



**FIRST MINING
GOLD**



APPENDIX H

SOUND & VIBRATION TECHNICAL SUPPORT DOCUMENT

- H-1 Baseline Sound & Vibration (Leaves Off)
- H-2 Baseline Sound & Vibration (Leaves On)
- H-3 Baseline Sound Noise Assessment Report**
- H-4 Blasting Assessment Report



Noise Modelling Report

Springpole Gold Project
First Mining Gold Corp.

ONS2104

Prepared by:
WSP Canada Inc.

October 2024



Noise Modelling Report Springpole Gold Project

Red Lake District, Northwest Ontario
Project #ONS2104

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EXECUTIVE SUMMARY

First Mining Gold Corp. (FMG) proposes to develop, operate and eventually decommission / close an open pit gold and silver mine and ore process plant with supporting facilities known as the Springpole Gold Project (Project). The Project is located in a remote area of northwestern Ontario, approximately 110 kilometres (km) northeast of the Municipality of Red Lake and 145 km north of the Municipality of Sioux Lookout (Figure 1-1).

An environmental assessment (EA) pursuant to the Canadian Environmental Assessment Act, 2012 (SC 2012, c. 19, s. 52) and the Ontario Environmental Assessment Act (RSO 1990, c. E.18) is required to be completed for the Project. This report is one of a series of Technical Support Documents prepared by WSP Canada Inc. (WSP) on behalf of FMG to describe the predicted environmental effects of the Project.

The Project is expected to produce 30,000 tonnes per day (tpd) of feed to the onsite ore processing plant over a mine life of approximately 10 years after 3 years of pre-production stripping. The site is expected to operate continuously, for 24 hours per day and 7 days per week. FMG retained WSP Canada Inc. (WSP) to carry out a Noise Modelling Report for the proposed Project. This report is one of a series of Technical Support Documents (TSDs) prepared by WSP on behalf of FMG to describe the predicted environmental effects of the Project.

The applicable guidelines used for assessment of noise effects from the Project were the Health Canada guideline, *Guidance for Evaluating Human Health Impacts in Environmental Assessment: Noise* (Health Canada Noise Guideline; Health Canada 2023), the Ontario Ministry of Environment, Conservation and Parks (MECP) *Environmental Noise Guideline NPC-300, Noise Assessment Criteria for Stationary Sources and for Land Use Planning* (MECP 2013), and the MECP *Protocol for the Measurement and Prediction of Audible Noise from HV Transmission Lines, Publication NPC-360* (NPC-360; MECP 2011). Twenty one (21) representative Points of Reception (PORs) were identified and considered for the noise assessment. The PORs are representative of locations that include residences, seasonal cabins, lodges and camps, and Indigenous land users. The Project site is located in a rural area that is best described as a Class 3 area, in accordance with the area classifications defined within MECP NPC-300. The Health Canada Noise Guideline considers area classification based on a qualitative description of community characteristics; the area where the Project is located is characterized as 'quiet rural' in accordance with the guideline.

The four mine development stages of the Project that were assessed and modelled for noise were: Construction (Year -2), Pre-production (Year -1), Peak-production (Year 4) and Stockpile Reclaim (Year 9). The operation of the transmission line was also modelled and assessed independently of the other activities; the construction of the transmission line was considered during the assessment of Year-2. Sound levels at the identified representative PORs associated with the construction and operational phases of the Project were calculated using predictive acoustic modelling and assessed against the applicable MECP guideline limits. Under the predictable worst-case hour scenario ($L_{Aeq-1hr}$), the predicted sound levels are expected to comply with the applicable MECP guideline limits at all applicable representative PORs, during daytime, evening and nighttime periods, for the assessed mine development stages and the operation of the transmission line.

The predicted sound levels due to construction and operations were also assessed against the Health Canada Noise Guideline limits. Under the predictable worst-case hour scenario ($L_{Aeq-1hr}$) and the day-night sound level (L_{dn}), the sound levels are expected to meet the guideline limits at all representative PORs during daytime and nighttime periods for the assessed mine development stages. The change in percent highly annoyed (%HA) at the mine site for the assessed stages is also expected to meet guideline limits. Transmission line construction is a typical undertaking in Ontario. Construction proceeds in a linear fashion along the route with only a limited amount of time being spent at any particular location. Predicted noise levels associated with construction may exceed the Health Canada Noise Guideline limits at representative PORs located within approximately 500 m of the transmission line. Any exceedance will be short term and temporary in nature, is expected to occur only when construction activities are in close proximity to a POR, and be limited to the vicinity of the transmission line right-of-way (ROW). To minimize potential noise effects at PORs, local Indigenous communities and identified PORs will be advised ahead of transmission line construction work periods and as the construction work proceeds. FMG will work with local Indigenous communities to coordinate construction activities related to the transmission line to minimize overlap with the timing of traditional land use activities (e.g., fall moose hunt) and other sensitive periods.

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Attachment A Assessment Tables and Figures
Attachment B Zoning Map of the Site and Surrounding Area
Attachment C Technical Terms and Acoustical Descriptors
Attachment D Key Parameters Included in the Model and Sample Calculations

LIST OF ABBREVIATIONS

%HA	Percent highly annoyed
CDF	Co-disposal facility
dB	Decibels
dBA	A-weighted decibels
dBZ	Z-weighted decibels
EA	Environmental Assessment
FMG	First Mining Gold Corp.
h	Hours
km	Kilometres
L _{Aeq-1hr}	Hourly A-weighted equivalent continuous sound level
L _{Amax}	A-Weighted maximum sound level
L _n	A-Weighted night sound level
L _{dn}	A-Weighted Day-night sound level
m	Metres
MECP	Ministry of Environment, Conservation and Parks
NAD 83	North American Datum of 1983
POR	Point of Reception
Project	Springpole Gold Project
RCNM	Roadway Construction Noise Model
ROW	Right-of-way
TSD	Technical Support Documents
tpd	tonnes per day
UTM	Universal Transverse Mercator
WSP	WSP Canada Inc.

1.0 INTRODUCTION

First Mining Gold Corp. (FMG) proposes to develop, operate, and eventually decommission / close an open pit gold and silver mine and ore process plant with supporting facilities known as the Springpole Gold Project (the Project). The Project is located in a remote area of northwestern Ontario, approximately 110 kilometres (km) northeast of the Municipality of Red Lake and 145 km north of the Municipality of Sioux Lookout (Figure 1-1).

An environmental assessment (EA) pursuant to the *Canadian Environmental Assessment Act, 2012* and the *Ontario Environmental Assessment Act* is required to be completed for the Project. This report is one of a series of Technical Support Documents (TSDs) prepared by WSP Canada Inc. (WSP) on behalf of FMG to describe the predicted environmental effects of the Project.

1.1 Purpose and Objective of the Report

This Noise Modelling Report has been prepared to assess the potential effects of the construction, operation, and decommissioning and closure phases of the Project on noise, in accordance with the requirements of the Project's federal Environmental Impact Statement (EIS) Guidelines and the provincial approved Amended Terms of Reference.

To evaluate the effects of the Project, a noise effects assessment has been prepared to:

- predict noise levels from the key noise sources associated with the Project, based primarily on readily available public data, information from the FMG engineering and Project team, experience on similar past projects and site investigations conducted during 2021; and
- assess the predicted noise levels, when applicable, in accordance with the following guidelines:
 - Health Canada *Guidance for Evaluating Human Health Impacts in Environmental Assessment Noise* (Health Canada Noise Guideline; Health Canada 2023);
 - The Ministry of the Environment, Conservation and Parks (MECP) *Environmental Noise Guideline NPC-300, Noise Assessment Criteria for Stationary Sources and for Land Use Planning* (NPC-300; MECP 2013); and
 - The MECP *Protocol for the Measurement and Prediction of Audible Noise from HV Transmission Lines, Publication NPC-360* (NPC-360; MECP 2011).

1.1.1 Project Overview

The Project is proposed to be mined as an open pit. To allow for the development and safe operation of the open pit mine, two dikes will be established to facilitate controlled dewatering of the open pit basin. Ore from the open pit will be processed in an onsite processing plant at approximately 30,000 tonnes per day (tpd). Tailings resulting from the processing of ore will be stored in a co-disposal facility (CDF).

The main components of the Project include:

- Open pit;
- Dikes (west dike and east dike);
- CDF for mine rock and tailings (north cell and south cell);
- Surficial soil stockpile
- Ore stockpiles;
- Process plant and process plant complex;

- Buildings and supporting infrastructure;
- Water management and treatment facilities;
- Fish habitat development area;
- Accommodations complex;
- Aggregate operation(s);
- Transmission line; and
- Mine access road and co-located air strip.

The expected duration of Project phases are as follows:

- Construction phase (Year -3 to Year -1 – three years in length);
- Operations phase (Year 1 to Year 10 – 10 years in length);
- Decommissioning and closure phase (Year 11 to Year 15 – five years in length); and
- Post-closure phase (Years 16+).

After decommissioning and closure of the site will follow a period of environmental monitoring.

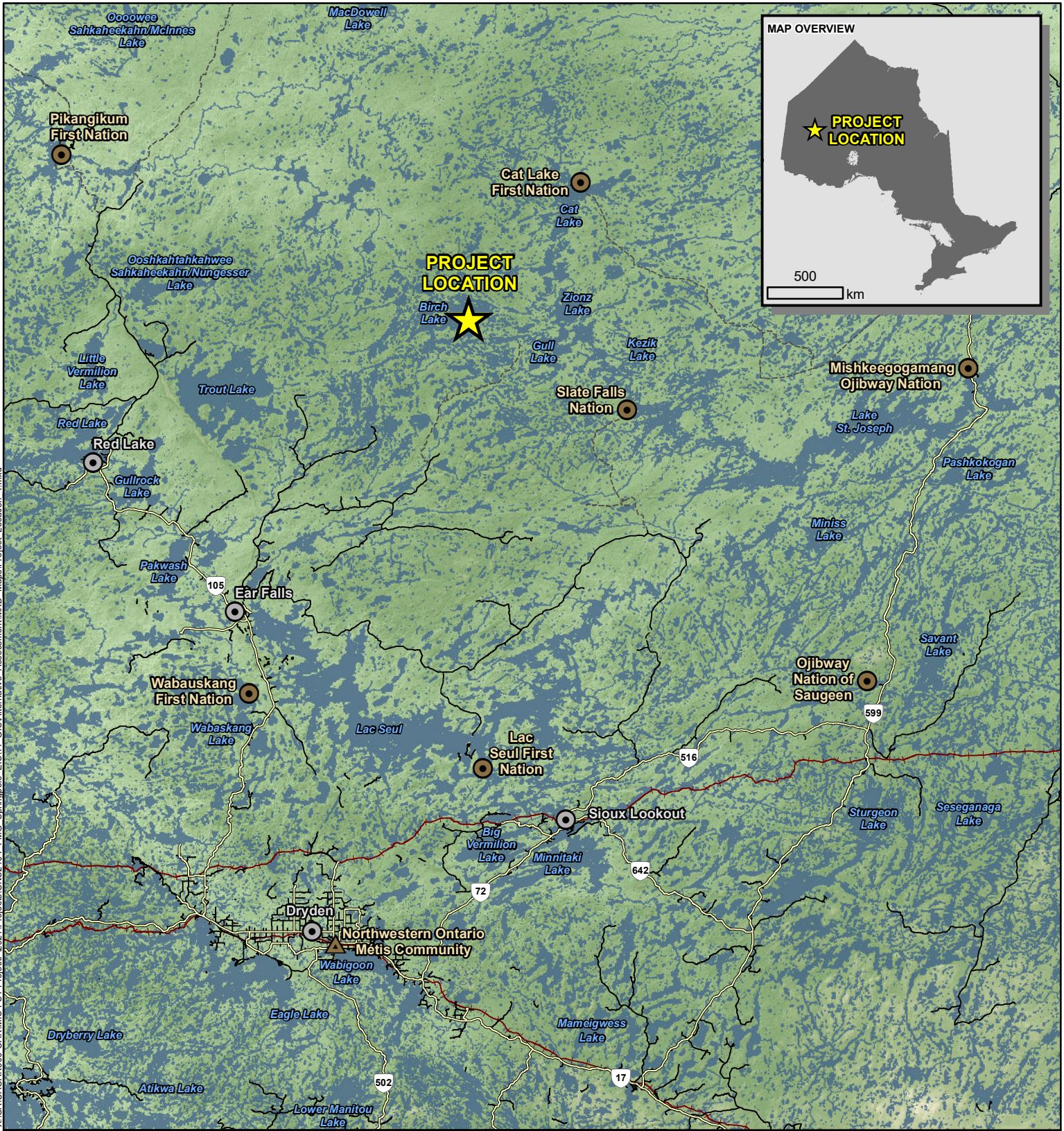
1.1.2 Noise Considerations

The portion of the Project area occupied by the future mine and mill is centered between Springpole Lake and Birch Lake, while the mine access road extends approximately 18 km east and the transmission line extends approximately 94 km east-southeast. Site plans are provided as Figure 1-2 and Figure 1-3. The Universal Transverse Mercator (UTM) coordinates of the centroid of this area are approximately 549,183 m Easting and 5,693,578 m Northing in the North American Datum of 1983 (NAD 83) Zone 15N. Zoning information surrounding the Project is provided in Attachment B.

The Project site and associated activities are planned to operate 24 hours per day, 7 days a week. These activities are expected to produce elevated local noise and vibration levels within the surrounding area of the Project site. Vibration from blasting activities is assessed in a separate technical report (WSP 2023a). The locations of the nearest representative Points of Reception (PORs) are shown on Figure 1-4. This Noise Modelling Report assesses the noise levels associated with the construction and operational phases at the nearest representative PORs using predictive acoustic modelling against the applicable provincial and federal guideline limits. The decommissioning and closure phase of the Project is expected to involve the use of similar (or less) noise-generating equipment than the construction phase. Therefore, Project noise effects during decommissioning and closure are expected to be represented by the construction phase assessment.

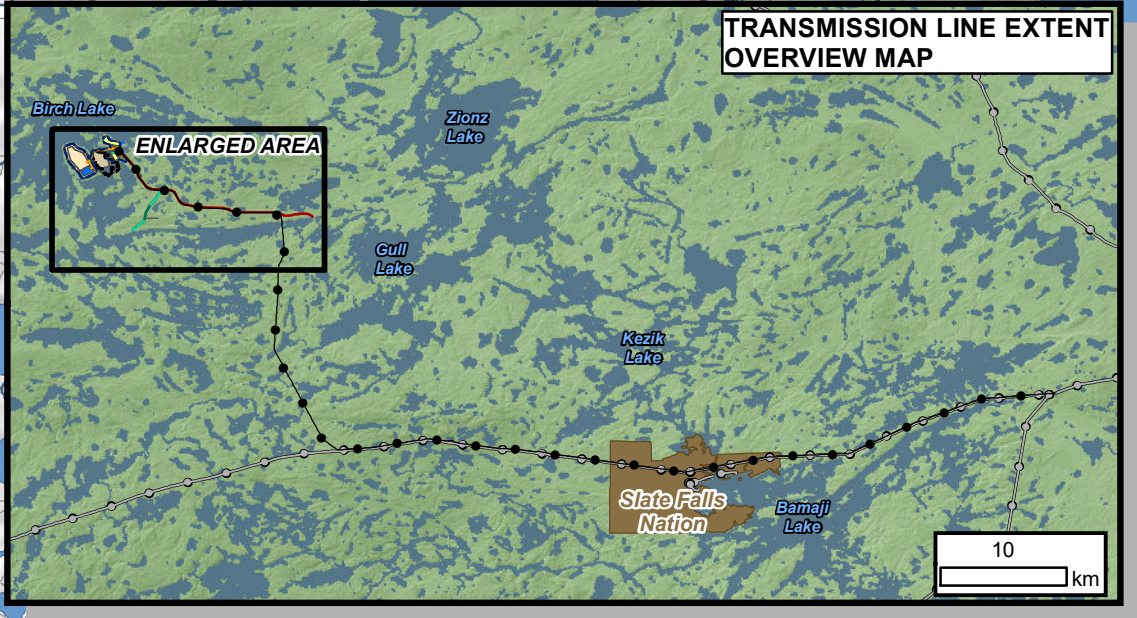
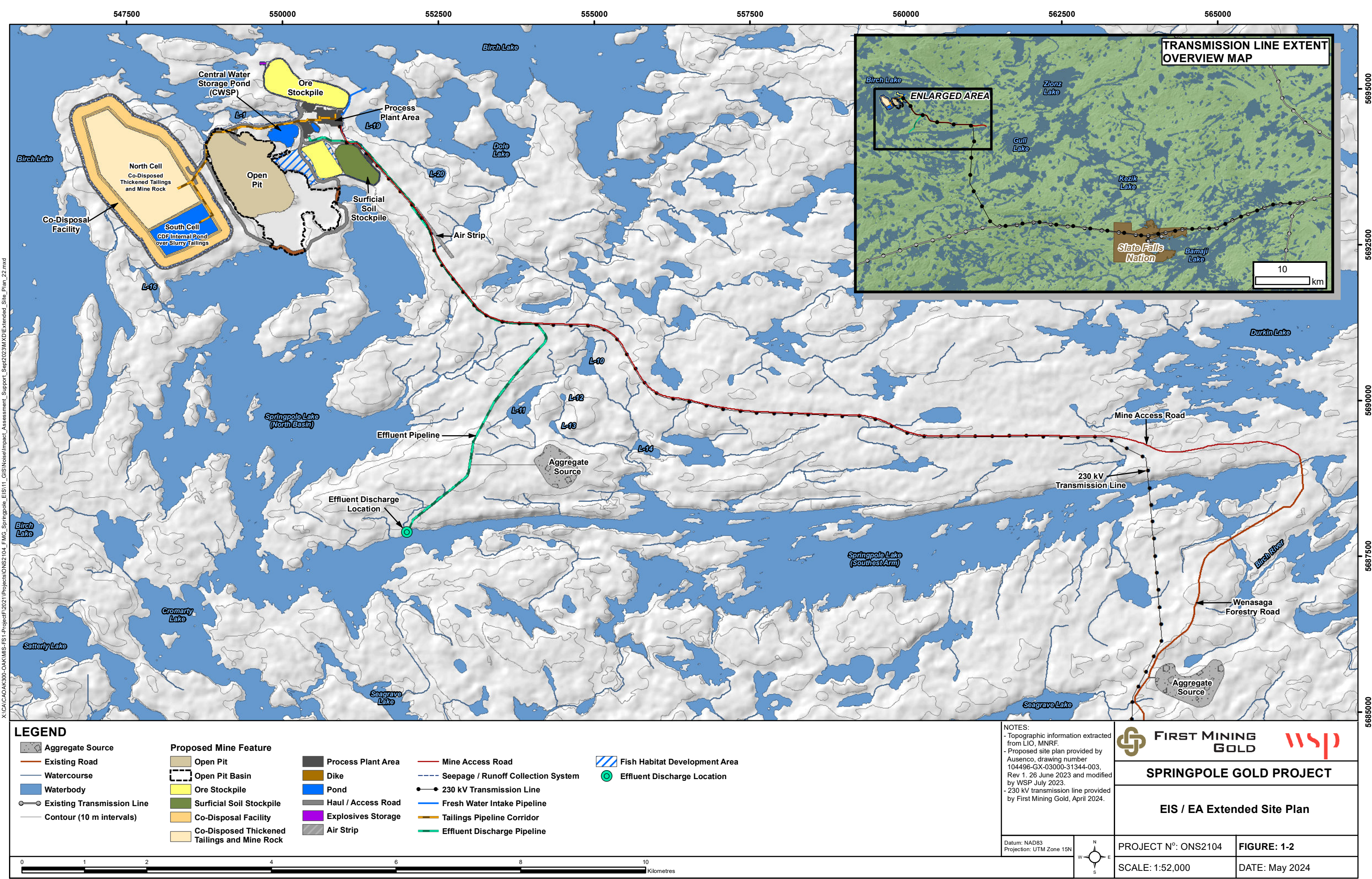
Noise technical terms and definitions are provided in Attachment C.

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LEGEND ★ Project Location ⊙ Town ⦿ First Nation Reserve ▲ Northwestern Ontario Métis Community — Highway — Secondary Road --- Resource / Winter Road —+— Railway 012.5255075100 Kilometres	NOTES: - Topographic information extracted from LIO, MNRF. Datum: NAD83 Projection: UTM Zone 15N N W E S	 FIRST MINING GOLD 	
		SPRINGPOLE GOLD PROJECT	
		Project Location	
		PROJECT N°: ONS2104	FIGURE: 1-1
		SCALE: 1:1,500,000	DATE: September 2024

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LEGEND			
Aggregate Source	Proposed Mine Feature	Process Plant Area	Mine Access Road
Existing Road	Open Pit	Dike	Seepage / Runoff Collection System
Watercourse	Open Pit Basin	Pond	230 kV Transmission Line
Waterbody	Ore Stockpile	Haul / Access Road	Fresh Water Intake Pipeline
Existing Transmission Line	Surfacial Soil Stockpile	Explosives Storage	Tailings Pipeline Corridor
Contour (10 m intervals)	Co-Disposal Facility	Air Strip	Effluent Discharge Pipeline
	Co-Disposed Thickened Tailings and Mine Rock		Fish Habitat Development Area
			Effluent Discharge Location

NOTES:

- Topographic information extracted from LIO, MNR.
- Proposed site plan provided by Ausenco, drawing number 104496-GX-03000-31344-003, Rev 1, 26 June 2023 and modified by WSP July 2023.
- 230 kV transmission line provided by First Mining Gold, April 2024.

Datum: NAD83
Projection: UTM Zone 15N

FIRST MINING GOLD

WSP

SPRINGPOLE GOLD PROJECT

EIS / EA Extended Site Plan

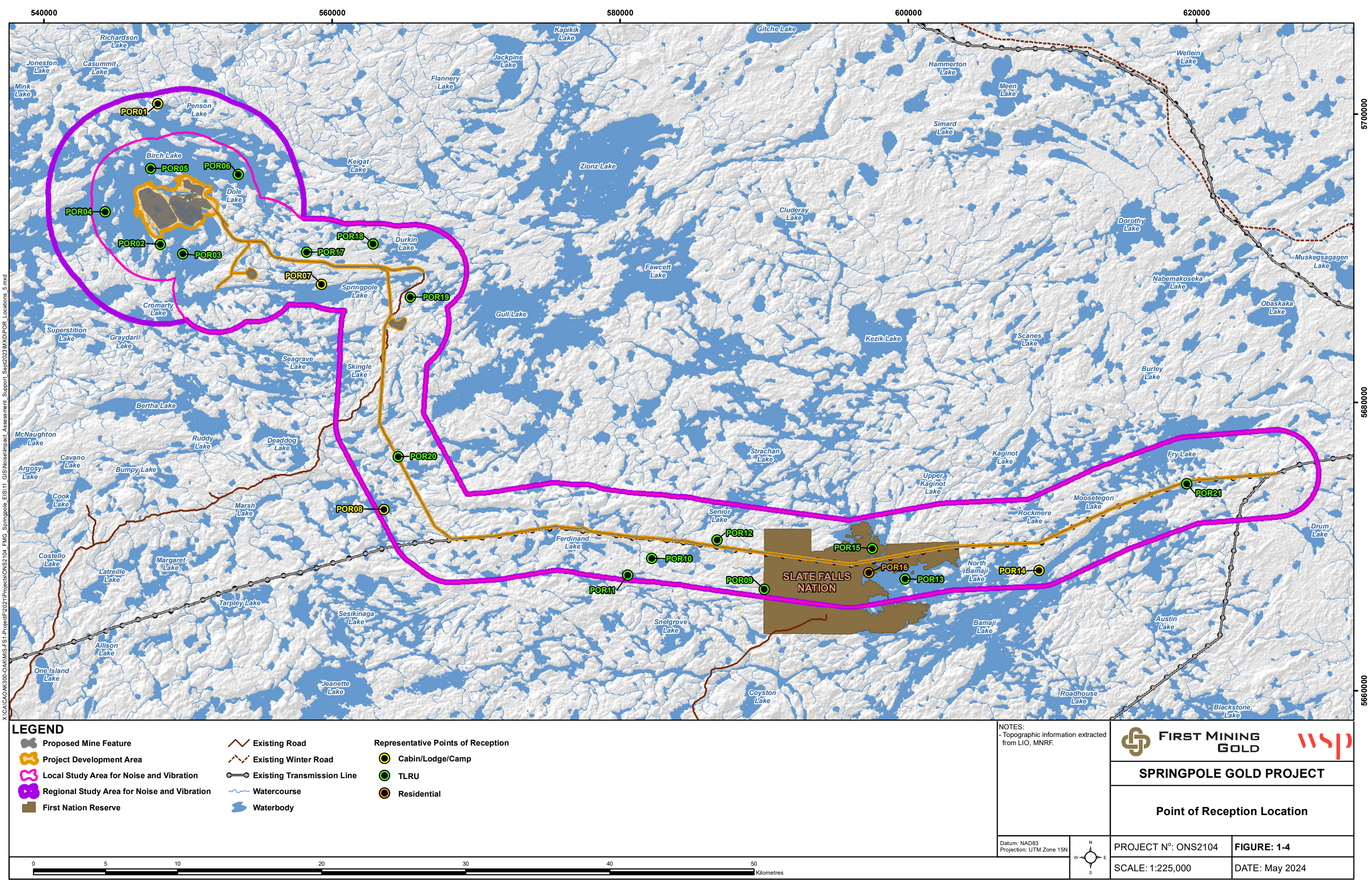
PROJECT N°: ONS2104

SCALE: 1:52,000

FIGURE: 1-2

DATE: May 2024





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LEGEND

Proposed Mine Feature

Project Development Area

Local Study Area for Noise and Vibration

Regional Study Area for Noise and Vibration

First Nation Reserve

Existing Road

Existing Winter Road

Existing Transmission Line

Watercourse

Waterbody

Representative Points of Reception

Cabin/Lodge/Camp

TLRU

Residential

NOTES:
- Topographic information extracted from LIO, MNRF.

