



CANADA NICKEL
COMPANY



Stantec

Crawford Nickel Project Impact Statement

Chapter 35 Summary and Conclusions



Prepared for:
Canada Nickel Company

November 22, 2024

Prepared by:
Stantec Consulting Ltd.

Table of Contents

| | | |
|----|-------------------------------|------|
| 35 | Summary and Conclusions | 35.1 |
|----|-------------------------------|------|

35 Summary and Conclusions

This Impact Statement documents the results of the assessment of potential positive and adverse effects from the construction, operation, and decommissioning and closure of the Crawford Nickel Project ('the Project') in accordance with the Project-specific requirements outlined within the Tailored Impact Statement Guidelines issued by IAAC for the Project.

Throughout Project planning, Canada Nickel Company (Canada Nickel) has focused on collaboration between the Project engineers, environmental team, and considerations of feedback received from various Indigenous Nations and stakeholders. This has resulted in a Project design that has been modified and adapted to reduce potential effects.

For the purposes of the Impact Statement, the following Valued Components were identified:

- Geology and Geologic Hazards
- Soil
- Atmospheric Environment, including air quality and light
- Acoustic Environment, including noise and vibration
- Groundwater
- Surface Water, including surface water quantity, quality, and geochemistry
- Vegetation, Riparian and Wetland Environment, including plant species at risk
- Fish and Fish Habitat, including aquatic species at risk
- Birds and Bird Habitats, including groups of birds and species at risk
- Wildlife and Wildlife Habitat, including wildlife species at risk
- Climate Change, including greenhouse gas emissions and carbon sinks
- Health
- Social Conditions, including social conditions of Indigenous Peoples and recreation (Big Water Campground and snowmobile trails)
- Economic Conditions
- Indigenous Nations, including Indigenous physical and cultural heritage, the current use of land and resources for traditional purposes, health, social and economic conditions, and the rights of Indigenous Peoples

The assessment of effects was completed using the following general approach:

- Identifying the activities and components of the Project
- Predicting and evaluating potential changes to the environment and the likely effects on identified Valued Components

- Consider key issues raised by agencies, stakeholders, the public, and potentially affected Indigenous Nations
- Identifying measures to mitigate adverse environmental effects and enhance positive effects
- Determining and characterizing residual effects (i.e., effects following the implementation of mitigation measures) and the extent to which adverse federal effects may be significant
- Developing follow-up and monitoring programs to verify both the accuracy of the effects assessment (predictions) and the effectiveness of mitigation measures

Through an understanding of baseline conditions, consideration of Project design, and proposed mitigation measures, the potential effects of the Project on environmental, health, social, cultural, and economic conditions will be avoided, reduced, restored, or compensated for through the implementation of the Project. A summary of all Project commitments, including mitigation measures, management plans, follow-up programs and other commitments, is provided in Appendix E. For adverse effects within federal jurisdiction and any direct or incidental effects as defined in section 2 of the *Impact Assessment Act*, the extent of adverse Project residual effects are predicted to be of low to moderate significance.

The cumulative effects assessment identifies and assesses Project residual adverse effects that may interact with the effects of other past, present, and reasonably foreseeable future physical activities. For those effects within federal jurisdiction, the extent of cumulative residual adverse federal effects are predicted to be of low to moderate significance.

Various follow-up programs are proposed to verify the accuracy of these predictions and evaluate to the effectiveness of mitigation measures and to implement adaptive management where required. Each of these follow-up programs will be developed in consultation with relevant authorities and potentially affected Indigenous Nations, as appropriate.

Canada Nickel is committed to implementing the mitigation measures proposed throughout the Impact Statement and to implement the proposed follow-up and monitoring programs to verify the accuracy of the predicted effects and effectiveness of mitigation measures. Where warranted, Canada Nickel is also committed to implement appropriate adaptive management measures to reduce environmental, health, social, cultural, and economic impacts of the Project.

Canada Nickel will continue to engage with potentially affected Indigenous Nations and continue to focus on its genuine partnerships through transparent information sharing, open dialogue, meaningful collaboration, and early and ongoing engagement. Canada Nickel remains committed to continuing active consultation with the public and relevant stakeholders following submission of the Impact Statement related to the Project as it progresses throughout the next phases.

Indigenous reconciliation and community stewardship are not obligations but are core principles embedded into Canada Nickel's operations. As a responsible proponent, Canada Nickel's leadership team recognizes the importance of engaging in transparent dialogue, fostering economic opportunities, and supporting long-term holistic benefits to the region and Traditional Territories in which the Project operates. Further, Canada Nickel is committed to advancing the Project in a responsible and sustainable manner to extract and process critical minerals, as can be seen through the Company's novel IPT

Carbonation process; a groundbreaking method that enhances naturally occurring mineral carbonation, transforming the Project into a large-scale carbon sink potentially capable of producing net-zero metals. Through the Company's IPT Carbonation process, the Project is estimated to be able to capture and store over 1.3 million tonnes of carbon annually, which would make it Ontario's only and one of Canada's largest permanent carbon storage sinks.

Nickel is essential to the stainless-steel, alloy, aerospace, renewable energy, and electric vehicle industries. The Project not only aims to meet the growing demand for nickel, but would reduce Canada's reliance on foreign suppliers, making the supply chain more secure, stable, environmentally conscious, and socially viable while simultaneously contributing to both Ontario and Canada's critical minerals strategies.

As Canada Nickel moves forward with the Project, its social purpose will continue to guide the Company:

We originate materials to responsibly power the energy transition.