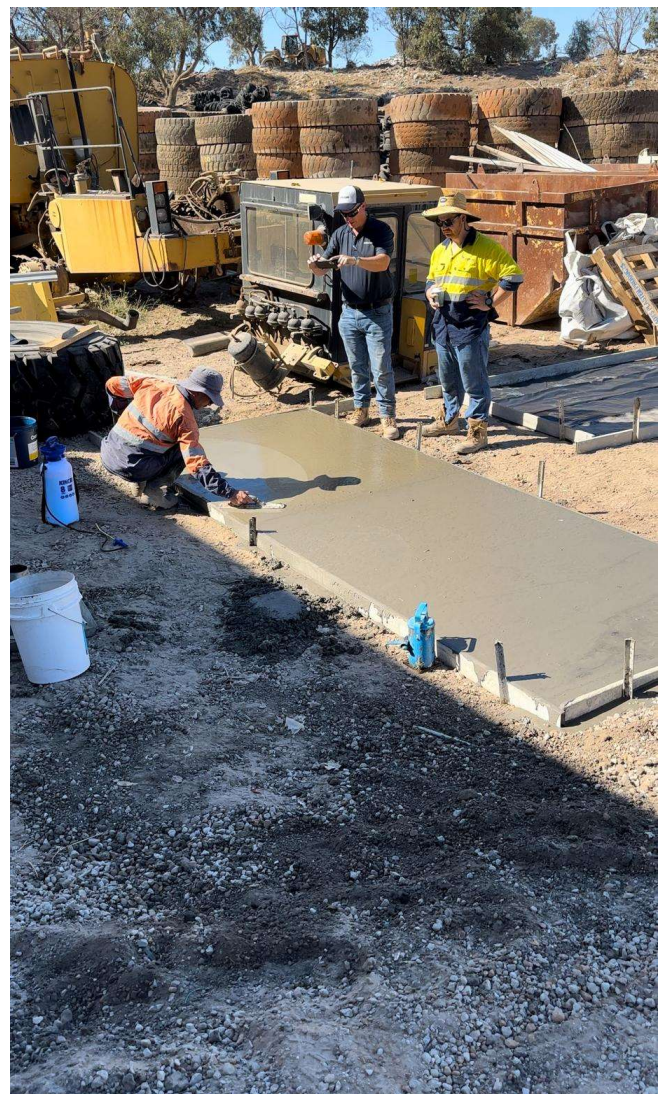


Photo 2: Surface finishing





**Photo 3: Prior to stripping formwork**

These trials demonstrate key parameters for scalability and application of the Company's low carbon geopolymer concrete to Suvo's MOU partners, Dowsing and PERMacast. The data gathered from the trials has also been passed on to some leading Industry civil contractors who have made inquiries for various products that are being assessed for suitability for a major infrastructure project.

**Non-executive Chairman Aaron Banks commented:**

*"We see the successful Collicrete trials last week as another step forward in demonstrating the application of low carbon geopolymer concrete and accelerating its commercialisation.*

*We thank Dowsing for their facilitation of this work, and again, Peel for allowing us to use their facilities.*

*The time on site was an excellent opportunity to develop our team and partner working relationships and continue to build execution capabilities needed for commercialisation.*

*The demonstration pour will give us important empirical data to provide more information to prospective users of Collicrete."*

## **Company Profile**

Suvo Strategic Minerals Limited is an Australian hydrous kaolin producer and exploration company listed on the Australian Securities Exchange (ASX:SUV). Suvo is focused on production at, and expansion of, their 100% owned Pittong hydrous kaolin operation located 40km west of Ballarat in Victoria. Suvo's exploration focus is on near-term kaolin and high purity silica assets with 100% owned Gabbin (kaolin), Eneabba and Muchea (silica sands) projects located in Western Australia.

## **Pittong Operations**

The 100% owned Pittong Operations, located in Victoria 40km west of Ballarat, is the sole wet kaolin mine and processing plant in Australia and has been in operation since 1972. Pittong comprises the Pittong, Trawalla and Lal Lal deposits located on approved Mining Licences MIN5408, MIN5365 and MIN5409 respectively.

At Pittong mining contractors deliver crude kaolin ore to stockpiles from the two currently operating mines, Pittong and Lal Lal. The plant takes its feedstock from the ROM and it is processed into four separate product forms for end users. These product forms are 10% moisture lump, high solids slurry, 1% moisture powder and 1% moisture pulverised powder. The solids slurry is used in paper and board manufacturing. The other products are used in paper, coatings, paint and specialist industries including rubber and pharmaceutical applications. Around 20–25kt per annum is supplied to various end users.

## **Gabbin Kaolin Project**

The 100% owned Gabbin Kaolin Project (White Cloud) is located 215km northeast of Perth, Western Australia. The project area comprises four granted exploration licences (E70/5039, E70/5332, E70/5333, E70/5517) for 413km<sup>2</sup>, centred around the town and rail siding of Gabbin. The generally flat area is primarily cleared farming land devoid of native bushland and is currently used for broad-acre cereal cropping. A mining access agreement is in place over the current resource area with the landowner and occupier.

The main rock types at Gabbin are primarily Archaean granite, gneiss, and migmatite. These rocks are overlain and obscured by Tertiary sand and Quaternary sheetwash. The weathering profile is very deep and contains thick kaolin horizons capped by mottled clays or laterite zones. The current JORC 2012 Mineral Resources are 72.5Mt of bright white kaolinised granite with an ISO Brightness of 80.5%.

## **Eneabba Silica Sands Project**

The 100% owned Eneabba Silica Sands Project is located 300km north of Perth, Western Australia. The project comprises four granted exploration licences (E70/5001, E70/5322, E70/5323, E70/5324) for 169km<sup>2</sup>. The project is located on the Eneabba Plain whose sandy cover is very flat to gently undulating. Outcrop is rare due to the accumulations of windblown and alluvial sand at surface. Below this is a thin hard silcrete or lateritic claypan which overlies deep white and yellow sands.