Datum: NAD83
Projection: UTM Zone 15N

FIRST MINING GOLD

SPRINGPOLE GOLD PROJECT

Point of Reception Location

PROJECT N°: ONS2104

SCALE: 1:225,000

FIGURE: 1-4

DATE: May 2024

2.0 BASELINE SOUND CONDITIONS

Two baseline sound monitoring field programs have been conducted for the Project to characterize the existing acoustic environment and potential seasonal variability. Sound data was collected in April 2021, scheduled to avoid when leaves were on the trees (leaves-off program), to represent the acoustic environment when sounds due to nature are expected to be at a minimum. Sound data was also collected in June 2021, scheduled for when leaves were on the trees (leaves-on program) when sounds due to nature are expected to be at a maximum. Each field program involved unattended monitoring and occurred over a one-week period at two monitoring locations. The locations SP1, located north of the Project site, and SP2, located south of the Project site, were selected to be representative of potential PORs based on proximity and directionality in relation to the proposed Project location.

The baseline sound levels were characterized using a variety of sound metrics including the hourly A-weighted equivalent continuous sound level ($L_{Aeq-1hr}$) and the day-night sound level (L_{dn}) values. Summaries of the baseline levels obtained from the leaves-off and leaves-on programs are presented in Table 2-1. Details of the baseline sound monitoring field programs can be found in the baseline reports (WSP 2023b,c) under separate covers.

Table 2-1: Baseline Sound Levels Summary

Monitoring Location ⁽¹⁾	Sound Metrics Collected ⁽²⁾							
	Leaves-Off Program – April 2021				Leaves-On Program – June 2021			
	Daytime L _{Aeq} [0700-1900]	Evening L _{Aeq} [1900-2300]	Nighttime L _{Aeq} [2300-0700]	Day-Night Sound Level L _{dn}	Daytime L _{Aeq} [0700-1900]	Evening L _{Aeq} [1900-2300]	Nighttime L _{Aeq} [2300-0700]	Day-Night Sound Level L _{dn}
SP1	30	27	22	31	46	37	36	45
SP2	42	40	31	42	54	42	40	52

Notes:

- (1) While the locations monitored during the leaves-off and leaves-on programs were relatively consistent, the exact locations were offset from each other due to constraints of access during the field work.
- (2) The sound metrics were collected in terms of one-hour values and data collected during periods of inclement weather conditions and site inspection were excluded from the baseline assessment. For each of the metrics the following processing was considered:
 - L_{Aeq} Denotes the logarithmic average of the 1-hour L_{Aeq} collected. The daytime, evening and nighttime periods are defined as per NPC-300.
 - L_{dn} Denotes the logarithmic average of the day-night sound level calculated using the collected 1-hour L_{Aeq} data. The level was calculated for a 24-hour period with the nighttime contributions adjusted by +10 decibels (dB). The daytime and nighttime periods for calculation of L_{dn} as per Health Canada Noise Guideline are defined as: daytime period from 0700 to 2200 and nighttime period from 2200 to 0700.

3.0 SOUND SOURCE SUMMARY

3.1 Overview

There are various types of noise sources identified that are expected to operate at the Project site during all phases of the Project. The equipment list considered in the assessment has been developed based on the information presented in the *Technical Report and Pre-Feasibility Study* (PFS Report; AGP 2021) prepared for the Project, information provided by the engineering and Project team, and assumptions based on previous experience on similar projects. The mining equipment selections are considered to be representative of the equipment expected to be used for the Project.

The PFS Report lists the approximate quantity of equipment expected for mining operation and pre-production stripping. Although the quantities of equipment vary in each year, the Project can be classified into four major mine development stages, when the predictable worst-case scenario is expected to occur: Construction (Year -2), Pre-production (Year -1), Production (Year 1 to Year 8) and Stockpile Reclaim (Year 9 to Year 10). The noise levels from these four mine development stages, as well as the operation of the transmission line, were modelled and assessed in this Noise Modelling Report. The equipment used in each modelled stage is based on the year having the highest equipment quantity and/or material handling volume to assess the predictable worst-case noise levels. The key noise sources identified for the various Project components, during the four modelled stages of the mine are summarized in Table 3-1.

The mine site is planned to operate 24 hours per day with a similar level of activities through the daytime, evening and nighttime periods. For a conservative assessment, the amount of equipment presented in Table 3-1 was modelled in full (i.e., 100% quantity and operating time), unless otherwise noted, despite the fact that not all equipment may be available at a time due to reasons such as repair and maintenance. Based on a review of the estimated equipment quantity and total operating hours per year, a detailed projection of annual usage (i.e., percentage of time) was calculated for each piece of equipment. The results show that in general, most of the production equipment (e.g., drills, loading and hauling equipment) will be used less than 85% of the time. The supporting equipment (e.g., maintenance trucks) will run for a limited period per day ranging from 1 to 12 hours. To reflect the predicted equipment utilization and also model for the worst-case operation hour, the production drills are assumed to be operating 50% of the time within the hour during the construction and stockpile reclaim stages, and all other equipment are assumed to be in steady operation for the full hour for all four mine development stages. Construction equipment used for the mine access road and transmission line were modelled to operate at the usage factors presented in Table 3-1.

Sound emission values for the equipment were estimated using the following sources: manufacturer data based on the preliminary equipment selections, WSP's sound power level database, noise assessments for similar equipment from other similar mining projects, or reference levels published in the *Roadway Construction Noise Model (RCNM) User's Guide* (U.S. Department of Transportation 2006). Mechanical and processing equipment housed inside buildings were not modelled, as detailed information on equipment selection and building design has yet to be developed. Further, buildings will be designed such that noise level contributions from noise sources located inside buildings will be acoustically insignificant (i.e., have no impact on the overall sound levels at any of the representative PORs).

An airstrip may be constructed onsite (for use by Dash-8 type aircraft) to support up to two flights per week during construction, operation and decommissioning and closure phases of the Project. As the noise effect from aircraft is expected to be infrequent, the use of the airstrip was modelled and assessed separately from the rest of the noise sources.

A summary of the key noise sources is provided for each modelled mine development stage in Table A-1A through Table A-1D (Attachment A) including maximum allowable sound power levels, sound characteristics, and any applicable noise control measures. The locations of the major noise sources considered in the assessment are shown in Figures A-1 through A-4 (Attachment A). The following sections further describe the modelled stages of the Project.

3.2 Construction

The construction stage (Year -2) modelling assesses the potential noise levels from the construction of major onsite infrastructure before the start of mining activity in the open pit. During the site construction, the majority of the production equipment will be around the dikes and fish habitat development area. The transmission line and mine access road construction are also included in this stage; these two construction activities will be limited to 12 hours per day during the daytime period (i.e., 0700-1900). The pumps used for controlled dewatering the open pit basin during this stage were modelled along the dikes. Haulage truck movement is predicted to be between the fish habitat development area (the main aggregate source for construction material) and dikes. The haulage truck traffic estimated in the assessment is presented in Table 3-2 for each modelled stage. Operations at the aggregate sites located away from the mine site are also included in this stage.

Note that for noise modelling of the transmission line construction, noise sources were located as shown in Figure A-1, as well as at locations along the transmission line alignment nearest to each of the representative PORs.

In addition to the noise sources listed in Table 3-1, helicopter use is expected to support the construction of the transmission line. Due to the expected infrequent nature of noise effects, helicopters were modelled and assessed separately from the rest of the noise sources.

3.3 Production

Mining activity is expected to commence in advance of the ore processing plant achieving commercial production. Pre-production (Year -1) covers the start of major mining activity using the larger equipment when the controlled dewatering of the open pit basin dewatering has advanced sufficiently for mining and the site infrastructure (e.g., transmission lines, roads) are in place.

Peak-production (Year 4)¹ is expected to have the highest equipment quantity and material handling volume with increased activity in the open pit and a fully operational process plant. The mining plan and open pit development information were considered in the assessment to determine the general location and ground elevation of the modelled equipment. The production drills were modelled inside the pit and accompanied by the loader, shovel, grader, track dozer and backhoe which are expected to operate adjacent to the production drills in the pit. The blaster's truck and loader are also expected to be used around the drills in the pit in preparation for blasting. The pumps were modelled for pit dewatering with a set of six pumps in the pit and two pumps on the surface to push the water to the central water storage pond. The CDF will be maintained by the track dozer, grader and compactor. Light plants have been modelled to be operational during the evening and nighttime in the most active areas of the Project site, including the CDF and the open pit.

¹ The peak-production scenario represented by Year 4 was developed based on the maximum material volume moved during Year 3 and Year 4 to represent a predictable worst-case scenario.

The noise sources for the processing plant are consistent with other similar projects with similar processing plant designs. It was assumed that the generators will be enclosed with a silenced exhaust and that the ball mills will be enclosed. For a conservative assessment, it was assumed that all other equipment listed in Table 3-1 will operate outdoors.

The movement of the haulage trucks were modelled along the haul roads between the open pit, process plant, stockpiles and the CDF, as well as travelling around or within the open pit, stockpiles and CDF. The traffic counts are based on the metric tonnes of mine rock and ore predicted for each year of mining operation provided by the FMG engineering team. The tailings produced from mineral processing will generally be moved to the CDF via pipeline.

3.4 Stockpile Reclaim

The open pit will be in operation until Year 9, with two years of stockpile reclaim to feed the ore processing plant in years 9 and 10. This stage is expected to be similar to the production stages but with reduced activity in the open pit until the pit mining is complete and processing continues solely from stockpiles. The haulage truck movement is predicted to be primarily between the stockpiles and processing plant for transportation of ore for mineral processing. The tailings produced from mineral processing will generally be moved to the CDF via a pipeline.

3.5 Support Equipment

There are several sources of noise that are expected to have mutual operation in all four modelled mine development stages, most of which are in the road maintenance and general support equipment categories listed in Table 3-1. Water and fuel trucks are predicted to patrol the haul roads to provide support where needed. Road crew dump trucks, smaller backhoe, and loader are expected to be responsible for cleaning out sedimentation ponds and water ditch repairs. The mechanics truck and welding truck have been modelled as pickup trucks in the assessment. Pickup trucks are predicted to move all over the Project site along the haul roads and the mine access road adjacent to the accommodations complex.

3.6 Transmission Line

Audible noise may be emitted by the operation of a transmission line when the conductor interacts with the air surrounding the conductor surface, known as corona, depending on weather conditions (i.e., wind, rain and/or fog). The noise emitted typically resembles a crackling sound.

Transmission lines are designed, constructed, and maintained so that, during dry conditions, corona-related sound is minimized. Further details on the prediction of noise levels from the operation of the transmission line and the relevant input parameters are provided in Section 6.1.

Table 3-1: Key Noise Sources

Category	Equipment ⁽¹⁾	Equipment Quantities during Different Phases ⁽¹⁾⁽²⁾			
		Year -2	Year -1	Year 4	Year 9
Open Pit Production / Fish Habitat Development Area	Production Drill (140 mm)	2 @ 50%	2	2	1 @ 50%
	Production Drill (251 mm)	-	1	3	2 @ 50%
	Production Loader	-	1	1	1
	Hydraulic Shovel (Electric)	-	1	2	2
	Production Backhoe	1	1	1	1
	Track Dozer	1	2	3	3
	Grader	-	1 @ 50% ⁽³⁾	1 @ 50% ⁽³⁾	1 @ 50% ⁽³⁾
	Blasting Loader	1	1	1	1
	Blaster's Truck	1	1	1	1
	Light Plants	3	3	3	3
	Pump Truck	1	1	1	1
	Dewatering Pumps	4	2	8	11
Offsite Maintenance and Other Activities	Crane	-	1	1	1
	Track Dozer	-	1	1	1
	Dump Truck	-	2	2	2
	Support Backhoe	-	1	1	1
	Offsite Material Transport Truck	-	-	1	1
CDF	Track Dozer	1	2	2	2
	Grader	-	1 @ 50% ⁽³⁾	1 @ 50% ⁽³⁾	1 @ 50% ⁽³⁾
	Compactor	1	1	1	1
	Light Plants	3	3	3	3
Haulage Trucks	Haulage Truck (91 t)	2	2	-	-
	Haulage Truck (240 t)	-	5	17	17
Plant	Crusher Loader	-	-	1	1
	Dust Collectors	-	-	6	6
	Dust Collector Fans	-	-	6	6
	Compressors	-	-	6	6
	Rock Breaker	-	-	1	1
	Crushers	-	-	2	2
	Apron Feeders	-	-	6	6
	Vibrating Feeders	-	-	4	4
	Conveyors	-	-	9	9
	Pumps	-	-	21	21
	Generators	-	-	5	5
	Scrubbers	-	-	7	7
	Scrubber Fans	-	-	7	7
	High Pressure Grinding Rolls (HPGR)	-	-	2	2
	Ball Mills	-	-	2	2
	Ball Mill Cyclones	-	-	2	2
	Gravity Concentrator	-	-	1	1
	Air Dryer	-	-	1	1
	Flocculant Preparation Blower	-	-	1	1
	Other Exhaust Fans	-	-	1	1
Power Substation	230/25 kV Step-Down Transformer	1	1	1	1

Table 3-1: Key Noise Sources

Category	Equipment ⁽¹⁾	Equipment Quantities during Different Phases ⁽¹⁾⁽²⁾			
		Year -2	Year -1	Year 4	Year 9
Road Maintenance	Snowplow / Water Truck	1	2	2	2
	Grader	1	1	1	1
	Road Crew Dump Truck	-	2	2	2
	Road Crew Loader	-	1	1	1
	Road Crew Backhoe	-	1	1	1
Support Equipment	Tire Manipulator	-	1	1	1
	Lube / Fuel Truck	1	1	1	1
	Mechanics Truck	1	1	1	1
	Welding Truck	1	1	1	1
	Integrated Tool Carrier	1	1	1	1
	Manbus	1	1	1	1
	Pickup Trucks	15	15	15	15
	Crane	1	1	1	1
	Transport Truck / Lowboy	1	1	1	1
Mine Access Road Construction	Dump Truck	4 @ 40%	-	-	-
	Loader	2 @ 40%	-	-	-
	Grader	1 @ 40%	-	-	-
	Compactor	4 @ 20%	-	-	-
	Dozer	3 @ 40%	-	-	-
	Excavator	2 @ 40%	-	-	-
	Crane	1 @ 20%	-	-	-
	Pile Driver	1 @ 20%	-	-	-
	Pickup Truck	5 @ 40%	-	-	-
	Flat Bed Truck	2 @ 50%	-	-	-
	Skid Steer	2 @ 40%	-	-	-
	Water Truck	1 @ 40%	-	-	-
	Gravel Truck	4 @ 40%	-	-	-
	Packer	2 @ 20%	-	-	-
	Drill	4 @ 20%	-	-	-
	Rock Crusher	2 @ 50%	-	-	-
	Explosives Truck	1 @ 50%	-	-	-
Transmission Line Construction	Dozer	2 @ 40%	-	-	-
	Excavator	6 @ 40%	-	-	-
	Digger Derrick with Bucket	2 @ 40%	-	-	-
	Line Truck	3 @ 40%	-	-	-
	Concrete Mixer	1 @ 40%	-	-	-
	Gravel Truck	3 @ 40%	-	-	-
	Flat Bed Truck	2 @ 50%	-	-	-
	Rubber Tire Backhoe	1 @ 40%	-	-	-
	Pickup Truck	2 @ 40%	-	-	-
	Crane	3 @ 20%	-	-	-
	Tracked Excavator	1 @ 40%	-	-	-

Table 3-1: Key Noise Sources

Category	Equipment ⁽¹⁾	Equipment Quantities during Different Phases ⁽¹⁾⁽²⁾			
		Year -2	Year -1	Year 4	Year 9
Aggregate Pits	Excavator	1	-	-	-
	Dump Truck	2	-	-	-
	Screen	2	-	-	-
	Wash Plant	1	-	-	-

Notes:

- (1) The equipment modelled were based on information presented in Table 21-8 and Table 21-9 of the PFS Report, information provided by the FMG engineering team, and assumptions based on experience on similar projects. Sound power levels of modelled equipment were based on manufacturer specification, WSP database, noise assessments for similar equipment from another mining project provided by the Project team, or levels published in the RCNM Guide (U.S. Department of Transportation 2006).
- (2) Modelled stages: Year -2: Construction; Year -1: Pre-production; Year 4: Peak-production; Year 9: Stockpile reclaim.
- (3) Based on the information provided by the FMG engineering team, it is assumed that one grader will be maintaining the open pit production / fish habitat development area and CDF areas for 30 minutes within an hour at each location.

Table 3-2: Haulage Truck Traffic Distribution

Phase ⁽³⁾	Haulage Truck Distribution On Site ⁽¹⁾⁽²⁾								
	Pit to Plant	Pit to Low Grade Ore Stockpile	Pit to CDF	Pit to High/Mid Grade Ore Stockpile	Pit to Surficial Stockpile	Stockpiles to Plant	Fish Habitat Development Area to East/West Dike	Total	
	HT-1	HT-1	HT-1	HT-1	HT-1	HT-1	HT-2	HT-1	HT-2
Year -2	0	0	0	0	0	0	2	0	2
Year -1	1	1	5	1	2	0	2	10	2
Year 4	8	1	14	2	2	0	0	27	0
Year 9	1	0	0	0	0	4	0	5	0

Notes:

- (1) Distribution expected during the worst-case predictable hour. Modelled trucks:
HT-1: Haulage Truck 240 t; and
HT-2: Haulage Truck 91 t.
- (2) The presented traffic counts were multiplied by 2 for input into the noise modelling to account for a round trip.
- (3) Modelled stages: Year -2: Construction; Year -1: Pre-production; Year 4: Peak-production; Year 9: Stockpile reclaim.

4.0 POINT OF RECEPTION SUMMARY

Noise receptors of interest according to the MECP NPC-300 guideline (MECP 2013) generally include the following noise sensitive land uses:

- permanent, seasonal, or rental residences;
- hotels, motels and campgrounds;
- schools, universities, libraries, and daycare centres;
- hospitals and clinics, nursing / retirement homes; and
- churches and places of worship.

The Health Canada Noise Guideline expands this definition of a noise receptor to include recreational areas and areas of importance to Indigenous communities (i.e., hunting, fishing, camping, and areas of spiritual importance) that could potentially be affected by noise from the Project. The Project site and surrounding area are mainly characterized by gentle hills, forests, lakes, and rivers. Potential PORs were identified as potential receptors in the vicinity of the Project. These consist of Indigenous points of interest identified through traditional land use studies and engagement and potential recreational and cabin sites identified through a review of the Ministry of Natural Resources Land Information Ontario geographic datasets.

Representative PORs considered in this assessment were selected from the potential PORs that were located inside the noise and vibration Regional Study Area, defined as a buffer of 6 km around the Project Development Area (i.e., mine site footprint with a 250 m buffer) and 3 km around the mine access road and transmission line corridor. A total of 21 representative PORs were selected, including 6 in the vicinity of the mine site and 15 along the transmission line (Figure 1-4). The PORs are representative of locations that include residences, seasonal cabins, lodges and camps, and Indigenous land uses. The assessment location for all PORs associated with a building is assumed to be at the plane of window, 4.5 metres (m) above ground to represent a potential second storey, which is considered a conservative assessment based on the large distance between the Project and the PORs. The assessment location for all PORs associated with outdoor land uses are assumed to be at a height of 1.5 m. The complete list of representative PORs and their UTM coordinates are provided in Table 4-1.

Section 2.0 summarizes the baseline noise levels established at two locations, SP1 and SP2, based on the proximity and directionality relative to the Project site. The baseline measurements taken at these locations were used to assess the Project noise levels against the Health Canada Noise Guideline (Health Canada 2023) in Section 5.0. Baseline noise levels captured at SP1 are considered representative of the PORs identified north of the Project site, while SP2 was used to characterize the PORs identified south of the Project site, in the vicinity of the mine site. The lower baseline noise levels (i.e., those measured at SP1) were used to characterize the representative PORs located further from the mine site, along the transmission line. Note that the lower baseline noise levels are below the default noise levels that the Health Canada Noise Guideline provides for quiet rural areas.

Table 4-1: Representative Points of Reception

Point of Reception ID	Description	Assessment Location Height (m)	UTM Coordinates (NAD 83; Zone 15N)	
			Easting (m)	Northing (m)
POR01	Cabin/Lodge Site_13	4.5	547907	5700737
POR02	Traditional Land Use Area	1.5	548092	5690987
POR03	Fish Harvest	1.5	549656	5690307
POR04	Fish Harvest	1.5	544260	5693233
POR05	Fish Harvest	1.5	547428	5696234
POR06	Fish Harvest	1.5	553496	5695821
POR07	Cabin	4.5	559261	5688223
POR08	Camp	1.5	563621	5672599
POR09	Traditional Land Use Area	1.5	590007	5667054
POR10	Traditional Land Use Area	1.5	582183	5669202
POR11	Traditional Land Use Area	1.5	580530	5668044
POR12	Traditional Land Use Area	1.5	586716	5670462
POR13	Traditional Land Use Area	1.5	599770	5667769
POR14	Camp	1.5	609062	5668361
POR15	Traditional Land Use Area	1.5	597511	5669880
POR16	Slate Falls Nation Community	4.5	597265	5668219
POR17	Traditional Land Use Area	1.5	558246	5690430
POR18	Traditional Land Use Area	1.5	562850	5691012
POR19	Traditional Land Use Area	1.5	565443	5687308
POR20	Traditional Land Use Area	1.5	564596	5676227
POR21	Traditional Land Use Area	1.5	619312	5674375

5.0 APPLICABLE GUIDELINES

5.1 Provincial Noise Guidelines

5.1.1 Stationary Sources

The applicable provincial noise guideline used to assess the Project is the MECP's NPC-300. The guideline establishes four classes of acoustical environments based on the ambient background sound environments and establishes class specific sound level limit criteria for the provincial environmental permitting process. The MECP classes as per NPC-300 are described as follows:

- Class 1 Area: an area with an acoustical environment typical of a major population centre, where the background sound level is dominated by the urban hum.
- Class 2 Area: an area with an acoustical environment that has qualities representative of both Class 1 and Class 3 Areas. Class 2 areas are characterized by the absence of urban hum, with a relatively low ambient sound level during the evening (i.e., between 1900 and 2300 hours), which is typically present within Class 1 areas during the same time period.
- Class 3 Area: a rural area with an acoustical environment dominated by natural sounds having little or no road traffic. Examples are small communities with populations of less than 1,000, agricultural areas, rural recreational areas, such as a cottage or a resort area, and wilderness areas.
- Class 4 Area: an area that would otherwise be defined as Class 1 (urban) or Class 2 (suburban) which has higher sound level criteria compared to any other Class. This Class is intended to assess new noise-sensitive developments within or adjacent to industrial areas. In contrast to the other classes, a Class 4 area requires the formal confirmation of the local land use planning authority.

The area surrounding the Project is best described as a Class 3 Area, as per the guideline. NPC-300 states that non-impulsive (steady) one-hour sound levels ($L_{Aeq-1hr}$) from stationary sound sources in Class 3 Areas shall not exceed the following;

- The higher of the 45 A-weighted decibels (dBA) MECP exclusionary sound level limit or background sound at both outdoor and plane of window receptor locations during daytime hours (0700 to 1900).
- The higher of the 40 dBA MECP exclusionary sound level limit or background sound at both outdoor and plane of window receptor during the evenings (1900 to 2300), and at the plane of window during nighttime (2300 to 0700).

Note that as discussed in Section 4.0, the assessment location for all PORs associated with buildings (e.g., cabins) were conservatively selected to be at the plane of window at a height of 4.5 m. It is expected that predicted noise levels will be the same or higher at this height than the outdoor location (i.e., at a height of 1.5 m) associated with these PORs based on the large distance between the Project and the PORs.

The guidelines also stipulate that the assessment consider the potential noise impact during a predictable worse case hour of operation, which is defined as a situation when the noise emissions from the Project result in the greatest impact at a POR, relative to the applicable limit. Based on a review of the baseline sound levels presented in Section 2.0 and the baseline reports (WSP 2023b,c) and the above discussion, the MECP exclusionary sound limits were used for this assessment.

NPC-300 does not provide limits for temporary construction or aircraft use for the purpose of an approval. For the purposes of this assessment, mine site activities occurring during construction (Year -2) were still assessed against NPC-300 sound level limits as the activities and associated equipment are similar to those

during mining operations. Offsite construction activities (e.g., construction of the transmission line) and the use of the airstrip were not assessed against NPC-300 sound level limits. PORs that do not meet NPC-300's definition of a receptor described in Section 4.0 (i.e., fish harvest locations) would not be considered in the approval process, and therefore, NPC-300 criteria were not assessed at these locations. For PORs where the specific use was unknown, NPC-300 limits were applied.

