

Greenhouse Gas CO₂ Reduction Plan

Dated: 10.8.2023

Concrush is committed to reducing its carbon footprint by reducing its consumption of diesel fuel and by electrifying its processes. We aim to reduce our CO₂ omissions by 50% by 2030 for each tonne of recycled product we manufacture. We currently emit 709t CO₂-e per year. (Our recycled products save 60% on CO₂ emissions when compared to virgin quarry materials for each life of our product (which typically have a 40-year life)).

We aim to gradually replace 50% of our diesel machines with the electrical equivalent by 2030. We are also looking at new, more efficient practices and technologies.

- Roof top solar system	4% reduction	2021 – Installation
- Hydrogen fuel additive trial	1% reduction	2021 – Trial failed
- Generator replacement	10% reduction	2023 – Complete review
- Crusher motor replacement	20% reduction	2024
- Two deck screen motor replacement	10% reduction	2025
- Flatbed screen	5% reduction	2027
- New electric excavator	10% reduction	2028
- New electric loader	10% reduction	2030

Reference EIS dated November 2018

We have also invested in R & D projects to recycle our aggregates back into concrete manufacture (circular economy strategy).

- A. Patrick Tang, University of Newcastle
- B. CRC SmartCrete (sustainable aggregates, cement and concrete) – FBA Project since 2021 and ongoing.

Our greenhouse gas mitigation or management measures for our facility include the following:

1. Turn off lights, electrical gear when not in use.
2. Put timers/ sensors on lights, etc
3. Only touch our material “once”. No double handling or inefficient movement of raw materials or processed materials,
4. Measure, record and improve on our tonnes/litre of diesel required for our product lines.
5. Have modern best practice plant and equipment.
6. Use of onsite recycled water
7. Producing no waste (less than 0.1%)


23/8/2023

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