

**Skyrenu Technologies Inc. response to information note
Removal activities under the Article 6.4 mechanism**

Dear Supervisory Board,

Skyrenu Technologies is grateful for the opportunity to provide feedback on the Article 6.4 Supervisory Body's [Information note on Removal activities under the Article 6.4 mechanism Version 04.0](#).

Skyrenu Technologies Inc. is a Canadian-controlled private company incorporated in Quebec in 2021. Skyrenu Technologies Inc. contributes to ending the climate crisis by capturing and sequestering greenhouse gases. We develop and make accessible clean technologies for capturing greenhouse gases, while supporting sustainable development. We have a societal commitment to creating solutions with real, safe, large-scale impact for the future. In the short to medium term, we are developing and making available a portfolio to tackle global warming through the capture and sequestration of atmospheric sequestration of CO₂ from atmospheric and industrial sources.

Skyrenu Technologies Inc. proposes an integrated capture and sequestration system comprising a novel modular direct-air capture (DAC) device whose high-concentration gaseous CO₂ output is used for the on-site carbonation of mine tailings. For carbonation, we use a simple low-temperature process where metals, such as magnesium present in chrysotile serpentine (asbestos), react with dissolved CO₂ in an aqueous solution to form a stable carbonate compound. Our modular systems can be directly installed at mine waste sites, thereby eliminating the need to transport CO₂ or mineral feedstock over long distances. Mineral carbonation offers a large, currently untapped, potential for durable carbon removal by producing inert materials with demonstrated long-term (i.e., millions of years) chemical stability. By converting captured CO₂ into a solid, it becomes permanently fixed and the resulting carbonates can readily be used as raw materials in the construction and chemical industries. An important added advantage in the treatment of asbestos mine tailings is that the carbonation reaction, which consumes asbestos fibers, remediates the hazardous nature of the waste. It is also important to note that other existing magnesium, calcium, nickel, iron and concrete mineral waste, for example, also offers global Gt CO₂ sequestration potential.

Our MVR approach involves measuring changes in the chemical composition of samples before and after the carbonation process. This makes it possible to quantify the amount of CO₂ sequestered in the form of carbonates. These carbonates are known to be inert for millions of years. By using chemical analysis techniques, producing detailed reports and carrying out independent verification, it is possible to quantify the amount of CO₂ sequestered in these materials and thus contribute to the reduction of greenhouse gas emissions.

The Info note's conclusions are Inconsistent with current IPCC accounting guidance and acknowledgement of the need for gigatonne scale CDR in coming decades. Skyrenu Technologies Inc. considers that the benefits of long-term storage and its expected role according to scientific assessments are misrepresented, for example by the inclusion of a one tonne-year credit.

We trust that our answers will help to the Supervisory Body to continue its work.

Sincerely,



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