5.1.2 Transmission Line Operation

The MECP has a noise guidance document *Protocol for the Measurement and Prediction of Audible Noise from HV Transmission Lines*, Publication NPC-360 (MECP 2011) that outlines the methods and criteria for assessing corona noise from transmission lines. NPC-360 provides a noise limit of 55 dBA at the nearest POR following the NPC-360 calculation method. NPC-360 requires assessment of PORs within 200 m of the transmission line right-of-way (ROW).

5.2 Health Canada Noise Guideline

The Health Canada Noise Guideline (Health Canada 2023) provides guidance on predicting health risks related to levels and/or types of noise predicted in federal EAs of proposed major resource and infrastructure projects (e.g., mines, dams, pipelines and other projects). In the context of an EA, the Health Canada Noise Guideline considers various noise effects, including those associated with sleep disturbance, interference with communication, noise complaints and a high level of annoyance. A brief description of the effects associated with noise as discussed in the Health Canada Noise Guideline and considered relevant for the purposes of this assessment is presented in Section 5.2.1. Based on the relevant guidelines, the noise effect criteria established for the Project are presented in Section 5.2.2.

5.2.1 Potential Effects Associated with Noise

5.2.1.1 Noise-Induced Sleep Disturbance

Health Canada considers the guidelines and recommendations of the WHO regarding sleep disturbance, in particular for quiet rural areas and susceptible populations such as those in hospitals, or convalescent or senior homes (Health Canada 2023). Table 5-1 provides a summary of the guideline levels presented in the Health Canada Noise Guideline.

5.2.1.2 Interference with Speech Comprehension

The recommended sound levels to maintain good speech comprehension are defined with respect to indoors and outdoors. Based on reviews of relevant studies, Health Canada recommends that the daytime noise due to project activities as measured indoors should be maintained below 40 dBA to sustain adequate speech comprehension, and below 55 dBA as measured outdoors for outdoor speech comprehension (Health Canada 2023).

5.2.1.3 Indicator of Potential Human Health Effects

Health Canada considers certain community reactions to project-related noise to represent potential indicators of adverse health (Health Canada 2023). Two of the most common community reactions include complaints and annoyance. When the outdoor day-night sound levels (L_{dn}) from project-related sound levels reaches 62 dBA, it is considered that widespread complaints can, or are likely to, occur. When project-related sound levels are greater than 75 dBA (L_{dn}), complaints can be expected to include strong appeals to authorities to stop noise.

The percent highly annoyed (%HA) is also an important factor to consider for both community complaints and long-term high annoyance. Health Canada uses the change in %HA as the indicator of noise-induced human health effects from exposure to project operational noise and to long-term construction noise

exposure. To assess the effects of noise from projects using this indicator, the project-related change in the sound environment and the related increase in %HA are evaluated using the dose-response relationship between day-night noise levels (L_{dn}) and annoyance as per ISO 1996-1:2003 (ISO 2003). Noise mitigation measures should be considered when a change in the calculated %HA at any given receptor location exceeds 6.5%.

Due to the expected heightened sensitivity to noise in quiet rural areas, baseline and Project noise levels in quiet rural areas are adjusted by adding 10 dB for use in the %HA equation, which results in a greater calculated change in %HA.

5.2.2 Established Limits

Based on the discussions presented in Section 5.2.1, the criteria established for the Project in the context of a federal EA in accordance with the Health Canada Noise Guideline are summarized in Table 5-2. The noise criteria have been established based on the various indicators presented in the Health Canada Noise Guideline (Health Canada 2023). When multiple criteria exist for a specific metric, the most stringent level was adopted.

For noise-induced sleep disturbance, the L_n criteria (i.e., 40 dBA) was used over the nighttime $L_{Aeq-1hr}$ criteria (i.e., 45 dBA). Even though the L_n criterion is defined as an annual average, while the noise modelling presented in this report was conducted for the predictable worst-case hour scenario, as a conservative assessment the L_n criterion was applied to the predicted nighttime noise levels for the predictable worst-case hour.

For PORs not expected to be used for sleeping (i.e., fish harvest locations), sleep disturbance criteria were not assessed.

For infrequent noise events due to the use of the airstrip, the outdoor L_{Amax} (A-weighted maximum noise level) criteria for sleep disturbance (i.e., 60 dBA) was considered. Health Canada considers the L_{Amax} limit to be applicable if it's exceeded more than 10 to 15 times per night (see Table 5-1). Although aircraft events are expected to occur infrequently (e.g., the airstrip is expected to have two flights per week), the L_{Amax} limit has conservatively been applied as the limit for airstrip use for the purposes of this assessment. As helicopter use is expected as part of transmission line construction, it has been assessed against the %HA criteria, consistent with the construction of the transmission line.

Table 5-1: Health Canada Guidelines for Noise-Induced Sleep Disturbance

Noise Metric	Receptor Location	
	Indoor	Outdoor ⁽¹⁾
$L_{Aeq}^{(2)}$	30 dBA	45 dBA
$L_{Amax}^{(3)}$	45 dBA	60 dBA
$L_n^{(4)}$	N/A	40 dBA

Notes:

- (1) An outdoor-to-indoor transmission loss of 15 dB is assumed for buildings with windows at least partially open.
- (2) The guideline level is defined with respect to L_{Aeq} for continuous noise during the sleep period.
- (3) The guideline level is defined with respect to individual noise events and the specified L_{Amax} level should not be exceeded by more than 10 to 15 times per night.
- (4) The guideline level is defined with respect to L_n as the nighttime annual average.

Table 5-2: Outdoor Noise Effects Criteria Based on Health Canada Noise Guideline

Noise Metric ^(1,2)	Noise Criteria	
	Limit	Consideration
Daytime $L_{Aeq-1hr}$	55 dBA	Interference with Speech Comprehension
Nighttime $L_{Aeq-1hr}$	40 dBA	Noise-Induced Sleep Disturbance
%HA ⁽³⁾	6.5%	Long Term Community Annoyance
$L_{Amax}^{(4)}$	60 dBA	Sleep Disturbance due to Infrequent Aircraft Events

Notes:

- (1) The noise metrics are defined for outdoors. An outdoor-to-indoor transmission loss of 15 dB is assumed in the Health Canada Noise Guideline for buildings with windows at least partially open, and it is considered that by meeting the outdoor noise criteria, the indoor noise limits will be respected.
- (2) The daytime and nighttime periods are defined as per Health Canada Noise Guideline: daytime period from 0700 to 2200 and nighttime period from 2200 to 0700.
- (3) Due to the remote nature of the Project PORs, a 10 dB correction was added to the baseline and Project noise levels for use in the %HA equation, as per the Health Canada Noise Guideline.
- (4) The guideline level is defined with respect to individual noise events and the specified L_{Amax} level should not be exceeded by more than 10 to 15 times per night.

6.0 NOISE EFFECTS ASSESSMENT

6.1 Methodology

The noise assessment for the Project was completed using the sound prediction software package, Cadna/A, published by Datakustik GmbH, which was configured to implement the ISO 9613-2 (ISO 1996) environmental sound propagation algorithm and, when assessing the airstrip, the Federal Aviation Administration's (FAA's) Integrated Noise Model (INM). The Cadna/A noise modelling software is widely accepted by the consulting industry and the MECP. All steady noise sources were modelled to operate simultaneously to model the predictable worst-case scenarios for four mining development stages of the Project: Construction (Year -2), Pre-production (Year -1), Peak-production (Year 4) and Stockpile Reclaim (Year 9) operations.

In order to predict the expected sound levels at the receptors due to noise emissions from a specific source(s), the modelling took into account the following factors:

- source sound power level and directivity;
- distance attenuation;
- source-receptor geometry, including heights and elevations;
- barrier effects of the building and surrounding topography; and
- ground and air (atmospheric) attenuation.

A digital terrain model for the site and surrounding area was provided and used to consider terrain in the calculation of sound levels. Ground attenuation was assumed to be spectral for all sources, with the ground factor (G) 0 for waterbodies, 0.5 for the Project footprint and 1 elsewhere. The attenuation effects of foliage (trees) were not considered in order to produce a conservative, predictable worst case, prediction of sound levels. Key modelling parameters are provided in Attachment D.

Noise associated with the airstrip was predicted independently of the mining operations and modelled using the FAA's INM implemented in Cadna/A. The FAA's INM has been replaced by the Aviation Environment Design Tool (AEDT) for all United States domestic analyses requiring FAA review, however INM is considered appropriate for the purposes of this assessment as it is still implemented in the most current version of Cadna/A while AEDT is not. The INM generates noise prediction results for aircraft arrivals, departures, and flight paths for specific aircraft types. Corrections are applied for atmospheric acoustical attenuation, acoustical shielding of the aircraft engines by the aircraft itself, and aircraft speed variations. The source of Dash-8 noise emission and flight parameter data was the Aircraft Noise Performance (ANP) database (version 3.2), which has a substantial database of noise emissions for various aircraft. In the absence of detailed flight path information, aircraft were modelled along straight flight paths upon arrival and departure.

Noise associated with a helicopter hovering, which is the primary function of a helicopter during transmission line construction, was modelled using ISO 9613-2 algorithm in Cadna/A and helicopter noise emission data from the AEDT software. For the purposes of the assessment and to calculate the %HA due to helicopter use, a helicopter was modelled to be hovering in the vicinity of a POR for a total of one hour during a single daytime period.

Noise levels from the transmission line operation were predicted independently of the mine development stages, following the methods provided in NPC-360, which provides a number of formulas to calculate the average noise levels during steady, light to moderate rain. Table 6-1 outlines the modelling inputs required for the NPC-360 calculations.

6.2 Results

Noise modelling was used to assess four stages of the Project: Year -2, Year -1, Year 4 and Year 9. The combined steady sound levels (L_{Aeq} , dBA) for the predictable worst-case hour scenario were calculated at all of the identified PORs using the methods in Section 6.1 and the sound emissions from the individual significant sources, as summarized in Attachment A, Tables A-1A through A-1D. The L_{Amax} levels from aircraft events at the airstrip were predicted at all identified PORs using the methods in Section 6.1.

The mine development stages were assessed for daytime, evening and nighttime as per provincial and federal compliance limits. For Years -1, 4 and 9, as the site and associated activities are planned to operate 24 hours per day, it is expected that the Project noise emissions will be similar during the daytime, evening and nighttime periods. The noise contours for the predictable worst-case scenarios are shown in Attachment A, Figure A-5 through Figure A-12:

- Figure A-5 and Figure A-6 represent the L_{Aeq} noise contours for Year -2 during daytime and evening/nighttime, respectively;
- Figure A-7 represents the L_{Aeq} noise contours for Year -1 during daytime/evening/nighttime;
- Figure A-8 represents the L_{Aeq} noise contours for Year 4 during daytime/evening/nighttime;
- Figure A-9 represents the L_{Aeq} noise contours for Year 9 during daytime/evening/nighttime;
- Figure A-10, A-11, A-12, and A-13 represent the L_{Amax} noise contours for the airstrip operation: southern arrival, southern departure, northern arrival, and northern departure, respectively; and
- Figure A-14 represents the L_{Amax} noise contours for helicopter operation during transmission line construction.

Sample calculations are provided in Attachment D.

6.2.1 Stationary Sources

6.2.1.1 Provincial Assessment Framework

A summary of the noise modelling results assessed against the provincial assessment framework (i.e., MECP NPC-300) is presented in Table 6-2. As discussed in Section 5.1.1, MECP NPC-300 sound level limits were not applied to PORs which do not meet the NPC-300 definition of a receptor (POR03 to POR06) or to transmission line construction (i.e., the Project activity occurring near POR08 to POR16, POR20, and POR21). Predicted Year -2 daytime noise levels at POR07, POR17, POR18 and POR19 were primarily influenced by the mine access road construction and transmission line construction and therefore were not compared to MECP NPC-300 daytime sound level limits. Year -2 daytime noise levels in the absence of the mine access road construction and transmission line construction are equivalent to the evening/nighttime noise levels. Under the predictable worst-case mine development scenarios, the modelled sound levels are expected to meet the MECP NPC-300 guideline limits at all PORs, during daytime, evening, and nighttime periods, for all assessed scenarios.

A summary of predicted noise levels at the PORs is provided in Attachment A, Table A-3A, Table A-3B, Table A-3C and Table A-3D for Year -2, Year -1, Year 4 and Year 9, respectively. The values in these tables represent individual contributions at the receptor locations from each of the sources identified in Attachment A, Tables A-1A through A-1D. An acoustic assessment summary is provided in Attachment A, Table A-4. Key parameters included in the model and sample calculations are provided in Attachment D.

6.2.1.2 Federal Assessment Framework

The modelled sound levels were also assessed against the Health Canada Noise Guideline limits (2023). Under the predictable worst-case hour scenario ($L_{Aeq-1hr}$), the sound levels from activities occurring on the mine site and mine access road are expected to meet the guideline limits (i.e., 55 dBA during the daytime for speech intelligibility, 40 dBA during the nighttime for sleep disturbance) at all PORs, during daytime and nighttime periods, for all modelled mine development scenarios.

Given the representative construction scenario assessed, the construction of the transmission line is expected to result in exceeding the Health Canada Noise Guideline $L_{Aeq-1hr}$ limits at representative PORs within approximately 400 m of the transmission line, as shown in Figure A-5. Therefore, noise mitigation measures during construction of the transmission line will be implemented to minimize noise effects at PORs within 400 m of the transmission line; these are further discussion in Section 6.3. A summary of the noise modelling results with respect to the $L_{Aeq-1hr}$ metric is presented in Table 6-2.

The modelled sound levels for each mine development stage were also assessed against the change in %HA criterion as identified in Table 6-3. This metric requires the use of baseline sound levels summarized in Sections 2.0 and 4.0. A summary of the noise modelling results with respect to the L_{dn} and %HA metrics is presented in Table 6-3. Details of the %HA calculation for Year -2, Year -1, Year 4 and Year 9 operations are provided in Attachment A, Table A-4A, Table A-4B, Table A-4C and Table A-4D, respectively. The change in %HA is expected to be compliant with the identified limit of 6.5% for activities occurring on the mine site.

Given the representative construction scenario assessed, the construction of the transmission line is expected to result in an exceedance of the Health Canada Noise Guideline %HA limits at representative PORs within approximately 500 m of the transmission line. Therefore, noise mitigation measures during construction of the transmission line will be implemented to minimize noise effects at PORs within 500 m of the transmission line; these are further discussion in Section 6.3.

6.2.2 Aircraft

A summary of the noise modelling results assessed against the Health Canada Noise Guidance L_{Amax} criteria for the assessment of airstrip operations is presented in Table 6-4. The modelled sound levels from the airstrip are expected to meet the Health Canada Noise Guidance L_{Amax} sleep disturbance criteria of 60 dBA at all identified representative PORs.

As helicopter use to support transmission line construction is expected to occur during the daytime only, Health Canada's L_{Amax} sleep disturbance criteria was not considered. As discussed in Section 6.1, the %HA associated with helicopter use was calculated based on a helicopter hovering in the vicinity of a POR for a total of one hour in a given daytime period. A summary of the noise modelling results, including the predicted L_{Amax} and calculated %HA, assessed against the Health Canada Noise Guideline %HA criteria for the assessment of helicopter use is presented in Table 6-5. The modelled sound levels from the use of helicopters during transmission line construction are predicted to exceed a change in %HA of 6.5% within approximately 400 m of the transmission line. Therefore, noise mitigation measures during helicopter use during construction of the transmission line will be implemented to minimize noise effects at PORs within 400 m of the transmission line; these are further discussion in Section 6.3.

There are currently flights associated with the early exploration camps and regular helicopter use to support exploration and environmental monitoring programs in the vicinity of the Project. The frequency of these flights is similar to what is expected for the Project.

6.2.3 Transmission Line Operation

A summary of the noise modelling results assessed against the MECP's NPC-360 for the assessment of the operation of the transmission line is presented in Table 6-6. PORs located within 200 m of the transmission line were assessed, as required by NPC-360. The modelled sound levels are expected to meet the guideline limit of 55 dBA at any location outside of the transmission line ROW and at all identified representative PORs.

6.2.4 Predicted Effects

Based on the results presented in Section 6.2.1, the noise prediction modelling indicates that no exceedances of regulatory limits are expected due to activities at the mine site and along the mine access road at the identified representative PORs. Therefore, in accordance with the provincial and federal assessment frameworks, no potential noise effects from mine site activities have been predicted. The mine site is expected to meet the applicable provincial and federal sound level limits for its daytime, evening, and nighttime operations during the four major mine development stages (i.e., construction, pre-production, production and stockpile reclaim). Sections 6.2.2 and 6.2.3 indicate that predicted noise levels due to the operation of the airstrip and the operation of the transmission line meet the applicable guideline limits.

As described in Section 6.2.1, the construction of the transmission line and the operation of helicopters are expected to result in exceeding the Health Canada Noise Guideline limits at representative PORs adjacent to the transmission line. Noise levels are expected to increase, on occasion, due to transmission line construction activities at some PORs, but construction noise will be temporary in nature, occur only during specific activities, and be limited to the vicinity of the transmission line ROW. The range in noise levels associated with construction activities will depend primarily on the number and type of noise sources and their proximity to the PORs (i.e., the Project noise levels in the environment will generally decrease as the distance between the POR and construction activities increase). Potential effects on noise levels during construction will vary based on type of construction activities. The list of construction equipment presented in Table 3-1 was considered representative of what is expected to be used for the Project as well as assumptions on their use for these types of construction activities. Detailed construction information, such as a list of planned equipment and schedule, will be developed prior to construction.

Based on the construction noise assessment methodology carried out in this assessment and the results in Table 6-2, Table 6-3, and Table 6-5, noise mitigation measures during construction of the transmission line will be implemented to minimize noise effects at PORs within 500 m of the transmission line; proposed mitigation measures are outlined in Section 6.3. The results of this assessment and the proposed mitigation measures are similar to those for the construction of other similar transmission lines in northern Ontario (e.g., Wataynikaneyap Transmission Project [Golder 2018]).

6.3 Noise Mitigation

Mitigation measures to minimize potential noise effects from construction of the transmission line will be required where there are PORs within 500 m of the transmission line ROW. The following noise mitigation measures will be implemented during the construction of the transmission line, where required:

- advise local Indigenous communities and identified PORs ahead of transmission line construction work periods and as the construction work proceeds;
- work with local Indigenous communities to coordinate construction activities related to the transmission line to minimize overlap with the timing of traditional land use activities (e.g., fall moose hunt) and other sensitive periods;

- establish a mechanism for receiving and responding to complaints in a timely manner;
- construction will occur primarily during the daytime hours;
- motorized equipment will be selected or designed with mufflers or silencers to limit noise emissions;
- make reversing alarms dimmable with white noise and/or strobe lights but in accordance with the applicable health and safety regulations;
- check that equipment and machinery used on site is maintained in good working conditions through regular maintenance and inspection;
- prohibit the use of engine brakes and require the engines to be stopped for vehicles on standby, depending on seasons and weather;
- operate vehicles and equipment such that impulsive noise is minimized, where possible; and
- for helicopter use during transmission line construction, maintain minimum flight altitudes unless engaged in construction tasks, landing or departure.

Many of these mitigation measures are considered applicable to general mining activities and therefore, where appropriate, they are expected to be implemented during all phases of the Project.

Table 6-1: Inputs for Transmission Line Calculation in Accordance with NPC-360

Parameter	Value
Number of phases	3
Number of sub-conductors in phase bundle	1
Conductor maximum surface gradient	21.90 kV/cm (at 260 kV)
Sub-conductor diameter	2.18 cm
Transmission line mid-span heights	6.8 m

Table 6-2: Noise Modelling Results (L_{Aeq-1hr})

POR	Time Period	Modelled Noise Levels (L _{Aeq-1hr} , dBA) ⁽¹⁾				NPC-300 Criteria (dBA) ⁽²⁾	Health Canada Criteria (dBA) ⁽³⁾	Compliant [Y/N] ⁽¹⁾			
		Year -2	Year -1	Year 4	Year 9			Year -2	Year -1	Year 4	Year 9
POR01	Daytime	27	31	33	30	45	55	Y	Y	Y	Y
	Evening / Nighttime	26	31	33	30	40	40	Y	Y	Y	Y
POR02	Daytime	35	38	37	32	n/a	55	Y	Y	Y	Y
	Evening / Nighttime	34	38	37	32	n/a	40	Y	Y	Y	Y
POR03	Daytime	40	40	43	37	n/a	55	Y	Y	Y	Y
	Evening / Nighttime	37	40	43	37	n/a	n/a	-	-	-	-
POR04	Daytime	31	36	36	30	n/a	55	Y	Y	Y	Y
	Evening / Nighttime	30	36	36	30	n/a	n/a	-	-	-	-
POR05	Daytime	37	43	43	37	n/a	55	Y	Y	Y	Y
	Evening / Nighttime	36	43	43	37	n/a	n/a	-	-	-	-
POR06	Daytime	39	38	41	39	n/a	55	Y	Y	Y	Y
	Evening / Nighttime	35	38	41	39	n/a	n/a	-	-	-	-
POR07	Daytime	44 ⁽⁴⁾	12	20	20	45	55	Y ⁽⁴⁾	Y	Y	Y
	Evening / Nighttime	20	12	20	20	40	40	Y	Y	Y	Y
POR08	Daytime	32	-	-	-	n/a	55	Y	-	-	-
	Evening / Nighttime	-	-	-	-	n/a	40	-	-	-	-
POR09	Daytime	32	-	-	-	n/a	55	Y	-	-	-
	Evening / Nighttime	-	-	-	-	n/a	40	-	-	-	-
POR10	Daytime	40	-	-	-	n/a	55	Y	-	-	-
	Evening / Nighttime	-	-	-	-	n/a	40	-	-	-	-
POR11	Daytime	31	-	-	-	n/a	55	Y	-	-	-
	Evening / Nighttime	-	-	-	-	n/a	40	-	-	-	-
POR12	Daytime	54	-	-	-	n/a	55	Y	-	-	-
	Evening / Nighttime	-	-	-	-	n/a	40	-	-	-	-
POR13	Daytime	37	-	-	-	n/a	55	Y	-	-	-
	Evening / Nighttime	-	-	-	-	n/a	40	-	-	-	-
POR14	Daytime	35	-	-	-	n/a	55	Y	-	-	-
	Evening / Nighttime	-	-	-	-	n/a	40	-	-	-	-
POR15	Daytime	47	-	-	-	n/a	55	Y	-	-	-
	Evening / Nighttime	-	-	-	-	n/a	40	-	-	-	-
POR16	Daytime	48	-	-	-	n/a	55	Y	-	-	-

Table 6-2: Noise Modelling Results (L_{Aeq-1hr})

POR	Time Period	Modelled Noise Levels (L _{Aeq-1hr} , dBA) ⁽¹⁾				NPC-300 Criteria (dBA) ⁽²⁾	Health Canada Criteria (dBA) ⁽³⁾	Compliant [Y/N] ⁽¹⁾			
		Year -2	Year -1	Year 4	Year 9			Year -2	Year -1	Year 4	Year 9
	Evening / Nighttime	-	-	-	-	n/a	40	-	-	-	-
POR17	Daytime	51 ⁽⁴⁾	16	29	28	45	55	Y ⁽⁴⁾	Y	Y	Y
	Evening / Nighttime	25	16	29	28	40	40	Y	Y	Y	Y
POR18	Daytime	47 ⁽⁴⁾	-	22	22	45	55	Y ⁽⁴⁾	-	Y	Y
	Evening / Nighttime	21	-	22	22	40	40	Y	-	Y	Y
POR19	Daytime	40 ⁽⁴⁾	-	15	15	45	55	Y ⁽⁴⁾	-	Y	Y
	Evening / Nighttime	29	-	15	15	40	40	Y	-	Y	Y
POR20	Daytime	74	-	-	-	n/a	55	N	-	-	-
	Evening / Nighttime	-	-	-	-	n/a	40	-	-	-	-
POR21	Daytime	63	-	-	-	n/a	55	N	-	-	-
	Evening / Nighttime	-	-	-	-	n/a	40	-	-	-	-

Notes:

- (1) Modelled stages: Year -2: Construction; Year -1: Pre-production; Year 4: Peak-production; Year 9: Stockpile reclaim.
- (2) MECP exclusionary limits. MECP NPC-300 sound level limits were not applied to PORs which do not meet the NPC-300 definition of a receptor (POR03 to POR06) or to transmission line construction (i.e., the Project activity occurring near POR08 to POR16, POR20, and POR21), as described in Section 5.1.1.
- (3) Health Canada speech intelligibility and sleep disturbance limits established in Table 5-2.
- (4) Predicted Year -2 daytime noise levels at POR07, POR17, POR18 and POR19 were primarily influenced by access road construction and transmission line construction and therefore were not compared to MECP NPC-300 daytime sound level limits, as described in Section 5.1.1. Year -2 daytime noise levels in the absence of access road construction and transmission line construction are equivalent to the evening/nighttime noise levels.

