Canada Nickel's vision is to make NetZero Nickel™, NetZero Cobalt™ and NetZero Iron™ products that are needed to power the electric vehicle revolution and feed the high growth stainless steel market.

Mark Selby

Chairman, CEO & Director

markselby@canadanickel.com

CANADA NICKEL COMPANY

- Founded Canada Nickel Company in Feb 2020 and advanced the Crawford Nickel Sulfide project through a successful PEA in just over a year.
  - *$1.2 Billion after tax $NPV_{8\%}$ & 16% IRR*
- Former President & CEO of RNC Minerals where he advanced the Dumont Nickel-Cobalt project from initial resource to a fully permitted, construction ready project including over $100M of funds raised.
- Recognized as a leading authority on the nickel market

Technology or focus area

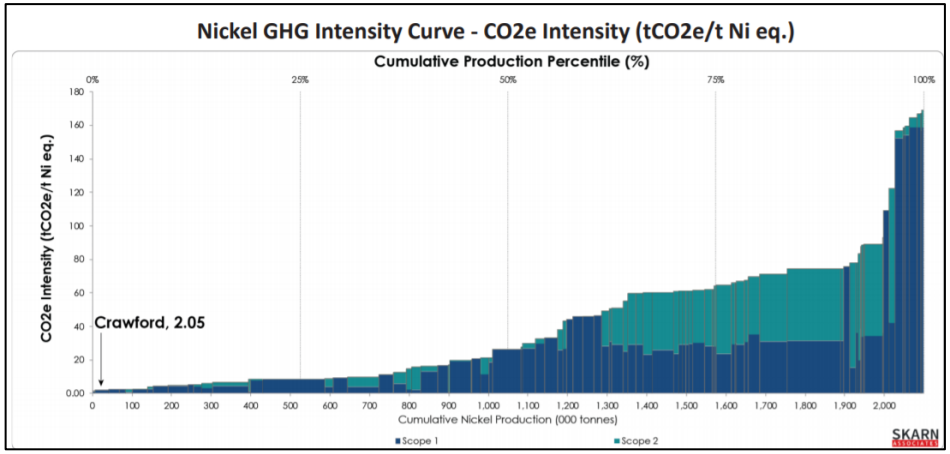
- CO_2 sequestration of ultramafic mine tailings & waste rock

Ideas, Interests, Concepts to be Explored

Our Company Vision

Current Research Program

Challenges & Opportunities



arpa·e
CHANGING WHAT'S POSSIBLE

Canada Nickel's vision is to make NetZero Nickel™, NetZero Cobalt™ and NetZero Iron™ products that are needed to power the electric vehicle revolution and feed the high growth stainless steel market.

Opportunities being pursued:

- Mineral carbonation along the processing path (mineral processing, smelting)
- Mineral carbonation within the tailings storage facility
- Mineral carbonation in a carbonation reactor
  - We are planning to have a nearby reductive smelting facility which will produce a CO2 laden gas. This could be used to accelerate carbonation of the tailings in a reactor at the right cost.

Challenges:

- Accelerated carbonation of less reactive minerals (serpentine, olivine)
  - At current carbon prices, rehandling these minerals and using non-ambient conditions is costly
- There is no standard protocol for quantifying sequestered carbon & obtaining carbon credits
  - This will be key for justifying investments into and increasing the scale of R&D tests
- Large scale experiments which capture the dynamic nature of the TSF are required to understand the true capacity of ultramafic waste rock and tailings to sequester carbon
  - Cost is the primary barrier to this but also time is a barrier as we need to incorporate findings into the TSF design.