Enclosure 1: Provincial Advice Record – Crawford Nickel Project Impact Statement

Please submit the completed form by **January 24, 2025,** via the Registry.[1]

Ministry or Organization Contact Information

Submission Date	January 22, 2025
Ministry/Organization	Ministry of the Environment, Conservation & Parks Approval Services Section – Noise
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Please see questions and guidance in Tables 1, 2 and 3 attached.

Kevin Smith

Name of Ministry / Organization Responder

Senior Noise Engineer

Title of Responder

2025-01-22

Date

[1] All comments should be submitted via the ***Submit a Comment*** feature available on the Project's Canadian Impact Assessment Registry page (Reference 83857). Letters and forms can be uploaded using this feature. If you have any difficulties submitting this way, please contact IAAC at *Crawford@iaac-aeic.gc.ca* for assistance.

Table 1. Views to Inform the Impact Assessment

Table 1 can be used to provide views for IAAC's consideration in the analysis of the Project's federal effects[2,3,4] and preparation of the Impact Assessment Report, considering your ministry's local knowledge and regulatory expertise. Reviewers should consider project context and are encouraged to provide solution-oriented advice even where potential gaps in information are observed.

Comment ID	Refence to Impact Statement	Views to Inform the Impact Assessment
MECP-NOISE-01	Chapter 13: Assessment of Potential Effects on the Acoustic Environment: Table 13.1.	Project Components should include Blasting Noise. Description should reference Health Canada Noise Guideline section 6.4.4 which references ISO 1996-1:2003 for blasting duration of more than one year.
MECP-NOISE-02	Chapter 13: Assessment of Potential Effects on the Acoustic Environment: Table 13.2	Provincial Guidance & Standards should include Rail Spur line noise impact: MECP accepts FTA "Transit Noise and Vibration Impact Assessment Manual", September 2018, FTA report number 0123, for slow speed rail vibration impact assessment.
MECP-NOISE-03	Chapter 13: Assessment of Potential Effects on the Acoustic Environment: Table 13.2	Regulatory Guidance and Standards: Other: ANSI S3.29-1983 is replaced by ANSI S2.71-1983(R-2006) :
MECP-NOISE-04	Chapter 13: Assessment of Potential Effects on the Acoustic Environment: Table 13.3	Topic = Land and Resource Use and Sense of Place, Column = Influence on the Assessment: Comment: Use of the word perceptible are to be avoided as per Health Canada Noise Guidance, section C.3 Perceptibility
MECP-NOISE-05	Chapter 13: Assessment of Potential Effects on the Acoustic Environment: Section 13.4.1.1.4: Traffic Noise	FHWA recommends using the latest version of TNM, which is TNM 3.2, therefore this is also the version consistent with MTO Environmental Guide for Noise (MTO 2022). Please use FHWA traffic noise model version TNM 3.2.
MECP-NOISE-06	Chapter 13: Assessment of Potential Effects on the Acoustic Environment: Section 13.4.1.1.6: Transmission Line Relocation Noise	Comment: Transmission line corridor should be assessed using draft MECP's guideline NPC-360, "Protocol for the Measurement and Prediction of Audible Noise from HV Transmission Lines", final draft 2011.
MECP-NOISE-07	Chapter 13: Assessment of	Approved and verified methods are applied to predict noise and vibration effects: Blasting overpressure and vibration are modelled using the approved MECP NPC-119 method.

[2] "Federal effects" for this purpose means adverse effects within federal jurisdiction and adverse effects that are direct or incidental to the exercise of a federal power, duty or function (as defined in section 2 of the *Impact Assessment Act*).
[3] IAAC also invites views on effects related to public interest factors (defined in section 63 of the *Impact Assessment Act*) that may inform decision-making, such as positive effects on local economic conditions that contribute to sustainability.
[4] IAAC also invites views on potential effects to species at risk, and how they are typically managed in the region, to inform IAAC's obligations under section 79 of the *Species at Risk Act.*

	Potential Effects on the Acoustic Environment: Section 13.6 Prediction Confidence	• NPC-119 recommends blasting vibration and air overpressure limits, and references measurement techniques but does not specify blast modelling techniques. Reference should be made to ISEE Blaster Handbook for blast modelling methods.
MECP-NOISE-08	Chapter 31: Assessment of Potential Effects of Potential Accidents or Malfunctions: Table 31.3	Over Blasting Incident is missing a potential interaction

Please insert additional rows as necessary.