Table 6-3: Noise Modelling Results (L_{dn} and %HA)

POR	Baseline Level (L _{dn}) ⁽¹⁾	Modelled Noise Levels (L _{dn} , dBA) ⁽²⁾				Change in %HA ⁽²⁾				Health Canada Criteria (%) ⁽³⁾	Compliant [Y/N] ⁽¹⁾			
		Year -2	Year -1	Year 4	Year 9	Year -2	Year -1	Year 4	Year 9		Year -2	Year -1	Year 4	Year 9
POR01	38	33	38	39	36	0.3	0.8	1.0	0.6	6.5	Y	Y	Y	Y
POR02	47	41	44	43	38	0.7	1.3	1.1	0.4	6.5	Y	Y	Y	Y
POR03	47	44	46	49	43	1.3	3.6	5.4	2.2	6.5	Y	Y	Y	Y
POR04	38	36	42	43	36	0.6	1.9	2.0	0.5	6.5	Y	Y	Y	Y
POR05	38	43	49	49	43	1.9	5.4	5.4	2.1	6.5	Y	Y	Y	Y
POR06	38	42	44	47	46	1.8	2.4	4.1	3.1	6.5	Y	Y	Y	Y
POR07	38	42	19	27	27	1.7	0.0	0.1	0.1	6.5	Y	Y	Y	Y
POR08	38	30	-	-	-	0.1	-	-	-	6.5	Y	-	-	-
POR09	38	30	-	-	-	0.2	-	-	-	6.5	Y	-	-	-
POR10	38	37	-	-	-	0.7	-	-	-	6.5	Y	-	-	-
POR11	38	29	-	-	-	0.1	-	-	-	6.5	Y	-	-	-
POR12	38	52	-	-	-	8.6	-	-	-	6.5	N	-	-	-
POR13	38	35	-	-	-	0.4	-	-	-	6.5	Y	-	-	-
POR14	38	33	-	-	-	0.3	-	-	-	6.5	Y	-	-	-
POR15	38	45	-	-	-	2.7	-	-	-	6.5	Y	-	-	-
POR16	38	46	-	-	-	3.5	-	-	-	6.5	Y	-	-	-
POR17	38	49	22	35	34	5.4	0.0	0.5	0.3	6.5	Y	Y	Y	Y
POR18	38	45	-	29	29	3.0	-	0.1	0.1	6.5	Y	-	Y	Y
POR19	38	40	-	21	21	1.1	-	0.0	0.0	6.5	Y	-	Y	Y
POR20	38	72	-	-	-	58.3	-	-	-	6.5	N	-	-	-
POR21	38	61	-	-	-	24.1	-	-	-	6.5	N	-	-	-

Notes:

(1) Arithmetic average of day-night sound levels measured during leaves-off and leaves-on programs.

(2) Modelled stages: Year -2: Construction; Year -1: Pre-production; Year 4: Peak-production; Year 9: Stockpile reclaim.

(3) Health Canada limits established in Table 5-2.

Table 6-4: Airstrip Noise Modelling Results (L_{Amax})

POR	Modelled Noise Level – Airstrip (L_{Amax}, dBA)	Health Canada Criteria (L_{Amax}, dBA)⁽¹⁾	Compliant [Y/N]
POR01	48	60	Y
POR02	41	60	Y
POR03	43	60	Y
POR04	36	60	Y
POR05	47	60	Y
POR06	47	60	Y
POR07	41	60	Y
POR08	39	60	Y
POR09	23	60	Y
POR10	28	60	Y
POR11	31	60	Y
POR12	23	60	Y
POR13	16	60	Y
POR14	14	60	Y
POR15	17	60	Y
POR16	17	60	Y
POR17	41	60	Y
POR18	33	60	Y
POR19	30	60	Y
POR20	50	60	Y
POR21	13	60	Y

Notes:

(1) Health Canada limits established in Table 5-2.

Table 6-5: Helicopter Noise Modelling Results (L_{Amax} and %HA)

POR	Baseline Level (L_{dn}) ⁽¹⁾	Modelled Noise Levels (L_{Amax} , dBA) ⁽²⁾	Change in %HA ⁽²⁾	Health Canada Criteria (%) ⁽³⁾	Compliant [Y/N]
POR01	38	38	0.0	6.5	Y
POR02	47	39	0.0	6.5	Y
POR03	47	49	0.2	6.5	Y
POR04	38	40	0.1	6.5	Y
POR05	38	46	0.2	6.5	Y
POR06	38	51	0.6	6.5	Y
POR07	38	55	1.4	6.5	Y
POR08	38	44	0.1	6.5	Y
POR09	38	44	0.2	6.5	Y
POR10	38	51	0.6	6.5	Y
POR11	38	43	0.1	6.5	Y
POR12	38	64	6.5	6.5	Y
POR13	38	48	0.4	6.5	Y
POR14	38	47	0.3	6.5	Y
POR15	38	57	2.1	6.5	Y
POR16	38	60	3.6	6.5	Y
POR17	38	59	3.0	6.5	Y
POR18	38	56	1.8	6.5	Y
POR19	38	50	0.6	6.5	Y
POR20	38	83	50.7	6.5	N
POR21	38	72	18.6	6.5	N

Notes:

- (1) Arithmetic average of day-night sound levels measured during leaves-off and leaves-on programs.
- (2) Assumed the helicopter is operating at its L_{Amax} in the vicinity of a POR for one hour in a daytime period.
- (3) Health Canada limits established in Table 5-2.

Table 6-6: Noise Modelling Results – NPC-360 Transmission Line Assessment

POR	Distance to Transmission Line ROW (m)	Modelled Operation Noise Levels ($L_{Aeq-1hr}$)	MECP Criteria (dBA)⁽¹⁾	Compliant [Y/N]
POR20	40	49	55	Y
POR21	155	44	55	Y
Edge of ROW ⁽²⁾	0	55	55	Y

Notes:

- (1) MECP criteria established in NPC-360 (Section 5.1.2).
 (2) For information purposes, a prediction was carried out at the edge of the ROW.

7.0 CONCLUSIONS

The noise effects associated with the construction and operational phases of the Project were assessed through predictive acoustic modelling in accordance with the applicable provincial and federal guidelines and criteria.

Under the predictable worst-case scenario, the modelled sound levels due to the mine development stages at the mine site are expected to comply with the applicable MECP NPC-300 guideline limits at all identified representative PORs, during daytime, evening and nighttime periods, for all modelled scenarios. In addition, the operation of the transmission line is expected to meet the MECP's NPC-360 applicable guideline limit at all identified representative PORs.

The modelled noise levels were also assessed against the Health Canada Noise Guideline limits (Health Canada 2023). Under the predictable worst-case hour scenario ($L_{Aeq-1hr}$), the sound levels will meet the daytime (i.e., speech interference) and nighttime (i.e., sleep disturbance) guideline limits at all PORs for all assessed mine development stages at the mine site. The sound levels for each mine development stage were also assessed against the change in %HA criterion, which considers the L_{dn} metric. The change in %HA is expected to be compliant with the identified Health Canada limit of 6.5% for all assessed stages at the mine site. The Project's airstrip use is expected to meet the Health Canada Noise Guideline criteria at all identified representative PORs. Noise levels associated with the construction of the transmission line, including helicopter use, are expected to exceed the Health Canada Noise Guideline limits at a number of the identified representative PORs adjacent to the transmission line. However, noise mitigation measures will minimize potential noise effects, and construction noise will be temporary in nature, occur only during specific activities, be limited to the vicinity of the transmission line ROWI and be similar to the expected construction noise of other similar transmission line projects in northern Ontario.

8.0 CLOSING

This Noise Modelling Report was prepared for First Mining Gold Corp. by WSP. The quality of information, conclusions and scheduling estimates contained herein is consistent with the level of effort involved in WSP's services and based on: i) information available at the time of preparation; ii) data supplied by outside sources; and iii) the assumptions, conditions and qualifications set forth in this report.

Yours truly,

WSP Canada Inc.

Shira Daltrop, M.A.Sc.
Noise Specialist

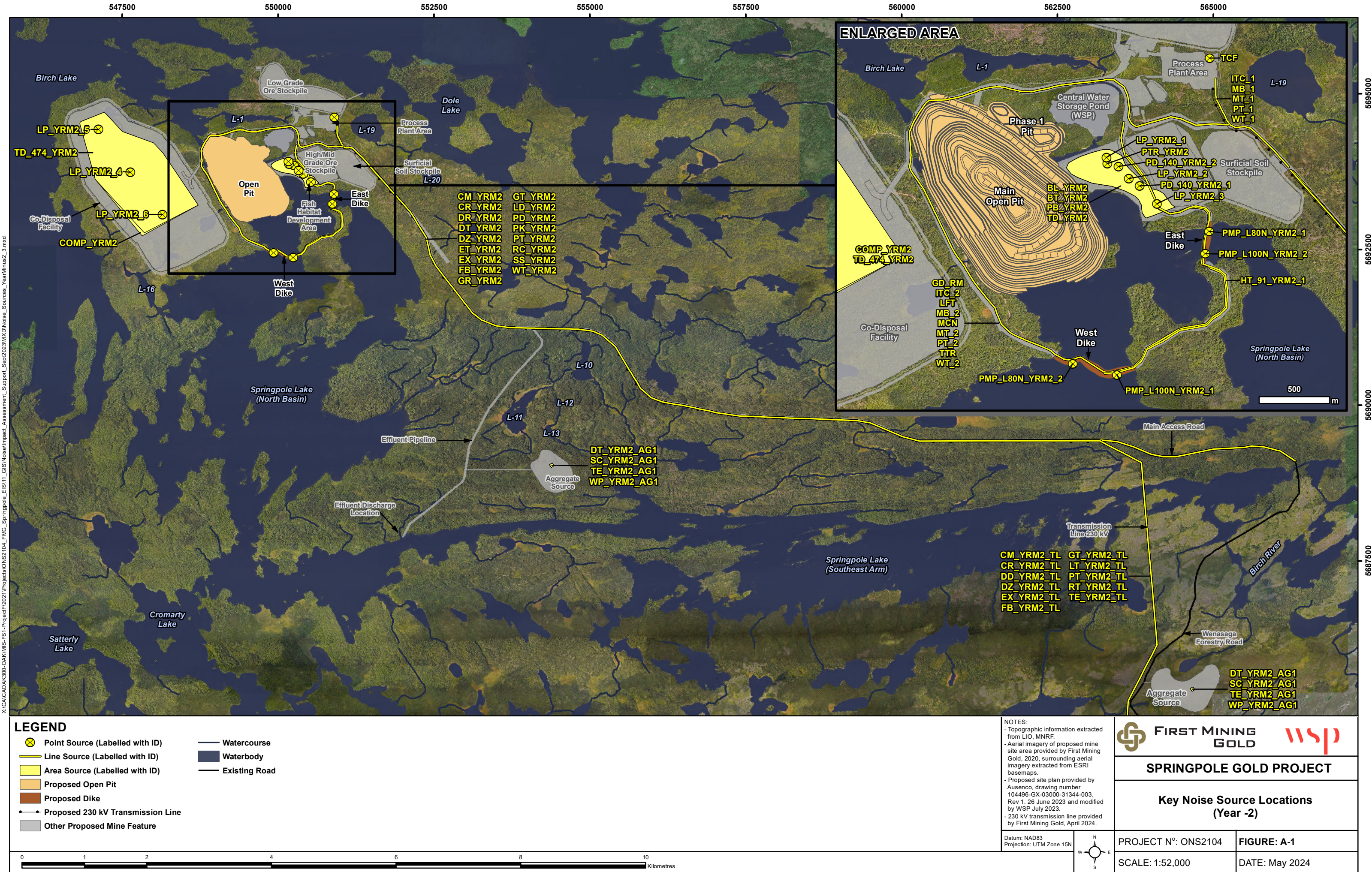
Daniel Corkery
Principal Blasting/Vibration Consultant

9.0 REFERENCES

- AGP Mining Consultants (AGP). 2021. NI 43-101 Technical Report and Pre-Feasibility Study on the Springpole Gold Project, Ontario, Canada. Report Date: February 26, 2021.
- Golder Associates Ltd. (Golder). 2018. Amended Environmental Assessment Report for the Phase 1 New Transmission Line to Pickle Lake Project. Section 5.0: Physical Environment Baseline Characterization and Effects Assessment.
- Health Canada. 2023. Guidance for Evaluating Human Health Impacts in Environmental Assessment: NOISE. January 2023.
- International Organization for Standardization. 2003. ISO 1996-1:2003 Acoustics – Description, Measurement and Assessment of Environmental Noise – Part 1: Basic Quantities and Assessment Measurement and Assessment of Environmental Noise.
- International Organization for Standardization. 1996. ISO-9613-2. Acoustics – Attenuation of Sound during propagation outdoors. Part 2 – General method of calculation, 1996. (n.d.).
- Ministry of the Environment, Conservation and Parks (MECP). 2011. Publication NPC-360, Protocol for the Measurement and Prediction of Audible Noise from HV Transmission Lines (Final Draft). March 2011.
- Ministry of the Environment, Conservation and Parks (MECP). 2013. Publication NPC-300, Noise Assessment Criteria for Stationary Sources and for Land Use Planning. August 2013.
- U.S. Department of Transportation, Federal Highway Administration. 2006. FHWA Roadway Construction Noise Model User's Guide.
- WSP Canada Inc. (WSP). 2023a. Blasting Impact Assessment Report. May 2023.
- WSP Canada Inc. (WSP). 2023b. 2021 Sound and Vibration Baseline Report (Leaves-On Program). July 2023.
- WSP Canada Inc. (WSP). 2023c. 2021 Sound and Vibration Baseline Report (Leaves-Off Program). July 2023.
- World Health Organization (WHO). 1999. Guidelines for Community Noise.

Attachment A

Assessment Tables and Figures





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LEGEND

- Point Source (Labelled with ID)
- Line Source (Labelled with ID)
- Area Source (Labelled with ID)
- Proposed Open Pit
- Proposed Dike
- Proposed 230 kV Transmission Line
- Other Proposed Mine Feature
- Watercourse
- Waterbody
- Existing Road

Kilometres

NOTES:

- Topographic information extracted from LIO, MNRF.
- Aerial imagery of proposed mine site area provided by First Mining Gold, 2020, surrounding aerial imagery extracted from ESRI basemaps.
- Proposed site plan provided by Ausenco, drawing number 104496-GX-03000-31344-003, Rev 1. 26 June 2023 and modified by WSP July 2023.
- 230 kV transmission line provided by First Mining Gold, April 2024.

Datum: NAD83
Projection: UTM Zone 15N



SPRINGPOLE GOLD PROJECT

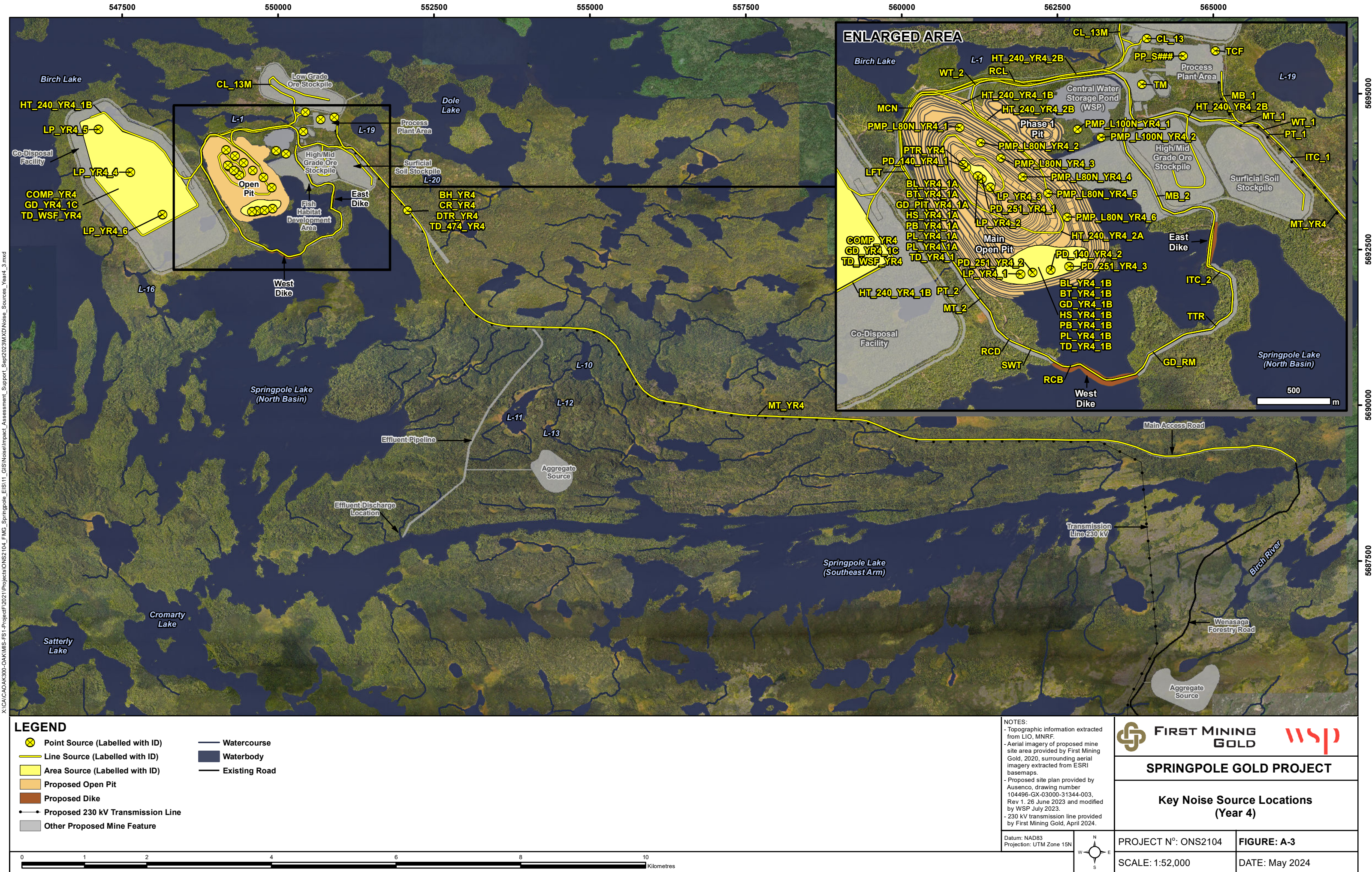
Key Noise Source Locations
(Year -1)

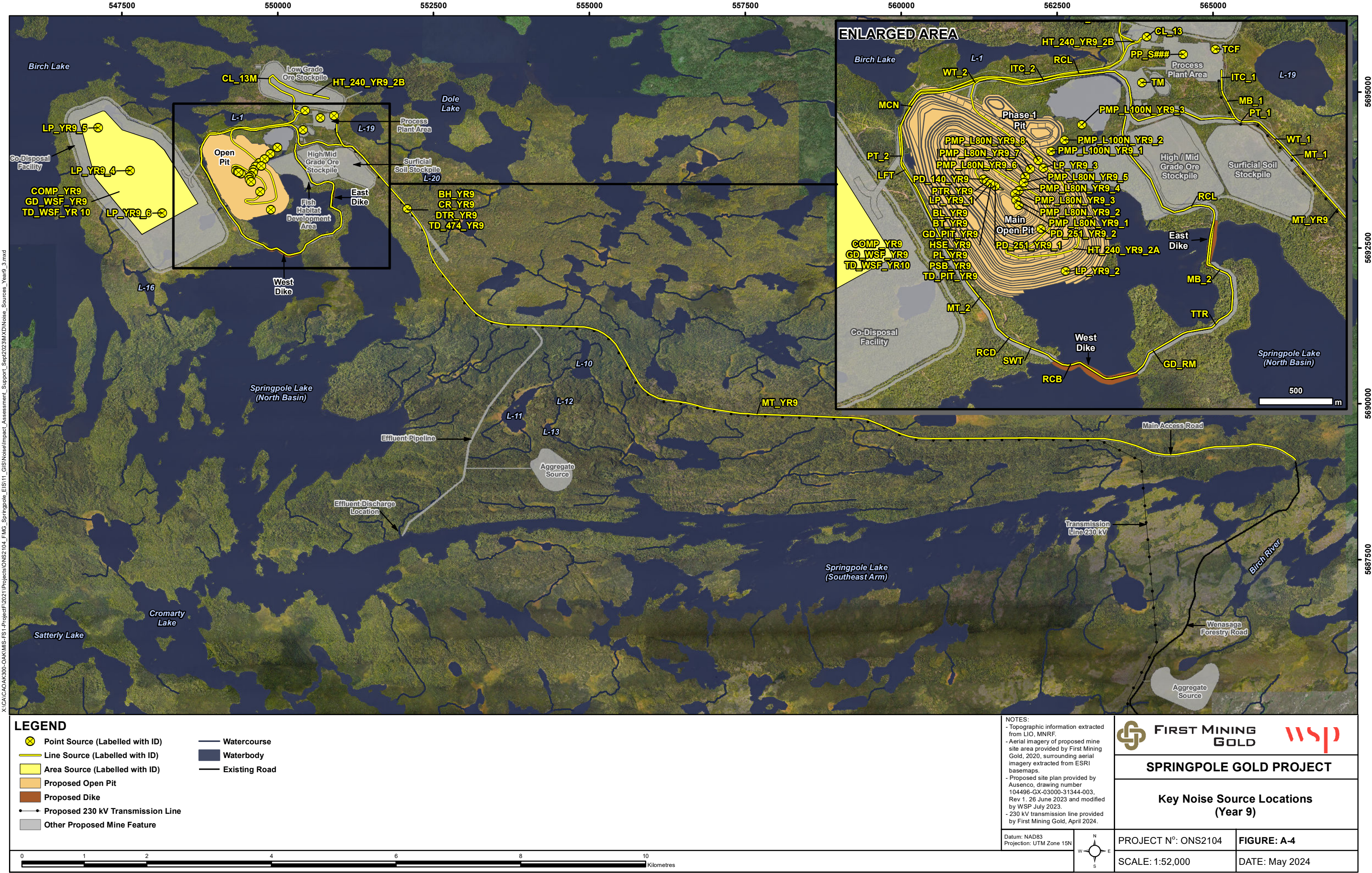
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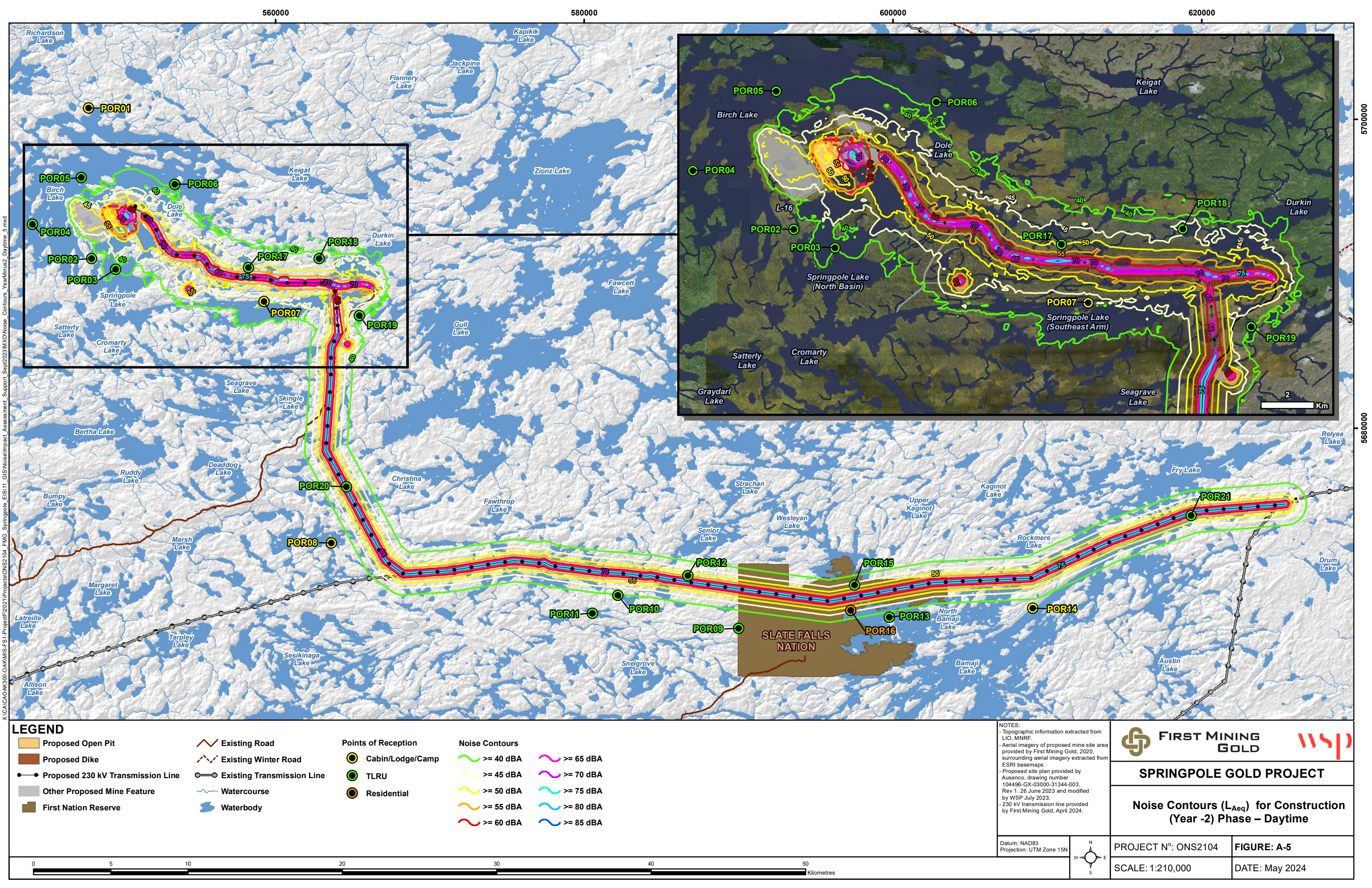
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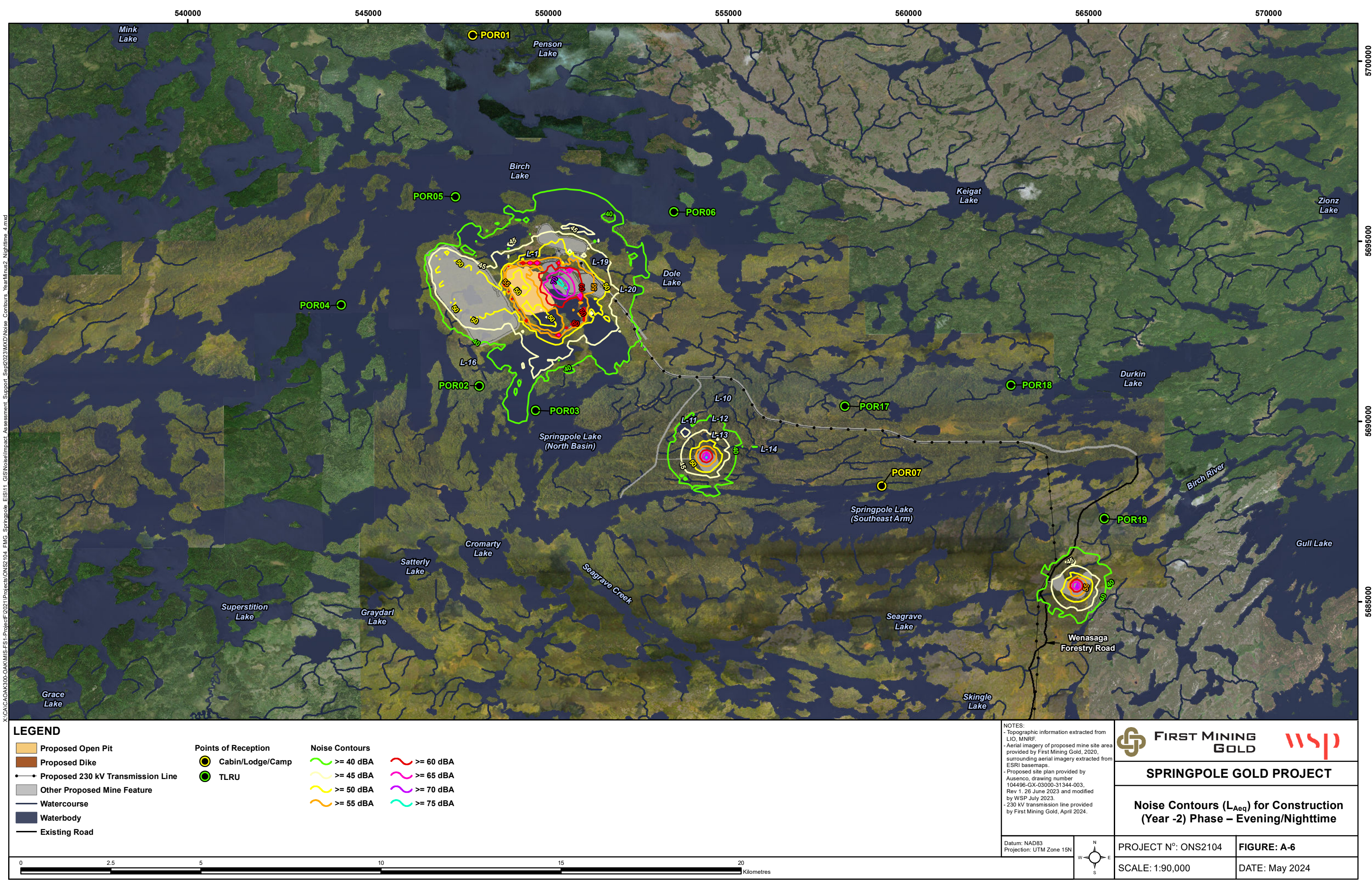
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DATE: May 2024









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LEGEND

Proposed Open Pit

Proposed Dike

Proposed 230 kV Transmission Line

Other Proposed Mine Feature

Watercourse

Waterbody

Existing Road

Cabin/Lodge/Camp

TLRU

≥ 40 dBA

≥ 45 dBA

≥ 50 dBA

≥ 55 dBA

≥ 60 dBA

≥ 65 dBA

≥ 70 dBA

≥ 75 dBA

Notes:

- Topographic information extracted from LIO, MNRF.

- Aerial imagery of proposed mine site area provided by First Mining Gold, 2020, surrounding aerial imagery extracted from ESRI basemaps.

- Proposed site plan provided by Ausenco, drawing number 104496-GX-03000-31344-003, Rev 1. 26 June 2023 and modified by WSP July 2023.

- 230 kV transmission line provided by First Mining Gold, April 2024.

Datum: NAD83
Projection: UTM Zone 15N

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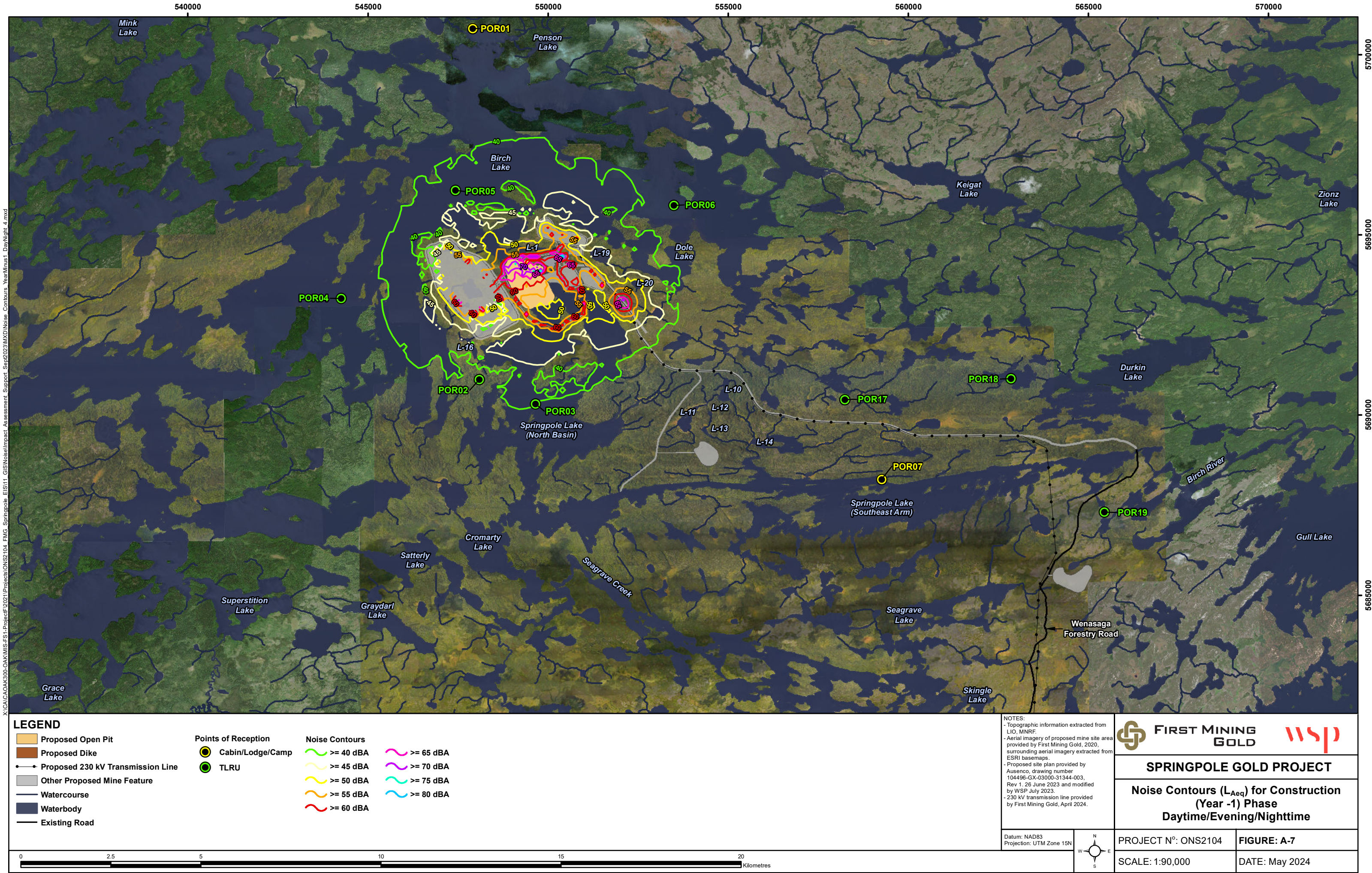
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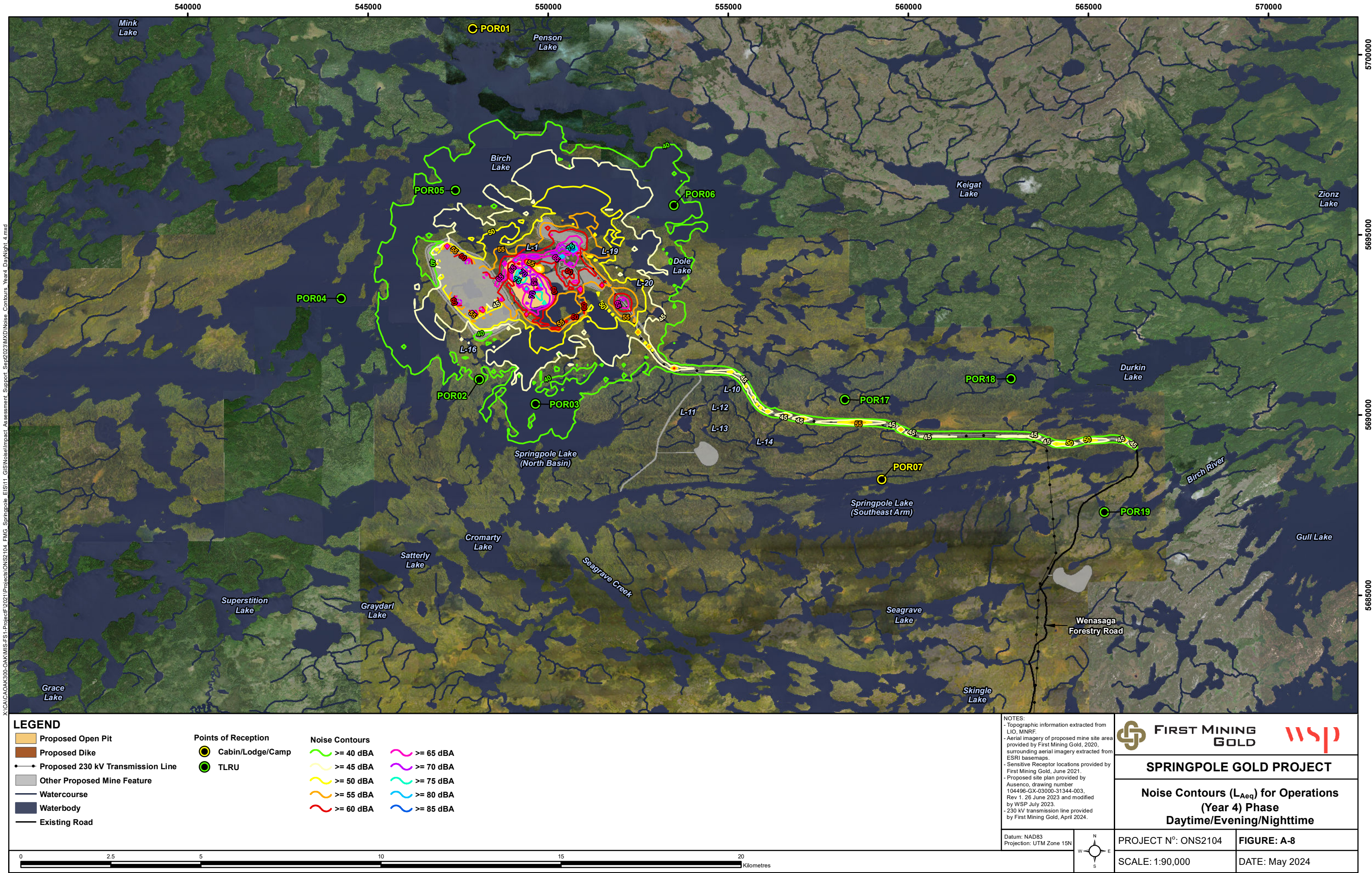
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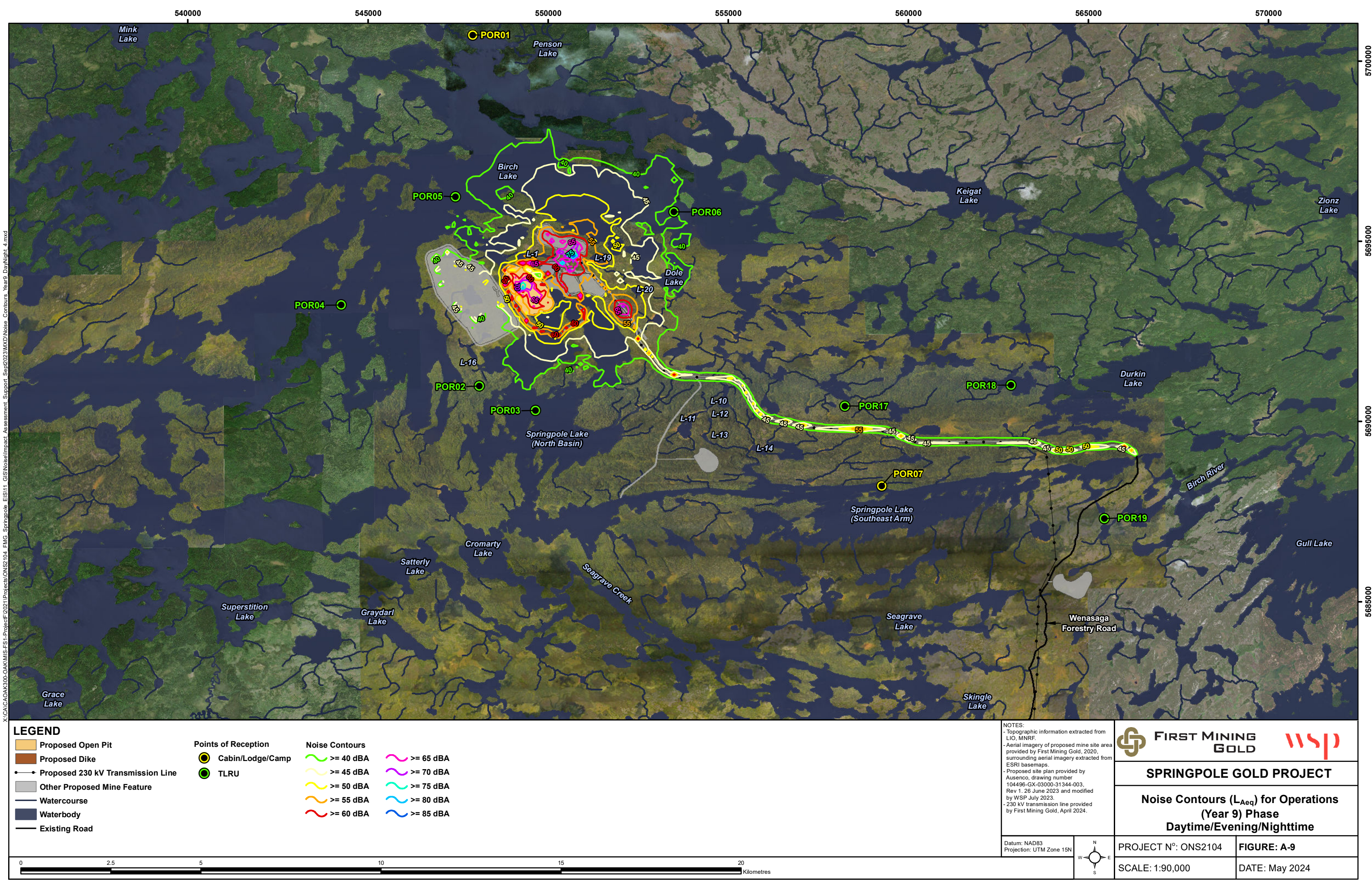
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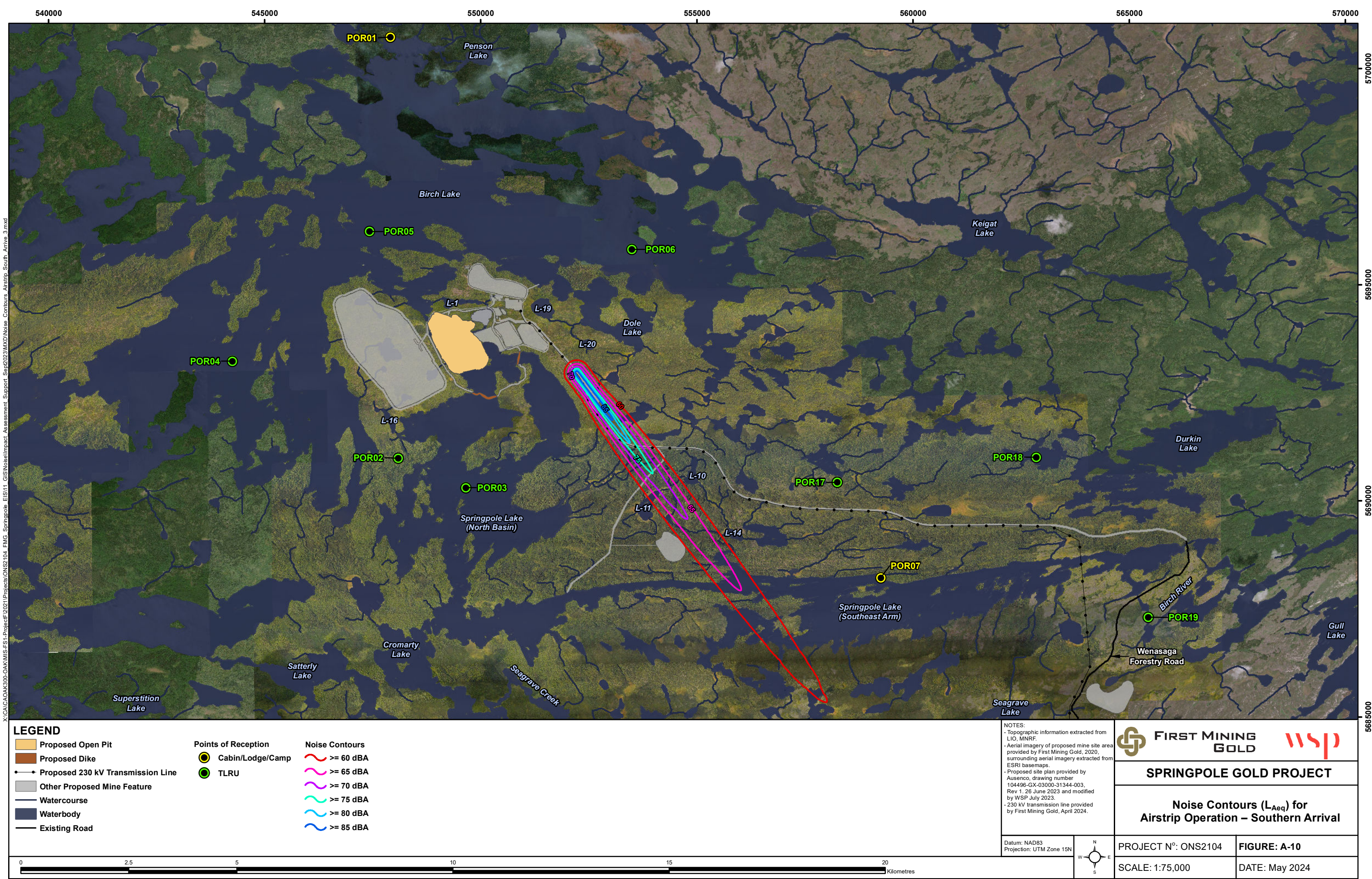
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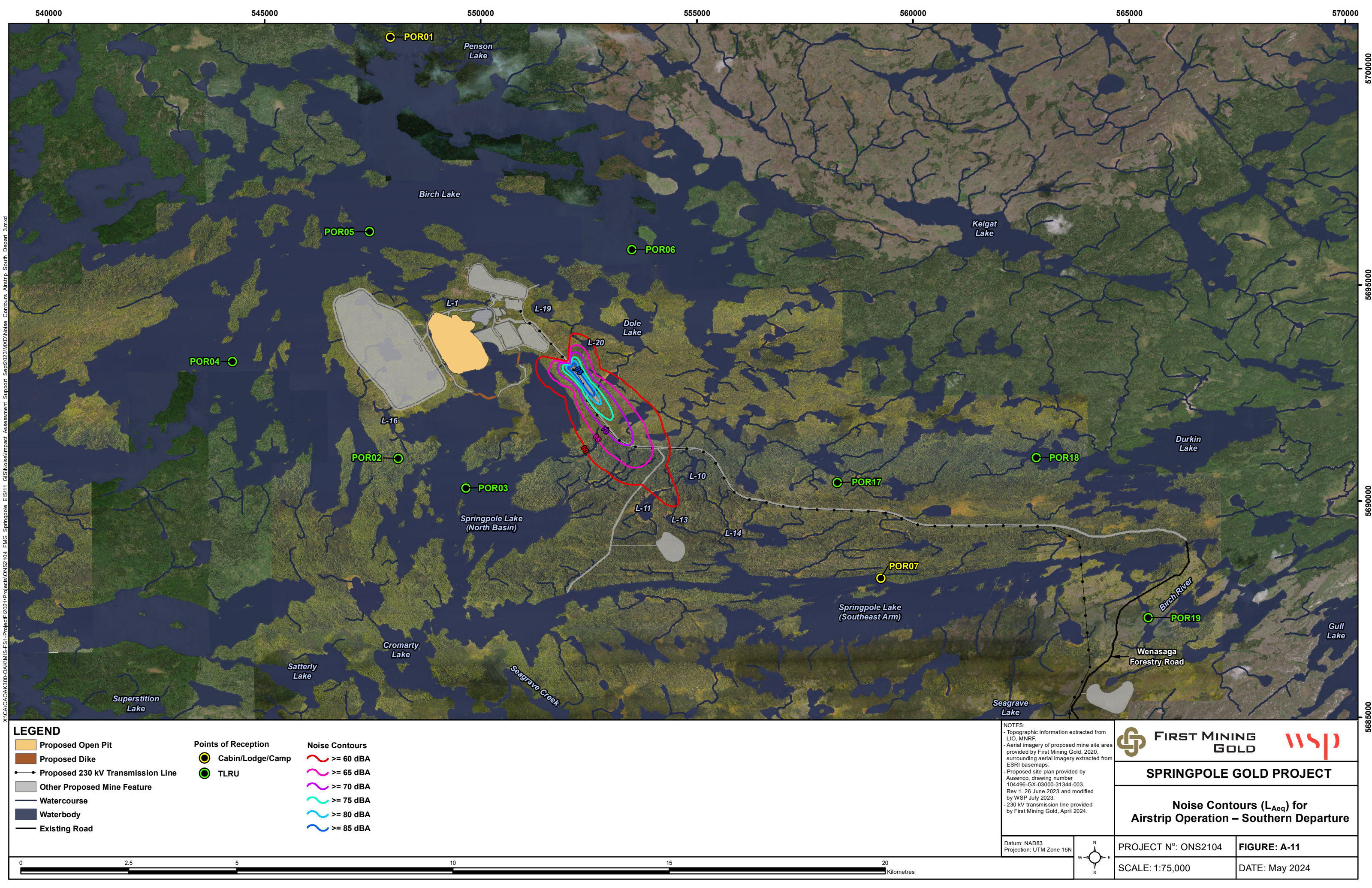
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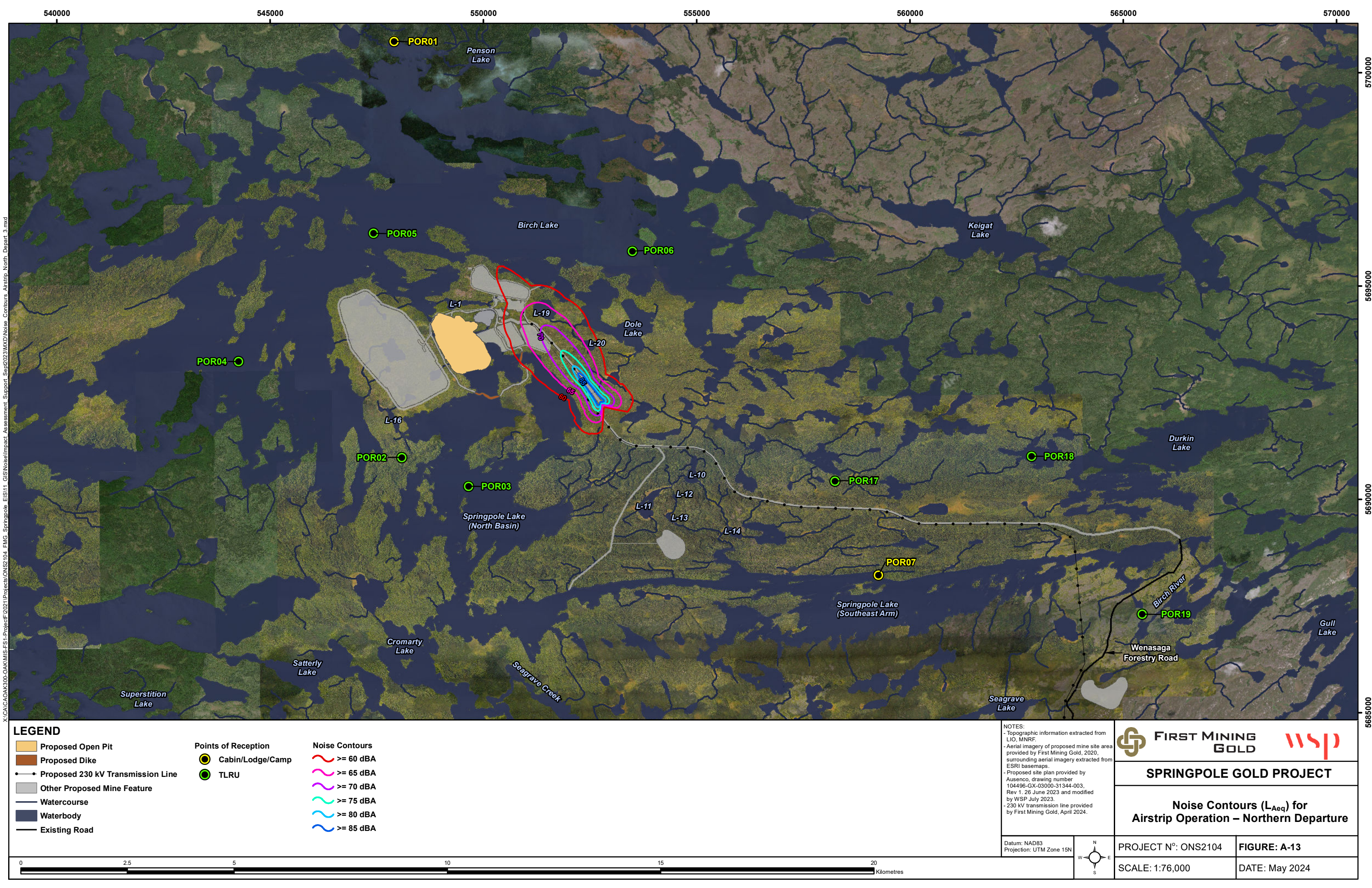












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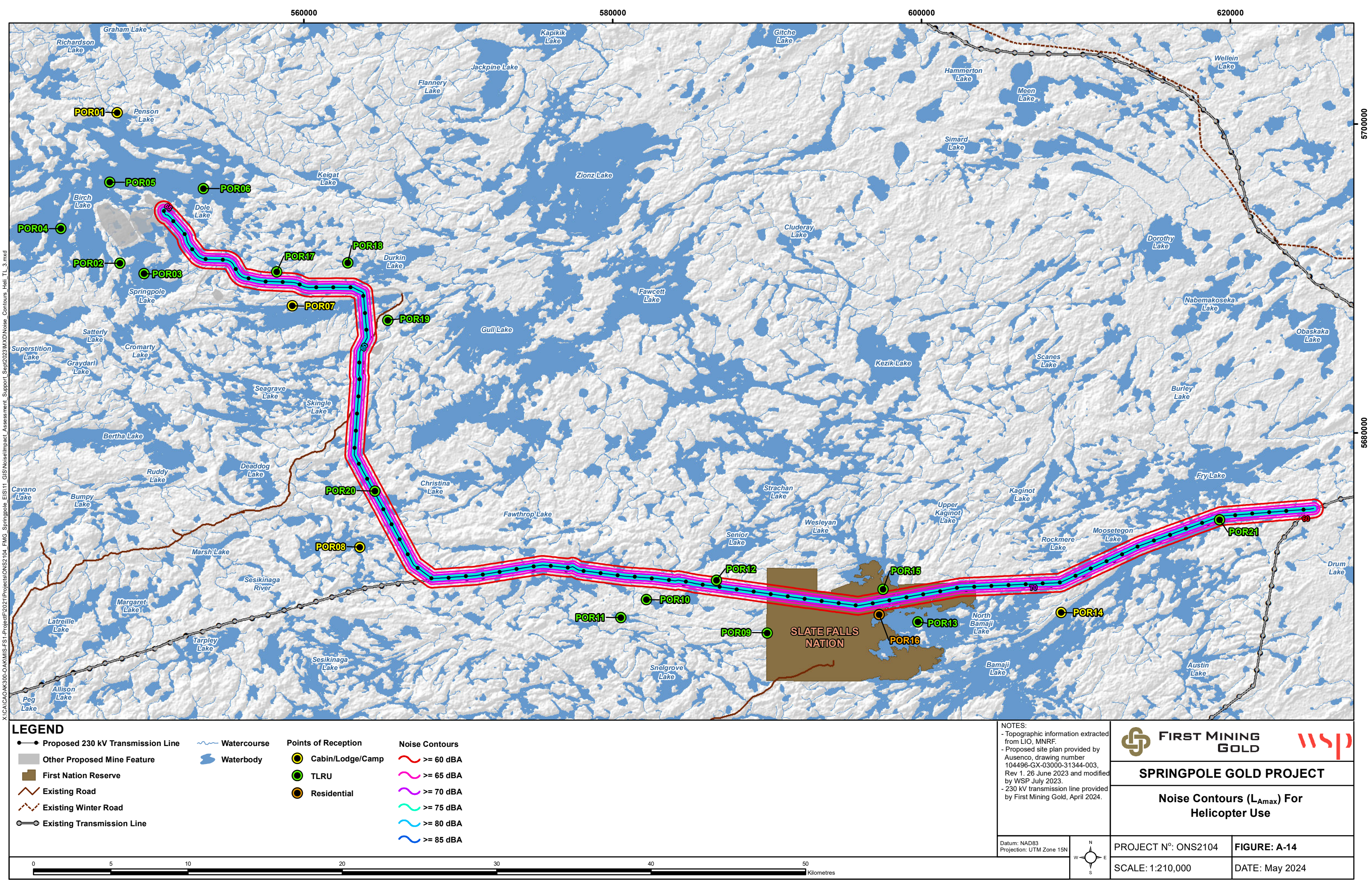


Table A1-A: Key Noise Source Summary (Year -2)

Source ID	Source Description	Overall Sound Power Level (dBA)	Source Location	Sound Characteristics	Noise Control Measures
LP_YRM2_6	LIGHT PLANTS 6 - WSF (YR -2)	84	O	S	U
LP_YRM2_5	LIGHT PLANTS 5 - WSF (YR -2)	84	O	S	U
LP_YRM2_4	LIGHT PLANTS 4 - WSF (YR -2)	84	O	S	U
PD_140_YRM2_2	PRODUCTION DRILL 2 - 140mm (YR -2)	128	O	S	U
PD_140_YRM2_1	PRODUCTION DRILL 1 - 140mm (YR -2)	128	O	S	U
PTR_YRM2	PUMP TRUCK (YR -2)	113	O	S	U
PMP_L80N_YRM2_2	ATLAS COPCO WEDA SLURRY L80N PUMP 2 (YR -2)	90	O	S	U
PMP_L80N_YRM2_1	ATLAS COPCO WEDA SLURRY L80N PUMP 1 (YR -2)	90	O	S	U
PMP_L100N_YRM2_2	ATLAS COPCO WEDA SLURRY L100N PUMP 2 (YR -2)	96	O	S	U
PMP_L100N_YRM2_1	ATLAS COPCO WEDA SLURRY L100N PUMP 1 (YR -2)	96	O	S	U
LP_YRM2_3	LIGHT PLANTS 3 - PIT (YR -2)	84	O	S	U
LP_YRM2_2	LIGHT PLANTS 2 - PIT (YR -2)	84	O	S	U
LP_YRM2_1	LIGHT PLANTS 1 - PIT (YR -2)	84	O	S	U
TCF	TRANSFORMER 10MVA	84	O	S	U
GD_RM	GRADER - HAUL ROADS	111	O	S	U
ITC_1	INTEGRATED TOOL CARRIER MOVEMENT 1	104	O	S	U
ITC_2	INTEGRATED TOOL CARRIER MOVEMENT 2	104	O	S	U
LFT	LUBE/FUEL TRUCK MOVEMENT- HAUL ROADS	114	O	S	U
MB_1	MAN BUS MOVEMENT 1	110	O	S	U
MB_2	MAN BUS MOVEMENT 2	110	O	S	U
MCN	MOBILE CRANE MOVEMENT	117	O	S	U
MT_1	MECHANIC'S TRUCK MOVEMENT 1	93	O	S	U
MT_2	MECHANIC'S TRUCK MOVEMENT 2	93	O	S	U
PT_1	PICKUP TRUCK MOVEMENT 1	93	O	S	U
PT_2	PICKUP TRUCK MOVEMENT 2	93	O	S	U
TTR	TRANSPORT TRUCK MOVEMENT	114	O	S	U
WT_1	WELDING TRUCK MOVEMENT 1	93	O	S	U
WT_2	WELDING TRUCK MOVEMENT 2	93	O	S	U
HT_91_YRM2_1	HAULAGE TRUCK 91mt MOVEMENT (Quarry to Dam) (Yr -2)	115	O	S	U
BL_YRM2	BLASTING LOADER (YR -2)	118	O	S	U
BT_YRM2	BLASTER'S TRUCK (YR -2)	93	O	S	U
PB_YRM2	PRODUCTION BACKHOE (YR -2)	111	O	S	U
TD_YRM2	TRACK DOZER (YR -2)	113	O	S	U
COMP_YRM2	COMPACTOR - WSF (YR -2)	111	O	S	U
TD_474_YRM2	TRACK DOZER - WSF (YR -2)	111	O	S	U
CM_YRM2	COMPACTOR - ACCESS RD CONST (YR -2)	117	O	S	U
CR_YRM2	CRANE - ACCESS RD CONST (YR -2)	117	O	S	U
DR_YRM2	DRILL - ACCESS RD CONST (YR -2)	126	O	S	U
DT_YRM2	DUMP TRUCK - ACCESS RD CONST (YR -2)	120	O	S	U
DZ_YRM2	DOZER - ACCESS RD CONST (YR -2)	118	O	S	U
ET_YRM2	EXPLOSIVES TRUCK - ACCESS RD CONST (YR -2)	114	O	S	U
EX_YRM2	EXCAVATOR - ACCESS RD CONST (YR -2)	108	O	S	U
FB_YRM2	FLAT BED TRUCK - ACCESS RD CONST (YR -2)	118	O	S	U
GR_YRM2	GRADER - ACCESS RD CONST (YR -2)	114	O	S	U
GT_YRM2	GRAVEL TRUCK - ACCESS RD CONST (YR -2)	120	O	S	U
LD_YRM2	LOADER - ACCESS RD CONST (YR -2)	114	O	S	U
PD_YRM2	PILE DRIVER - ACCESS RD CONST (YR -2)	129	O	S	U
PK_YRM2	PACKER - ACCESS RD CONST (YR -2)	114	O	S	U
PT_YRM2	PICKUP TRUCK - ACCESS RD CONST (YR -2)	100	O	S	U
RC_YRM2	ROCK CRUSHER - ACCESS RD CONST (YR -2)	124	O	S	U
SS_YRM2	SKID STEER - ACCESS RD CONST (YR -2)	108	O	S	U
WT_YRM2	WATER TRUCK - ACCESS RD CONST (YR -2)	114	O	S	U
CM_YRM2_TL	CONCRETE MIXER - TL CONST	111	O	S	U
CR_YRM2_TL	CRANE - TL CONST	121	O	S	U
DD_YRM2_TL	DIGGER DERRICK - TL CONST	108	O	S	U
DZ_YRM2_TL	DOZER - TL CONST	116	O	S	U
EX_YRM2_TL	EXCAVATOR - TL CONST	113	O	S	U
FB_YRM2_TL	FLAT BED TRUCK - TL CONST	117	O	S	U
GT_YRM2_TL	GRAVEL TRUCK - TL CONST	119	O	S	U
LT_YRM2_TL	LINE TRUCK - TL CONST	104	O	S	U
PT_YRM2_TL	PICKUP TRUCK - TL CONST	96	O	S	U
RT_YRM2_TL	RUBBER TIRE BACKHOE - TL CONST	111	O	S	U
TE_YRM2_TL	TRACKED EXCAVATOR - TL CONST	105	O	S	U
TE_YRM2_AG1	TRACKED EXCAVATOR - AGGREGATE	105	O	S	U
DT_YRM2_AG1	DUMP TRUCK - AGGREGATE	117	O	S	U
SC_YRM2_AG1	SCREEN - AGGREGATE	111	O	S	U
WP_YRM2_AG1	WASH PLANT - AGGREGATE	103	O	S	U
TE_YRM2_AG1	TRACKED EXCAVATOR - AGGREGATE	105	O	S	U
DT_YRM2_AG1	DUMP TRUCK - AGGREGATE	117	O	S	U
SC_YRM2_AG1	SCREEN - AGGREGATE	111	O	S	U
WP_YRM2_AG1	WASH PLANT - AGGREGATE	103	O	S	U

Note 1: If source sound emission levels require adjustment to address special characteristics (i.e. tonal), the adjustment is not included in the Sound Power Level presented in this table.

Note 2: Sound Power Levels presented in Table 1 do not include time weighting or any adjustments that were considered in the noise modelling.

NOISE SOURCE SUMMARY TABLE NOMENCLATURE

Source Location

O - located/installed outside the building, including on the roof
I - located/installed inside the building

Sound Characteristics

S - Steady
Q - Quasi Steady Impulsive
I - Impulsive
B - Buzzing
T - Tonal
C - Cyclic

Noise Control Measures

S - Silencer, Acoustic Louver, Muffler
A - Acoustic Lining, Plenum
B - Barrier, Berm, Screening
L - Lagging
E - Acoustic Enclosure
O - Other
U - Uncontrolled

Table A1-B: Key Noise Source Summary (Year -1)

Source ID	Source Description	Overall Sound Power Level (dBA)	Source Location	Sound Characteristics	Noise Control Measures
LP_YRM1_6	LIGHT PLANTS 6 - WSF (YR -1)	84	O	S	U
LP_YRM1_5	LIGHT PLANTS 5 - WSF (YR -1)	84	O	S	U
LP_YRM1_4	LIGHT PLANTS 4 - WSF (YR -1)	84	O	S	U
PD_251_YRM1	PRODUCTION DRILL - 251mm - PIT PHASE 1 (YR-1)	118	O	S	U
PD_140_YRM1_2	PRODUCTION DRILL 2 - 140mm - PIT PHASE 1 (YR -1)	128	O	S	U
PD_140_YRM1_1	PRODUCTION DRILL 1 - 140mm - PIT PHASE 2 (YR -1)	128	O	S	U
PTR_YRM1_1B	PUMP TRUCK 1B - PIT PHASE 2 (YR -1)	113	O	S	U
PTR_YRM1_1A	PUMP TRUCK 1A - PIT PHASE 1 (YR -1)	113	O	S	U
PMP_L80N_YRM1	ATLAS COPCO WEDA SLURRY L80N PUMP (YR -1)	90	O	S	U
PMP_L100N_YRM1	ATLAS COPCO WEDA SLURRY L100N PUMP 1 (YR -1)	96	O	S	U
LP_YRM1_3	LIGHT PLANTS 3 - PIT PHASE 2 (YR -1)	84	O	S	U
LP_YRM1_2	LIGHT PLANTS 2 - PIT PHASE 2 (YR -1)	84	O	S	U
LP_YRM1_1	LIGHT PLANTS 1 - PIT PHASE 1 (YR -1)	84	O	S	U
TM	TIRE MANIPULATOR	111	O	S	U
TCF	TRANSFORMER 10MVA	84	O	S	U
CR_YRM1	CRANE ROAD MAINTENANCE (YR -1)	117	O	S	U
GD_RM	GRADER - HAUL ROADS	111	O	S	U
RCB	ROAD CREW BACKHOE MOVEMENT	111	O	S	U
RCD	ROAD CREW DUMP TRUCK MOVEMENT	114	O	S	U
RCL	ROAD CREW LOADER MOVEMENT	111	O	S	U
SWT	SNOWPLOW/WATER TRUCK MOVEMENT- HAUL ROADS	114	O	S	U
ITC_1	INTEGRATED TOOL CARRIER MOVEMENT 1	104	O	S	U
ITC_2	INTEGRATED TOOL CARRIER MOVEMENT 2	104	O	S	U
LFT	LUBE/FUEL TRUCK MOVEMENT- HAUL ROADS	114	O	S	U
MB_1	MAN BUS MOVEMENT 1	110	O	S	U
MB_2	MAN BUS MOVEMENT 2	110	O	S	U
MCN	MOBILE CRANE MOVEMENT	117	O	S	U
MT_1	MECHANIC'S TRUCK MOVEMENT 1	93	O	S	U
MT_2	MECHANIC'S TRUCK MOVEMENT 2	93	O	S	U
PT_1	PICKUP TRUCK MOVEMENT 1	93	O	S	U
PT_2	PICKUP TRUCK MOVEMENT 2	93	O	S	U
TTR	TRANSPORT TRUCK MOVEMENT	114	O	S	U
WT_1	WELDING TRUCK MOVEMENT 1	93	O	S	U
WT_2	WELDING TRUCK MOVEMENT 2	93	O	S	U
HT_240_YRM1_1	HAULAGE TRUCK 240mt MOVEMENT 1 (PIT-CDF) (YR -1)	118	O	S	U
HT_240_YRM1_2	HAULAGE TRUCK 240mt MOVEMENT 2 (PIT TO LG STOCKPILE) (YR -1)	118	O	S	U
HT_240_YRM1_2	HAULAGE TRUCK 240mt MOVEMENT 2 (PIT TO PLANT) (YR -1)	118	O	S	U
HT_240_YRM1_2	HAULAGE TRUCK 240mt MOVEMENT 2 (PIT TO H/MG STOCKPILE) (YR -1)	118	O	S	U
HT_240_YRM1_2	HAULAGE TRUCK 240mt MOVEMENT 2 (PIT TO SURF STOCKPILE) (YR -1)	118	O	S	U
HT_240_YRM1_1B	HAULAGE TRUCK 240mt MOVEMENT 1B (PIT TO WDAM) (YR -1)	118	O	S	U
HT_91_YRM1_1	HAULAGE TRUCK 91mt MOVEMENT (QUARRY TO DAM) (YR -1)	115	O	S	U
BL_YRM1_1A	BLASTING LOADER 1A - PIT PHASE 1 (YR -1)	118	O	S	U
BL_YRM1_1B	BLASTING LOADER 1B - PIT PHASE 2 (YR -1)	118	O	S	U
BT_YRM1_1A	BLASTER'S TRUCK 1A - PIT PHASE 1 (YR -1)	93	O	S	U
BT_YRM1_1B	BLASTER'S TRUCK 1B - PIT PHASE 2 (YR -1)	93	O	S	U
GD_PIT_YRM1_1A	GRADER 1A - PIT PHASE 1 (YR -1)	111	O	S	U
GD_PIT_YRM1_1B	GRADER 1B - PIT PHASE 2 (YR -1)	111	O	S	U
HSE_YRM1_1A	HYDRAULIC SHOVEL 1A MOVEMENT - PIT PHASE 1 (YR -1)	120	O	S	U
HSE_YRM1_1B	HYDRAULIC SHOVEL 1B MOVEMENT - PIT PHASE 2 (YR -1)	120	O	S	U
PB_YRM1_1A	PRODUCTION BACKHOE 1A - PIT PHASE 1 (YR-1)	111	O	S	U
PL_YRM1_1A	PRODUCTION LOADER 1A - PIT PHASE 1 (YR-1)	118	O	S	U
PL_YRM1_1B	PRODUCTION LOADER 1B - PIT PHASE 2 (YR-1)	118	O	S	U
PSB_YRM1_1B	PRODUCTION BACKHOE 1B - PIT PHASE 2 (YR-1)	111	O	S	U
TD_PIT_YRM1_2	TRACK DOZER 2 - PIT PHASE 2 (YR -1)	113	O	S	U
TD_YRM1_1	TRACK DOZER 1 - PIT PHASE 1 (YR -1)	113	O	S	U
COMP_YRM1	COMPACTOR - WSF (YR -1)	111	O	S	U
GD_WSF_YRM1	GRADER - WSF (YR -1)	111	O	S	U
TD_WSF_YRM1	TRACK DOZER - WSF (YR -1)	114	O	S	U
TD_474_YRM1	TRACK DOZER ROAD MAINTENANCE (YR -1)	113	O	S	U
DTR_YRM1	DUMP TRUCK ROAD MAINTENANCE (YR -1)	117	O	S	U
BH_YRM1	SUPPORT BACKHOE ROAD MAINTENANCE (YR -1)	111	O	S	U

Note 1: If source sound emission levels require adjustment to address special characteristics (i.e. tonal), the adjustment is not included in the Sound Power Level presented in this table.

Note 2: Sound Power Levels presented in Table 1 do not include time weighting or any adjustments that were considered in the noise modelling.

NOISE SOURCE SUMMARY TABLE NOMENCLATURE

Source Location

O - located/installed outside the building, including on the roof

I - located/installed inside the building

Sound Characteristics

S - Steady

Q - Quasi Steady Impulsive

I - Impulsive

B - Buzzing

T - Tonal

C - Cyclic

Noise Control Measures

S - Silencer, Acoustic Louver, Muffler

A - Acoustic Lining, Plenum

B - Barrier, Berm, Screening

L - Lagging

E - Acoustic Enclosure

O - Other

U - Uncontrolled

Table A1-C: Key Noise Source Summary (Year 4)

Source ID	Source Description	Overall Sound Power Level (dBA)	Source Location	Sound Characteristics	Noise Control Measures
TM	TIRE MANIPULATOR	111	O	S	U
CL_13	CRUSHER LOADER	111	O	S	U
LP_YR4_6	LIGHT PLANTS 6 - WSF (YR 4)	84	O	S	U
LP_YR4_5	LIGHT PLANTS 5 - WSF (YR 4)	84	O	S	U
LP_YR4_4	LIGHT PLANTS 4 - WSF (YR 4)	84	O	S	U
PD_251_YR4_3	PRODUCTION DRILL 3 - 251mm - PIT PHASE 3 (YR 4)	118	O	S	U
PD_251_YR4_2	PRODUCTION DRILL 2 - 251mm - PIT PHASE 3 (YR 4)	118	O	S	U
PD_251_YR4_1	PRODUCTION DRILL 1 - 251mm - PIT PHASE 2 (YR 4)	118	O	S	U
PD_140_YR4_2	PRODUCTION DRILL 2 - 140mm - PIT PHASE 3 (YR 4)	128	O	S	U
PD_140_YR4_1	PRODUCTION DRILL 1 - 140mm - PIT PHASE 2 (YR 4)	128	O	S	U
PTR_YR4	PUMP TRUCK - PIT (YR 4)	113	O	S	U
PMP_L80N_YR4_6	ATLAS COPCO WEDA SLURRY L80N PUMP 6 (YR 4)	90	O	S	U
PMP_L80N_YR4_5	ATLAS COPCO WEDA SLURRY L80N PUMP 5 (YR 4)	90	O	S	U
PMP_L80N_YR4_4	ATLAS COPCO WEDA SLURRY L80N PUMP 4 (YR 4)	90	O	S	U
PMP_L80N_YR4_3	ATLAS COPCO WEDA SLURRY L80N PUMP 3 (YR 4)	90	O	S	U
PMP_L80N_YR4_2	ATLAS COPCO WEDA SLURRY L80N PUMP 2 (YR 4)	90	O	S	U
PMP_L80N_YR4_1	ATLAS COPCO WEDA SLURRY L80N PUMP 1 (YR 4)	90	O	S	U
PMP_L100N_YR4_2	ATLAS COPCO WEDA SLURRY L100N PUMP 2 (YR 4)	96	O	S	U
PMP_L100N_YR4_1	ATLAS COPCO WEDA SLURRY L100N PUMP 1 (YR 4)	96	O	S	U
LP_YR4_3	LIGHT PLANTS 3 - PIT (YR 4)	84	O	S	U
LP_YR4_2	LIGHT PLANTS 2 - PIT (YR 4)	84	O	S	U
LP_YR4_1	LIGHT PLANTS 1 - PIT (YR 4)	84	O	S	U
TCF	TRANSFORMER 10MVA	84	O	S	U
PP_S001	PRIMARY CRUSHING AREA DUST COLLECTOR	99	O	S	U
PP_S002	PRIMARY CRUSHING AREA DUST COLLECTOR FAN	99	O	S	U
PP_S003	PRIMARY CRUSHING AREA AIR COMPRESSOR	106	O	S	U
PP_S004	ROCK BREAKER	123	O	S	U
PP_S005	PRIMARY GYRATORY CRUSHER	122	O	S	U
PP_S006	PRIMARY CRUSHER DISCHARGE APRON FEEDER	103	O	T	U
PP_S007	PRIMARY CRUSHER SACRIFICIAL CONVEYOR	103	O	T	U
PP_S008	PRIMARY CRUSHING AREA SUMP PUMP	103	O	S	U
PP_S009	SECONDARY CRUSHING AREA FEED CONVEYOR	103	O	T	U
PP_S010	SECONDARY CRUSHER APRON FEEDER	103	O	T	U
PP_S011	SECONDARY CONE CRUSHER	112	O	S	U
PP_S012	SECONDARY FEED CONVEYOR	103	O	T	U
PP_S013	SECONDARY CRUSHING AREA AIR COMPRESSOR	106	O	S	U
PP_S014	SECONDARY CRUSHING AREA DUST COLLECTOR	99	O	S	U
PP_S015	SECONDARY CRUSHING AREA DUST COLLECTOR FAN	99	O	S	U
PP_S016	SECONDARY CRUSHING AREA SUMP PUMP	98	O	S	U
PP_S017	STOCKPILE RECLAIM #1 APRON FEEDER	103	O	T	U
PP_S018	STOCKPILE RECLAIM #1 APRON FEEDER	103	O	T	U
PP_S019	STOCKPILE AREA AIR COMPRESSOR	106	O	S	U
PP_S020	RECLAIM #1 INSERTABLE DUST COLLECTOR	99	O	S	U
PP_S021	RECLAIM #1 INSERTABLE DUST COLLECTOR	99	O	S	U
PP_S022	RECLAIM #1 INSERTABLE DC FAN	99	O	S	U
PP_S023	RECLAIM #1 INSERTABLE DC FAN	99	O	S	U
PP_S024	HPGR #1 FEED CONVEYOR	103	O	T	U
PP_S025	HPGR#1 AREA SCRUBBER	85	O	S	U
PP_S026	HPGR#1 AREA SCRUBBER FAN	99	O	S	U
PP_S027	HPGR#1 SCREEN VIBRATING FEEDER	103	O	T	U
PP_S028	HPGR#1 SCREEN VIBRATING FEEDER	103	O	T	U
PP_S029	BALL MILL #1 FEED CONVEYOR	103	O	T	U
PP_S030	HPGR#1	112	O	S	U
PP_S031	HPGR#1 RECIRCULATION CONVEYOR	103	O	T	U
PP_S032	GRINDING #1 AREA SCRUBBER EXHAUST FAN	99	O	S	U
PP_S033	GRINDING #1 AREA SCRUBBER	85	O	S	U
PP_S034	BALL MILL #1	102	O	S	O
PP_S035	BALL MILL #1 CYCLONES FEED PUMP	98	O	S	U
PP_S036	GRAVITY #1 FEED PUMP	98	O	S	U
PP_S037	BALL MILL #1 CYCLONES	99	O	S	U
PP_S038	GRAVITY CONCENTRATOR #1	106	O	S	U
PP_S039	GRAVITY AREA SUMP PUMP	98	O	S	U
PP_S040	PROCESS WATER PUMP #1	109	O	S	U
PP_S041	PRE-LEACH THICKENER U/F PUMP #1	98	O	S	U
PP_S042	CIP AREA SUMP PUMP	98	O	S	U
PP_S043	KILN EXHAUST SCRUBBER	85	O	S	U
PP_S044	KILN EXHAUST SCRUBBER FAN	99	O	S	U
PP_S045	CARBON TRANSFER PUMP	98	O	S	U
PP_S046	BARREN SOLUTION PUMP	98	O	S	U
PP_S047	INDUCTION FURNACE SCRUBBER FAN	99	O	S	U
PP_S048	INDUCTION FURNACE SCRUBBER	85	O	S	U
PP_S049	AIR COMPRESSOR	106	O	S	U
PP_S050	AIR COMPRESSOR	106	O	S	U
PP_S051	COMPRESSED AIR DRYER	106	O	S	U
PP_S052	LIME PREPARATION AREA SCRUBBER FAN	99	O	S	U
PP_S053	LIME PREPARATION AREA SCRUBBER	99	O	S	U

Table A1-C: Key Noise Source Summary (Year 4)

Source ID	Source Description	Overall Sound Power Level (dBA)	Source Location	Sound Characteristics	Noise Control Measures
PP_S054	LIME DISTRIBUTION PUMP #1	103	O	S	U
PP_S055	FLOCCULANT PREPARATION BLOWER	106	O	S	U
PP_S056	CUSO4 PREPARATION AREA EXHAUST FAN	99	O	S	U
PP_S057	CUSO4 PUMP	98	O	S	U
PP_S058	SO2 STORAGE AREA AIR COMPRESSOR	106	O	S	U
PP_S059	GENERATOR INTAKE	107	O	S	S
PP_S060	GENERATOR DISCHARGE	104	O	S	S
PP_S061	GENERATOR AUXILIARY SIDE VENTILATION	97	O	S	U
PP_S062	GENERATOR REMOTE RADIATOR	97	O	S	U
PP_S063	GENERATOR EXHAUST	97	O	S	S
PP_S064	GENERATOR INTAKE	107	O	S	S
PP_S065	GENERATOR INTAKE	107	O	S	S
PP_S066	GENERATOR INTAKE	107	O	S	S
PP_S067	GENERATOR DISCHARGE	104	O	S	S
PP_S068	GENERATOR DISCHARGE	104	O	S	S
PP_S069	GENERATOR DISCHARGE	104	O	S	S
PP_S070	GENERATOR AUXILIARY SIDE VENTILATION	97	O	S	U
PP_S071	GENERATOR AUXILIARY SIDE VENTILATION	97	O	S	U
PP_S072	GENERATOR AUXILIARY SIDE VENTILATION	97	O	S	U
PP_S073	GENERATOR REMOTE RADIATOR	97	O	S	U
PP_S074	GENERATOR REMOTE RADIATOR	97	O	S	U
PP_S075	GENERATOR REMOTE RADIATOR	97	O	S	U
PP_S076	GENERATOR EXHAUST	97	O	S	S
PP_S077	GENERATOR EXHAUST	97	O	S	S
PP_S078	GENERATOR EXHAUST	97	O	S	S
PP_S079	ILR SOLUTION PUMP	98	O	S	U
PP_S080	ILR AREA SUMP PUMP	98	O	S	U
PP_S081	PRE-LEACH TRASH SCREEN AREA SUMP PUMP	98	O	S	U
PP_S082	PRE-LEACH THICKENING AREA SUMP PUMP	98	O	S	U
PP_S083	STOCKPILE RECLAIM #2 APRON FEEDER	103	O	T	U
PP_S084	STOCKPILE RECLAIM #2 APRON FEEDER	103	O	T	U
PP_S085	HPGR #2 FEED CONVEYOR	103	O	T	U
PP_S086	RECLAIM #2 INSERTABLE DUST COLLECTOR	99	O	S	U
PP_S087	RECLAIM #2 INSERTABLE DC FAN	99	O	S	U
PP_S088	RECLAIM #2 INSERTABLE DC FAN	99	O	S	U
PP_S089	RECLAIM #2 INSERTABLE DUST COLLECTOR	99	O	S	U
PP_S090	HPGR#2 AREA SCRUBBER FAN	99	O	S	U
PP_S091	HPGR#2 AREA SCRUBBER	85	O	S	U
PP_S092	HPGR#2 SCREEN VIBRATING FEEDER	103	O	T	U
PP_S093	HPGR#2 SCREEN VIBRATING FEEDER	103	O	T	U
PP_S094	BALL MILL #2 FEED CONVEYOR	103	O	T	U
PP_S095	HPGR#2	112	O	S	U
PP_S096	HPGR#2 RECIRCULATION CONVEYOR	103	O	T	U
PP_S097	GRINDING #2 AREA SCRUBBER EXHAUST FAN	99	O	S	U
PP_S098	GRINDING #2 AREA SCRUBBER	85	O	S	U
PP_S099	BALL MILL #2	102	O	S	O
PP_S100	BALL MILL #2 CYCLONES FEED PUMP	103	O	S	U
PP_S101	GRAVITY #2 FEED PUMP	98	O	S	U
PP_S102	BALL MILL #2 CYCLONES	99	O	S	U
PP_S103	PRE-LEACH THICKENER U/F PUMP #2	98	O	S	U
PP_S104	LIME DISTRIBUTION PUMP #2	103	O	S	U
PP_S105	GENERATOR INTAKE	107	O	S	S
PP_S106	GENERATOR DISCHARGE	104	O	S	S
PP_S107	GENERATOR AUXILIARY SIDE VENTILATION	97	O	S	U
PP_S108	GENERATOR REMOTE RADIATOR	97	O	S	U
PP_S109	GENERATOR EXHAUST	97	O	S	S
CR_YR4	CRANE ROAD MAINTENANCE (YR 4)	117	O	S	U
CL_13M	CRUSHER LOADER MOVEMENT	111	O	S	U
GD_RM	GRADER - HAUL ROADS	111	O	S	U
RCB	ROAD CREW BACKHOE MOVEMENT	111	O	S	U
RCD	ROAD CREW DUMP TRUCK MOVEMENT	114	O	S	U
RCL	ROAD CREW LOADER MOVEMENT	111	O	S	U
SWT	SNOWPLOW/WATER TRUCK MOVEMENT - HAUL ROADS	114	O	S	U
ITC_1	INTEGRATED TOOL CARRIER MOVEMENT 1	104	O	S	U
ITC_2	INTEGRATED TOOL CARRIER MOVEMENT 2	104	O	S	U
LFT	LUBE/FUEL TRUCK MOVEMENT- HAUL ROADS	114	O	S	U
MB_1	MAN BUS MOVEMENT 1	110	O	S	U
MB_2	MAN BUS MOVEMENT 2	110	O	S	U
MCN	MOBILE CRANE MOVEMENT	117	O	S	U
MT_1	MECHANIC'S TRUCK MOVEMENT 1	93	O	S	U
MT_2	MECHANIC'S TRUCK MOVEMENT 2	93	O	S	U
PT_1	PICKUP TRUCK MOVEMENT 1	93	O	S	U
PT_2	PICKUP TRUCK MOVEMENT 2	93	O	S	U
TTR	TRANSPORT TRUCK MOVEMENT	114	O	S	U
WT_1	WELDING TRUCK MOVEMENT 1	93	O	S	U
WT_2	WELDING TRUCK MOVEMENT 2	93	O	S	U

Table A1-C: Key Noise Source Summary (Year 4)

Source ID	Source Description	Overall Sound Power Level (dBA)	Source Location	Sound Characteristics	Noise Control Measures
HT_240_YR4_1B	HAULAGE TRUCK 240mt MOVEMENT 1B (PIT-CDF) (YR 4)	118	O	S	U
HT_240_YR4_1B	HAULAGE TRUCK 240mt MOVEMENT 1B (PIT-WDAM) (YR 4)	118	O	S	U
HT_240_YR4_2A	HAULAGE TRUCK 240mt MOVEMENT 2A (PIT) (YR 4)	118	O	S	U
HT_240_YR4_2B	HAULAGE TRUCK 240mt MOVEMENT 2B (PIT TO PLANT) (YR 4)	118	O	S	U
HT_240_YR4_2B	HAULAGE TRUCK 240mt MOVEMENT 2B (PIT TO LG STOCKPILE) (YR 4)	118	O	S	U
HT_240_YR4_2B	HAULAGE TRUCK 240mt MOVEMENT 2B (PIT TO H/MG STOCKPILE) (YR 4)	118	O	S	U
HT_240_YR4_2B	HAULAGE TRUCK 240mt MOVEMENT 2B (PIT TO SURF STOCKPILE) (YR 4)	118	O	S	U
MT_YR4	OFFSITE MATERIAL TRANSPORTATION TRUCK (YR 4)	114	O	S	U
BL_YR4_1A	BLASTING LOADER 1A MOVEMENT (YR 4)	118	O	S	U
BL_YR4_1B	BLASTING LOADER 1B MOVEMENT (YR 4)	118	O	S	U
BT_YR4_1A	BLASTER'S TRUCK 1A - PIT PHASE 2 (YR4)	93	O	S	U
BT_YR4_1B	BLASTER'S TRUCK 1B - PIT PHASE 3 (YR4)	93	O	S	U
GD_PIT_YR4_1A	GRADER 1A - PIT PHASE 2 (YR4)	111	O	S	U
GD_YR4_1B	GRADER 1B - PIT PHASE 3 (YR4)	111	O	S	U
HS_YR4_1	HYDRAULIC SHOVEL 1 MOVEMENT - PIT PHASE 2 (YR 4)	120	O	S	U
HS_YR4_2	HYDRAULIC SHOVEL 2 MOVEMENT - PIT PHASE 3 (YR 4)	119	O	S	U
PB_YR4_1A	PRODUCTION BACKHOE 1A - PIT PHASE 2 (YR4)	111	O	S	U
PB_YR4_1B	PRODUCTION BACKHOE 1B - PIT PHASE 3 (YR4)	111	O	S	U
PL_YR4_1A	PRODUCTION LOADER 1A - PIT PHASE 2 (YR4)	118	O	S	U
PL_YR4_1B	PRODUCTION LOADER 1B - PIT PHASE 3 (YR4)	117	O	S	U
TD_YR4_1	TRACK DOZER 1 - PIT PHASE 2 (YR 4)	113	O	S	U
TD_YR4_2	TRACK DOZER 2 - PIT PHASE 3 (YR4)	116	O	S	U
COMP_YR4	COMPACTOR - WSF (YR 4)	111	O	S	U
GD_YR4_1C	GRADER - WSF (YR 4)	111	O	S	U
TD_WSF_YR4	TRACK DOZER - WSF (YR 4)	114	O	S	U
TD_474_YR4	TRACK DOZER ROAD MAINTENANCE (YR 4)	113	O	S	U
DTR_YR4	DUMP TRUCK ROAD MAINTENANCE (YR 4)	117	O	S	U
BH_YR4	SUPPORT BACKHOE ROAD MAINTENANCE (YR 4)	111	O	S	U

Note 1: If source sound emission levels require adjustment to address special characteristics (i.e. tonal), the adjustment is not included in the Sound Power Level presented in this table.

Note 2: Sound Power Levels presented in Table 1 do not include time weighting or any adjustments that were considered in the noise modelling.

NOISE SOURCE SUMMARY TABLE NOMENCLATURE

Source Location

O - located/installed outside the building, including on the roof
I - located/installed inside the building

Sound Characteristics

S - Steady
Q - Quasi Steady Impulsive
I - Impulsive
B - Buzzing
T - Tonal
C - Cyclic

Noise Control Measures

S - Silencer, Acoustic Louver, Muffler
A - Acoustic Lining, Plenum
B - Barrier, Berm, Screening
L - Lagging
E - Acoustic Enclosure
O - Other
U - Uncontrolled

Table A1-D: Key Noise Source Summary (Year 9)

Source ID	Source Description	Overall Sound Power Level (dBA)	Source Location	Sound Characteristics	Noise Control Measures
LP_YR9_6	LIGHT PLANTS 6 - WSF (YR 9)	84	O	S	U
LP_YR9_5	LIGHT PLANTS 5 - WSF (YR 9)	84	O	S	U
LP_YR9_4	LIGHT PLANTS 4 - WSF (YR 9)	84	O	S	U
PD_251_YR9_2	PRODUCTION DRILL 2 - 251mm (YR 9)	118	O	S	U
PD_251_YR9_1	PRODUCTION DRILL 1 - 251mm (YR 9)	118	O	S	U
PD_140_YR9	PRODUCTION DRILL - 140mm (YR 9)	128	O	S	U
PTR_YR9	PUMP TRUCK - PIT (YR 9)	113	O	S	U
PMP_L80N_YR9_8	ATLAS COPCO WEDA SLURRY L80N PUMP 8 (YR 9)	90	O	S	U
PMP_L80N_YR9_7	ATLAS COPCO WEDA SLURRY L80N PUMP 7 (YR 9)	90	O	S	U
PMP_L80N_YR9_6	ATLAS COPCO WEDA SLURRY L80N PUMP 6 (YR 9)	90	O	S	U
PMP_L80N_YR9_5	ATLAS COPCO WEDA SLURRY L80N PUMP 5 (YR 9)	90	O	S	U
PMP_L80N_YR9_4	ATLAS COPCO WEDA SLURRY L80N PUMP 4 (YR 9)	90	O	S	U
PMP_L80N_YR9_3	ATLAS COPCO WEDA SLURRY L80N PUMP 3 (YR 9)	90	O	S	U
PMP_L80N_YR9_2	ATLAS COPCO WEDA SLURRY L80N PUMP 2 (YR 9)	90	O	S	U
PMP_L80N_YR9_1	ATLAS COPCO WEDA SLURRY L80N PUMP 1 (YR 9)	90	O	S	U
PMP_L100N_YR9_3	ATLAS COPCO WEDA SLURRY L100N PUMP 3 (YR 9)	96	O	S	U
PMP_L100N_YR9_2	ATLAS COPCO WEDA SLURRY L100N PUMP 2 (YR 9)	96	O	S	U
PMP_L100N_YR9_1	ATLAS COPCO WEDA SLURRY L100N PUMP 1 (YR9)	96	O	S	U
LP_YR9_3	LIGHT PLANTS 3 - PIT (YR 9)	84	O	S	U
LP_YR9_2	LIGHT PLANTS 2 - PIT (YR 9)	84	O	S	U
LP_YR9_1	LIGHT PLANTS 1 - PIT (YR 9)	84	O	S	U
TM	TIRE MANIPULATOR	111	O	S	U
CL_13	CRUSHER LOADER	111	O	S	U
TCF	TRANSFORMER 10MVA	84	O	S	U
PP_S001	PRIMARY CRUSHING AREA DUST COLLECTOR	99	O	S	U
PP_S002	PRIMARY CRUSHING AREA DUST COLLECTOR FAN	99	O	S	U
PP_S003	PRIMARY CRUSHING AREA AIR COMPRESSOR	106	O	S	U
PP_S004	ROCK BREAKER	123	O	S	U
PP_S005	PRIMARY GYRATORY CRUSHER	122	O	S	U
PP_S006	PRIMARY CRUSHER DISCHARGE APRON FEEDER	103	O	T	U
PP_S007	PRIMARY CRUSHER SACRIFICIAL CONVEYOR	103	O	T	U
PP_S008	PRIMARY CRUSHING AREA SUMP PUMP	103	O	S	U
PP_S009	SECONDARY CRUSHING AREA FEED CONVEYOR	103	O	T	U
PP_S010	SECONDARY CRUSHER APRON FEEDER	103	O	T	U
PP_S011	SECONDARY CONE CRUSHER	112	O	S	U
PP_S012	SECONDARY FEED CONVEYOR	103	O	T	U
PP_S013	SECONDARY CRUSHING AREA AIR COMPRESSOR	106	O	S	U
PP_S014	SECONDARY CRUSHING AREA DUST COLLECTOR	99	O	S	U
PP_S015	SECONDARY CRUSHING AREA DUST COLLECTOR FAN	99	O	S	U
PP_S016	SECONDARY CRUSHING AREA SUMP PUMP	98	O	S	U
PP_S017	STOCKPILE RECLAIM #1 APRON FEEDER	103	O	T	U
PP_S018	STOCKPILE RECLAIM #1 APRON FEEDER	103	O	T	U
PP_S019	STOCKPILE AREA AIR COMPRESSOR	106	O	S	U
PP_S020	RECLAIM #1 INSERTABLE DUST COLLECTOR	99	O	S	U
PP_S021	RECLAIM #1 INSERTABLE DUST COLLECTOR	99	O	S	U
PP_S022	RECLAIM #1 INSERTABLE DC FAN	99	O	S	U
PP_S023	RECLAIM #1 INSERTABLE DC FAN	99	O	S	U
PP_S024	HPGR #1 FEED CONVEYOR	103	O	T	U
PP_S025	HPGR#1 AREA SCRUBBER	85	O	S	U
PP_S026	HPGR#1 AREA SCRUBBER FAN	99	O	S	U
PP_S027	HPGR#1 SCREEN VIBRATING FEEDER	103	O	T	U
PP_S028	HPGR#1 SCREEN VIBRATING FEEDER	103	O	T	U
PP_S029	BALL MILL #1 FEED CONVEYOR	103	O	T	U
PP_S030	HPGR#1	112	O	S	U
PP_S031	HPGR#1 RECIRCULATION CONVEYOR	103	O	T	U
PP_S032	GRINDING #1 AREA SCRUBBER EXHAUST FAN	99	O	S	U
PP_S033	GRINDING #1 AREA SCRUBBER	85	O	S	U
PP_S034	BALL MILL #1	102	O	S	O
PP_S035	BALL MILL #1 CYCLONES FEED PUMP	98	O	S	U
PP_S036	GRAVITY #1 FEED PUMP	98	O	S	U
PP_S037	BALL MILL #1 CYCLONES	99	O	S	U
PP_S038	GRAVITY CONCENTRATOR #1	106	O	S	U
PP_S039	GRAVITY AREA SUMP PUMP	98	O	S	U
PP_S040	PROCESS WATER PUMP #1	109	O	S	U
PP_S041	PRE-LEACH THICKENER U/F PUMP #1	98	O	S	U
PP_S042	CIP AREA SUMP PUMP	98	O	S	U
PP_S043	KILN EXHAUST SCRUBBER	85	O	S	U
PP_S044	KILN EXHAUST SCRUBBER FAN	99	O	S	U
PP_S045	CARBON TRANSFER PUMP	98	O	S	U
PP_S046	BARREN SOLUTION PUMP	98	O	S	U
PP_S047	INDUCTION FURNACE SCRUBBER FAN	99	O	S	U
PP_S048	INDUCTION FURNACE SCRUBBER	85	O	S	U
PP_S049	AIR COMPRESSOR	106	O	S	U
PP_S050	AIR COMPRESSOR	106	O	S	U
PP_S051	COMPRESSED AIR DRYER	106	O	S	U
PP_S052	LIME PREPARATION AREA SCRUBBER FAN	99	O	S	U

Table A1-D: Key Noise Source Summary (Year 9)

Source ID	Source Description	Overall Sound Power Level (dBA)	Source Location	Sound Characteristics	Noise Control Measures
PP_S053	LIME PREPARATION AREA SCRUBBER	99	O	S	U
PP_S054	LIME DISTRIBUTION PUMP #1	103	O	S	U
PP_S055	FLOCCULANT PREPARATION BLOWER	106	O	S	U
PP_S056	CUSO4 PREPARATION AREA EXHAUST FAN	99	O	S	U
PP_S057	CUSO4 PUMP	98	O	S	U
PP_S058	SO2 STORAGE AREA AIR COMPRESSOR	106	O	S	U
PP_S059	GENERATOR INTAKE	107	O	S	S
PP_S060	GENERATOR DISCHARGE	104	O	S	S
PP_S061	GENERATOR AUXILIARY SIDE VENTILATION	97	O	S	U
PP_S062	GENERATOR REMOTE RADIATOR	97	O	S	U
PP_S063	GENERATOR EXHAUST	97	O	S	S
PP_S064	GENERATOR INTAKE	107	O	S	S
PP_S065	GENERATOR INTAKE	107	O	S	S
PP_S066	GENERATOR INTAKE	107	O	S	S
PP_S067	GENERATOR DISCHARGE	104	O	S	S
PP_S068	GENERATOR DISCHARGE	104	O	S	S
PP_S069	GENERATOR DISCHARGE	104	O	S	S
PP_S070	GENERATOR AUXILIARY SIDE VENTILATION	97	O	S	U
PP_S071	GENERATOR AUXILIARY SIDE VENTILATION	97	O	S	U
PP_S072	GENERATOR AUXILIARY SIDE VENTILATION	97	O	S	U
PP_S073	GENERATOR REMOTE RADIATOR	97	O	S	U
PP_S074	GENERATOR REMOTE RADIATOR	97	O	S	U
PP_S075	GENERATOR REMOTE RADIATOR	97	O	S	U
PP_S076	GENERATOR EXHAUST	97	O	S	S
PP_S077	GENERATOR EXHAUST	97	O	S	S
PP_S078	GENERATOR EXHAUST	97	O	S	S
PP_S079	ILR SOLUTION PUMP	98	O	S	U
PP_S080	ILR AREA SUMP PUMP	98	O	S	U
PP_S081	PRE-LEACH TRASH SCREEN AREA SUMP PUMP	98	O	S	U
PP_S082	PRE-LEACH THICKENING AREA SUMP PUMP	98	O	S	U
PP_S083	STOCKPILE RECLAIM #2 APRON FEEDER	103	O	T	U
PP_S084	STOCKPILE RECLAIM #2 APRON FEEDER	103	O	T	U
PP_S085	HPGR #2 FEED CONVEYOR	103	O	T	U
PP_S086	RECLAIM #2 INSERTABLE DUST COLLECTOR	99	O	S	U
PP_S087	RECLAIM #2 INSERTABLE DC FAN	99	O	S	U
PP_S088	RECLAIM #2 INSERTABLE DC FAN	99	O	S	U
PP_S089	RECLAIM #2 INSERTABLE DUST COLLECTOR	99	O	S	U
PP_S090	HPGR#2 AREA SCRUBBER FAN	99	O	S	U
PP_S091	HPGR#2 AREA SCRUBBER	85	O	S	U
PP_S092	HPGR#2 SCREEN VIBRATING FEEDER	103	O	T	U
PP_S093	HPGR#2 SCREEN VIBRATING FEEDER	103	O	T	U
PP_S094	BALL MILL #2 FEED CONVEYOR	103	O	T	U
PP_S095	HPGR#2	112	O	S	U
PP_S096	HPGR#2 RECIRCULATION CONVEYOR	103	O	T	U
PP_S097	GRINDING #2 AREA SCRUBBER EXHAUST FAN	99	O	S	U
PP_S098	GRINDING #2 AREA SCRUBBER	85	O	S	U
PP_S099	BALL MILL #2	102	O	S	O
PP_S100	BALL MILL #2 CYCLONES FEED PUMP	103	O	S	U
PP_S101	GRAVITY #2 FEED PUMP	98	O	S	U
PP_S102	BALL MILL #2 CYCLONES	99	O	S	U
PP_S103	PRE-LEACH THICKENER U/F PUMP #2	98	O	S	U
PP_S104	LIME DISTRIBUTION PUMP #2	103	O	S	U
PP_S105	GENERATOR INTAKE	107	O	S	S
PP_S106	GENERATOR DISCHARGE	104	O	S	S
PP_S107	GENERATOR AUXILIARY SIDE VENTILATION	97	O	S	U
PP_S108	GENERATOR REMOTE RADIATOR	97	O	S	U
PP_S109	GENERATOR EXHAUST	97	O	S	S
CR_YR9	CRANE ROAD MAINTENANCE (YR 9)	117	O	S	U
CL_13M	CRUSHER LOADER MOVEMENT	111	O	S	U
GD_RM	GRADER - HAUL ROADS	111	O	S	U
RCB	ROAD CREW BACKHOE MOVEMENT	111	O	S	U
RCD	ROAD CREW DUMP TRUCK MOVEMENT	114	O	S	U
RCL	ROAD CREW LOADER MOVEMENT	111	O	S	U
SWT	SNOWPLOW/WATER TRUCK MOVEMENT- HAUL ROADS	114	O	S	U
ITC_1	INTEGRATED TOOL CARRIER MOVEMENT 1	104	O	S	U
ITC_2	INTEGRATED TOOL CARRIER MOVEMENT 2	104	O	S	U
LFT	LUBE/FUEL TRUCK MOVEMENT- HAUL ROADS	114	O	S	U
MB_1	MAN BUS MOVEMENT 1	110	O	S	U
MB_2	MAN BUS MOVEMENT 2	110	O	S	U
MCN	MOBILE CRANE MOVEMENT	117	O	S	U
MT_1	MECHANIC'S TRUCK MOVEMENT 1	93	O	S	U
MT_2	MECHANIC'S TRUCK MOVEMENT 2	93	O	S	U
PT_1	PICKUP TRUCK MOVEMENT 1	93	O	S	U
PT_2	PICKUP TRUCK MOVEMENT 2	93	O	S	U
TTR	TRANSPORT TRUCK MOVEMENT	114	O	S	U
WT_1	WELDING TRUCK MOVEMENT 1	93	O	S	U

Table A1-D: Key Noise Source Summary (Year 9)

Source ID	Source Description	Overall Sound Power Level (dBA)	Source Location	Sound Characteristics	Noise Control Measures
WT_2	WELDING TRUCK MOVEMENT 2	93	O	S	U
HT_240_YR9_2A	HAULAGE TRUCK 240mt MOVEMENT 2A (PIT) (YR 9)	118	O	S	U
HT_240_YR9_2B	HAULAGE TRUCK 240mt MOVEMENT 2B (PIT TO PLANT) (YR 9)	118	O	S	U
HT_240_YR9_2B	HAULAGE TRUCK 240mt MOVEMENT 2B (LG STOCKPILE TO PLANT) (YR 9)	118	O	S	U
MT_YR9	OFFSITE MATERIAL TRANSPORTATION TRUCK (YR 9)	114	O	S	U
BL_YR9	BLASTING LOADER MOVEMENT (YR 9)	118	O	S	U
BT_YR9	BLASTER'S TRUCK MOVEMENT (YR 9)	93	O	S	U
GD_PIT_YR9	GRADER - PIT (YR 9)	111	O	S	U
HSE_YR9	HYDRAULIC SHOVEL MOVEMENT - PIT (YR 9)	123	O	S	U
PL_YR9	PRODUCTION LOADER MOVEMENT (YR 9)	118	O	S	U
PSB_YR9	PRODUCTION BACKHOE (YR 9)	111	O	S	U
TD_PIT_YR9	TRACK DOZER - PIT (YR 9)	118	O	S	U
COMP_YR9	COMPACTOR - WSF (YR 9)	111	O	S	U
GD_WSF_YR9	GRADER - WSF (YR 9)	111	O	S	U
TD_WSF_YR 10	TRACK DOZER - WSF (YR 9)	115	O	S	U
TD_474_YR9	TRACK DOZER ROAD MAINTENANCE (YR 9)	113	O	S	U
DTR_YR9	DUMP TRUCK ROAD MAINTENANCE (YR 9)	117	O	S	U
BH_YR9	SUPPORT BACKHOE ROAD MAINTENANCE (YR 9)	111	O	S	U

Note 1: If source sound emission levels require adjustment to address special characteristics (i.e. tonal), the adjustment is not included in the Sound Power Level presented in this table.

Note 2: Sound Power Levels presented in Table 1 do not include time weighting or any adjustments that were considered in the noise modelling.

NOISE SOURCE SUMMARY TABLE NOMENCLATURE

Source Location

O - located/installed outside the building, including on the roof

I - located/installed inside the building

Sound Characteristics

S - Steady

Q - Quasi Steady Impulsive

I - Impulsive

B - Buzzing

T - Tonal

C - Cyclic

Noise Control Measures

S - Silencer, Acoustic Louver, Muffler

A - Acoustic Lining, Plenum

B - Barrier, Berm, Screening

L - Lagging

E - Acoustic Enclosure

O - Other

U - Uncontrolled

Table A2-A: Point of Reception Predicted Individual Source Sound Levels (Year -2)

Source ID	POR01			POR02			POR03			POR04			POR05			POR06			POR07		
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)
LP_YRM2_6	7678	—	0	2077	—	0	3142	—	0	3891	—	0	3252	—	0	6018	—	0	12121	—	—
LP_YRM2_5	6360	—	0	3573	—	0	4835	—	0	3101	—	0	1834	—	0	6524	—	0	13631	—	—
LP_YRM2_4	7002	—	0	2792	—	0	3986	—	0	3408	—	0	2502	—	0	6224	—	0	12873	—	—
PD_140_YRM2_2	7274	22	22	3592	29	29	3597	32	32	6029	25	25	3698	31	31	3790	31	31	10619	—	—
PD_140_YRM2_1	7455	22	22	3578	29	29	3489	32	32	6166	24	24	3902	30	30	3739	31	31	10418	—	—
PTR_YRM2	7230	6	6	3559	16	16	3603	19	19	5951	10	10	3624	19	19	3850	18	18	10698	—	—
PMP_L80N_YRM2_2	8530	0	0	2350	0	0	2161	2	2	5725	0	0	4537	0	0	4906	0	0	10243	—	—
PMP_L80N_YRM2_1	7933	0	0	3697	0	0	3326	0	0	6643	0	0	4488	0	0	3555	0	0	9828	—	—
PMP_L100N_YRM2_2	8069	0	0	3574	0	0	3169	2	2	6613	0	0	4569	0	0	3685	0	0	9770	—	—
PMP_L100N_YRM2_1	8687	0	0	2559	2	2	2146	9	9	6046	0	0	4781	0	0	4741	0	0	9925	—	—
LP_YRM2_3	7616	—	0	3565	—	0	3395	—	0	6280	—	0	4078	—	0	3713	—	0	10247	—	—
LP_YRM2_2	7379	—	0	3569	—	0	3525	—	0	6093	—	0	3809	—	0	3774	—	0	10512	—	—
LP_YRM2_1	7185	—	0	3592	—	0	3647	—	0	5949	—	0	3590	—	0	3832	—	0	10727	—	—
TCF	6808	0	0	4599	0	0	4495	0	0	6789	0	0	3832	0	0	2854	0	0	10526	—	—
GD_RM	6482 / 8664	1	1	2187 / 4321	13	13	2142 / 4203	16	16	4552 / 6839	6	6	2417 / 4935	14	14	2973 / 5124	11	11	9453 / 12034	—	—
ITC_1	6950 / 7755	0	0	4331 / 4517	0	0	3979 / 4375	0	0	6780 / 7235	0	0	3929 / 4692	0	0	2826 / 2964	3	3	9611 / 10409	—	—
ITC_2	6482 / 8664	1	1	2186 / 4321	10	10	2142 / 4203	11	11	4553 / 6838	4	4	2417 / 4932	10	10	2974 / 5123	8	8	9456 / 12034	—	—
LFT	6482 / 8664	3	3	2187 / 4321	14	14	2142 / 4203	17	17	4553 / 6839	7	7	2417 / 4935	15	15	2973 / 5124	12	12	9453 / 12034	—	—
MB_1	6950 / 7754	0	0	4331 / 4517	0	0	3979 / 4375	0	0	6780 / 7234	0	0	3929 / 4691	0	0	2826 / 2965	4	4	9612 / 10409	—	—
MB_2	6483 / 8665	1	1	2186 / 4321	10	10	2142 / 4202	13	13	4552 / 6839	5	5	2418 / 4935	11	11	2974 / 5124	9	9	9453 / 12033	—	—
MCN	6482 / 8664	3	3	2187 / 4321	16	16	2142 / 4203	19	19	4552 / 6839	7	7	2417 / 4935	16	16	2973 / 5124	13	13	9453 / 12034	—	—
MT_1	6950 / 7754	0	0	4331 / 4517	0	0	3977 / 4375	0	0	6780 / 7232	0	0	3929 / 4690	0	0	2826 / 2964	0	0	9613 / 10409	—	—
MT_2	6482 / 8664	0	0	2187 / 4321	0	0	2142 / 4203	0	0	4553 / 6839	0	0	2417 / 4935	0	0	2973 / 5125	0	0	9453 / 12034	—	—
PT_1	6950 / 7755	0	0	4331 / 4517	0	0	3979 / 4375	0	0	6780 / 7235	0	0	3929 / 4693	0	0	2826 / 2965	0	0	9611 / 10409	—	—
PT_2	6483 / 8665	0	0	2186 / 4321	5	5	2142 / 4202	7	7	4553 / 6839	0	0	2418 / 4935	6	6	2974 / 5124	3	3	9453 / 12033	—	—
TTR	6482 / 8664	3	3	2187 / 4321	14	14	2142 / 4203	17	17	4553 / 6839	7	7	2417 / 4935	15	15	2973 / 5124	12	12	9453 / 12034	—	—
WT_1	6950 / 7754	0	0	4331 / 4517	0	0	3979 / 4375	0	0	6780 / 7234	0	0	3929 / 4691	0	0	2826 / 2965	0	0	9612 / 10409	—	—
WT_2	6482 / 8664	0	0	2187 / 4321	0	0	2142 / 4203	0	0	4552 / 6839	0	0	2417 / 4935	0	0	2973 / 5124	0	0	9453 / 12034	—	—
HT_91_YRM2_1	7212 / 8671	4	4	2491 / 3796	16	16	2132 / 3690	20	20	5958 / 6778	8	8	3686 / 4943	13	13	3455 / 4795	15	15	9444 / 10618	—	—
CM_YRM2	7793 / 21773	2	—	4430 / 18316	14	—	3462 / 16699	23	0	7261 / 22434	6	—	4731 / 20184	12	—	2828 / 14469	22	0	1467 / 9571	29	0
CR_YRM2	7793 / 21776	0	—	4430 / 18318	11	—	3463 / 16701	20	0	7261 / 22437	2	—	4731 / 20187	8	—	2828 / 14472	18	0	1467 / 9571	27	0
DR_YRM2	7793 / 21773	10	—	4430 / 18316	21	0	3462 / 16699	29	0	7261 / 22434	14	—	4731 / 20184	20	0	2828 / 14469	28	0	1467 / 9571	36	0
DT_YRM2	7793 / 21774	6	—	4430 / 18318	17	—	3463 / 16701	26	0	7261 / 22436	10	—	4731 / 20186	16	—	2828 / 14471	24	0	1466 / 9571	32	0
DZ_YRM2	7793 / 21773	2	—	4430 / 18316	15	—	3462 / 16699	24	0	7261 / 22434	6	—	4731 / 20184	13	—	2828 / 14469	23	0	1467 / 9571	31	0
ET_YRM2	7793 / 21773	0	—	4430 / 18318	11	—	3462 / 16700	20	0	7261 / 22436	4	—	4731 / 20185	10	—	2828 / 14469	19	0	1467 / 9571	26	0
EX_YRM2	7793 / 21781	3	—	4430 / 18324	14	—	3462 / 16707	20	0	7261 / 22443	7	—	4731 / 20193	11	—	2828 / 14477	19	0	1467 / 9571	25	0
FB_YRM2	7793 / 21780	4	—	4430 / 18326	15	0	3462 / 16708	24	0	7261 / 22444	8	—	4731 / 20193	14	—	2828 / 14477	22	0	1467 / 9571	30	0
GR_YRM2	7793 / 21784	0	—	4430 / 18327	8	—	3462 / 16710	17	0	7261 / 22446	0	—	4731 / 20196	6	—	2828 / 14481	16	0	1466 / 9571	23	0
GT_YRM2	7793 / 21781	6	—	4430 / 18324	17	—	3462 / 16707	26	0	7261 / 22443	10	—	4731 / 20193	16	—	2828 / 14477	24	0	1467 / 9571	32	0
LD_YRM2	7793 / 21776	0	—	4430 / 18318	10	—	3461 / 16701	19	0	7261 / 22437	3	—	4731 / 20187	9	—	2828 / 14472	18	0	1466 / 9571	26	0
PD_YRM2	7793 / 21777	2	—	4430 / 18321	14	0	3463 / 16704	23	0	7261 / 22439	6	—	4731 / 20189	12	0	2828 / 14473	22	0	1466 / 9571	30	0
PK_YRM2	7793 / 21775	0	—	4430 / 18321	11	—	3462 / 16703	20	0	7261 / 22439	3	—	4731 / 20188	9	—	2828 / 14472	19	0	1466 / 9571	26	0
PT_YRM2	7793 / 21779	0	—	4430 / 18324	3	—	3462 / 16707	9	—	7261 / 22442	0	—	4731 / 20192	0	—	2828 / 14476	8	—	1466 / 9571	14	—
RC_YRM2	7793 / 21771	8	—	4430 / 18316	20	0	3462 / 16698	29	0	7261 / 22434	12	—	4731 / 20184	18	0	2828 / 14468	28	0	1467 / 9571	36	0
SS_YRM2	7793 / 21773	0	—	4430 / 18318	8	—	3462 / 16700	15	0	7261 / 22436	1	—	4731 / 20185	6	—	2828 / 14469	14	—	1467 / 9571	21	0
WT_YRM2	7793 / 21773	0	—	4430 / 18318	11	—	3463 / 16700	20	0	7261 / 22436	4	—	4731 / 20185	10	—	2828 / 14469	19	0	1467 / 9571	26	0
CM_YRM2_TL	7780 / 21792	0	—	4421 / 16722	7	—	3462 / 15030	16	—	7245 / 21066	0	—	4714 / 19483	5	—	2836 / 14350	15	—	1467 / 9588	23	—
CR_YRM2_TL	7780 / 21792	3	—	4421 / 16722	16	—	3462 / 15030	24	—	7245 / 21066	7	—	4714 / 19483	13	—	2836 / 14350	23	—	1467 / 9588	32	—
DD_YRM2_TL	7780 / 21792	0	—	4421 / 16722	2	—	3462 / 15030	10	—	7245 / 21066	0	—	4714 / 19483	0	—	2836 / 14350	9	—	1467 / 9588	18	—
DZ_YRM2_TL	7780 / 21792	0	—	4421 / 16722	14	—	3462 / 15030	23	—	7245 / 21066	4	—	4714 / 19483	11	—	2836 / 14350	21	—	1467 / 9588	29	—
EX_YRM2_TL	7780 / 21792	8	—	4421 / 16722	19	—	3462 / 15030	24	—	7245 / 21066	11	—	4714 / 19483	16	—	2836 / 14350	23	—	1467 / 9588	30	—
FB_YRM2_TL	7780 / 21792	3	—	4421 / 16722	14	—	3462 / 15030	23	—	7245 / 21066	7	—	4714 / 19483	13	—	2836 / 14350	21	—	1467 / 9588	29	—
GT_YRM2_TL	7780 / 21792	5	—	4421 / 16722	16	—	3462 / 15030	24	—	7245 / 21066	8	—	4714 / 19483	14	—	2836 / 14350	23	—	1467 / 9588	31	—
LT_YRM2_TL	7780 / 21792	0	—	4421 / 16722	0	—	3462 / 15030	9	—	7245 / 21066	0	—	4714 / 19483	0	—	2836 / 14350	7	—	1467 / 9588	15	—
PT_YRM2_TL	7780 / 21792	0	—	4421 / 16722	0	—	3462 / 15030	5	—	7245 / 21066	0	—	4714 / 19483	0	—	2836 / 14350	3	—	1467 / 9588	11	—
RT_YRM2_TL	7780 / 21792	0	—	4421 / 16722	8	—	3462 / 15030	17	—	7245 / 21066	0	—	4714 / 19483	6	—	2836 / 14350	15	—	1467 / 9588	23	—
TE_YRM2_TL	7780 / 21792	0	—	4421 / 16722	11	—	3462 / 15030	17	—	7245 / 21066	4	—	4714 / 19483	8	—	2836 / 14350	16	—	1467 / 9588	22	—
BL_YRM2	7120 / 7686	17	17	3355 / 3666	25	25	3278 / 3705	28	28	5658 / 6408	20	20	3416 / 4191	26	26	3625 / 4116	26	26	10126 / 10935	—	—
BT_YRM2	7120 / 7686	0	0	3355 / 3666	1	1	3278 / 3705	3	3	5658 / 6408	0	0	3416 / 4191	2	2	3625 / 4116	2	2			

Table A2-A: Point of Reception Predicted Individual Source Sound Levels (Year -2)

Source ID	POR08			POR09			POR10			POR11			POR12			POR13			POR14		
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)
LP_YRM2_6	25655	—	—	49281	—	—	41566	—	—	40921	—	—	44702	—	—	57486	—	—	65732	—	—
LP_YRM2_5	27360	—	—	50875	—	—	43190	—	—	42568	—	—	46280	—	—	59011	—	—	67199	—	—
LP_YRM2_4	26507	—	—	50079	—	—	42379	—	—	41745	—	—	45492	—	—	58250	—	—	66467	—	—
PD_140_YRM2_2	25106	—	—	47940	—	—	40335	—	—	39781	—	—	43317	—	—	55963	—	—	64092	—	—
PD_140_YRM2_1	24909	—	—	47738	—	—	40131	—	—	39577	—	—	43116	—	—	55766	—	—	63899	—	—
PTR_YRM2	25165	—	—	48017	—	—	40411	—	—	39855	—	—	43395	—	—	56044	—	—	64174	—	—
PMP_L80N_YRM2_2	24114	—	—	47445	—	—	39758	—	—	39140	—	—	42856	—	—	55616	—	—	63849	—	—
PMP_L80N_YRM2_1	24374	—	—	47148	—	—	39543	—	—	38992	—	—	42526	—	—	55179	—	—	63318	—	—
PMP_L100N_YRM2_2	24254	—	—	47083	—	—	39469	—	—	38910	—	—	42464	—	—	55130	—	—	63281	—	—
PMP_L100N_YRM2_1	23871	—	—	47138	—	—	39457	—	—	38846	—	—	42546	—	—	55299	—	—	63529	—	—
LP_YRM2_3	24736	—	—	47565	—	—	39957	—	—	39401	—	—	42944	—	—	55598	—	—	63736	—	—
LP_YRM2_2	24994	—	—	47831	—	—	40225	—	—	39670	—	—	43210	—	—	55859	—	—	63991	—	—
LP_YRM2_1	25207	—	—	48048	—	—	40444	—	—	39889	—	—	43425	—	—	56070	—	—	64198	—	—
TCF	25433	—	—	47844	—	—	40306	—	—	39801	—	—	43200	—	—	55758	—	—	63812	—	—
GD_RM	23827 / 26237	—	—	46750 / 49334	—	—	39121 / 41699	—	—	38552 / 41121	—	—	42137 / 44721	—	—	54826 / 57402	—	—	62999 / 65557	—	—
ITC_1	24479 / 25292	—	—	46938 / 47731	—	—	39380 / 40187	—	—	38864 / 39678	—	—	42300 / 43088	—	—	54892 / 55655	—	—	62981 / 63717	—	—
ITC_2	23827 / 26238	—	—	46753 / 49334	—	—	39125 / 41700	—	—	38556 / 41122	—	—	42141 / 44722	—	—	54829 / 57402	—	—	63002 / 65557	—	—
LFT	23827 / 26237	—	—	46750 / 49334	—	—	39121 / 41699	—	—	38552 / 41121	—	—	42137 / 44721	—	—	54826 / 57401	—	—	62999 / 65557	—	—
MB_1	24480 / 25292	—	—	46939 / 47731	—	—	39381 / 40187	—	—	38865 / 39678	—	—	42301 / 43088	—	—	54893 / 55655	—	—	62982 / 63717	—	—
MB_2	23826 / 26237	—	—	46750 / 49333	—	—	39120 / 41699	—	—	38551 / 41121	—	—	42137 / 44721	—	—	54825 / 57402	—	—	62999 / 65557	—	—
MCN	23827 / 26237	—	—	46750 / 49334	—	—	39121 / 41699	—	—	38552 / 41121	—	—	42137 / 44721	—	—	54826 / 57402	—	—	62999 / 65557	—	—
MT_1	24480 / 25292	—	—	46940 / 47731	—	—	39382 / 40187	—	—	38866 / 39678	—	—	42302 / 43088	—	—	54894 / 55655	—	—	62983 / 63717	—	—
MT_2	23827 / 26237	—	—	46750 / 49334	—	—	39121 / 41699	—	—	38552 / 41121	—	—	42137 / 44721	—	—	54826 / 57402	—	—	62999 / 65557	—	—
PT_1	24479 / 25292	—	—	46937 / 47731	—	—	39380 / 40187	—	—	38864 / 39678	—	—	42300 / 43088	—	—	54892 / 55655	—	—	62980 / 63717	—	—
PT_2	23826 / 26237	—	—	46750 / 49333	—	—	39120 / 41699	—	—	38551 / 41121	—	—	42137 / 44721	—	—	54825 / 57402	—	—	62999 / 65556	—	—
TTR	23827 / 26237	—	—	46750 / 49334	—	—	39121 / 41699	—	—	38552 / 41121	—	—	42137 / 44721	—	—	54826 / 57402	—	—	62999 / 65557	—	—
WT_1	24480 / 25292	—	—	46939 / 47731	—	—	39382 / 40187	—	—	38865 / 39678	—	—	42301 / 43088	—	—	54893 / 55655	—	—	62982 / 63717	—	—
WT_2	23827 / 26237	—	—	46750 / 49334	—	—	39121 / 41699	—	—	38552 / 41121	—	—	42137 / 44721	—	—	54826 / 57403	—	—	62999 / 65557	—	—
HT_91_YRM2_1	23815 / 25149	—	—	46741 / 47942	—	—	39112 / 40344	—	—	38543 / 39795	—	—	42128 / 43317	—	—	54816 / 55955	—	—	62990 / 64076	—	—
CM_YRM2	16586 / 24440	—	—	32368 / 46898	—	—	25456 / 39341	—	—	25410 / 38824	—	—	27638 / 42261	—	—	39682 / 54854	—	—	47517 / 62943	—	—
CR_YRM2	16582 / 24440	—	—	32365 / 46898	—	—	25453 / 39341	—	—	25407 / 38824	—	—	27635 / 42261	—	—	39679 / 54854	—	—	47514 / 62943	—	—
DR_YRM2	16584 / 24440	—	—	32368 / 46898	—	—	25456 / 39341	—	—	25410 / 38824	—	—	27638 / 42261	—	—	39682 / 54854	—	—	47517 / 62943	—	—
DT_YRM2	16584 / 24440	—	—	32367 / 46898	—	—	25455 / 39341	—	—	25409 / 38824	—	—	27637 / 42261	—	—	39681 / 54854	—	—	47515 / 62943	—	—
DZ_YRM2	16586 / 24440	—	—	32368 / 46898	—	—	25456 / 39341	—	—	25410 / 38824	—	—	27638 / 42261	—	—	39682 / 54854	—	—	47517 / 62943	—	—
ET_YRM2	16584 / 24440	—	—	32368 / 46898	—	—	25457 / 39341	—	—	25412 / 38824	—	—	27639 / 42261	—	—	39682 / 54854	—	—	47517 / 62943	—	—
EX_YRM2	16586 / 24440	—	—	32360 / 46898	—	—	25448 / 39341	—	—	25403 / 38824	—	—	27630 / 42261	—	—	39674 / 54854	—	—	47509 / 62943	—	—
FB_YRM2	16584 / 24440	—	—	32362 / 46898	—	—	25451 / 39341	—	—	25407 / 38824	—	—	27632 / 42261	—	—	39675 / 54854	—	—	47509 / 62943	—	—
GR_YRM2	16583 / 24440	—	—	32357 / 46898	—	—	25446 / 39341	—	—	25401 / 38824	—	—	27627 / 42261	—	—	39671 / 54854	—	—	47505 / 62943	—	—
GT_YRM2	16581 / 24440	—	—	32360 / 46898	—	—	25448 / 39341	—	—	25403 / 38824	—	—	27630 / 42261	—	—	39674 / 54854	—	—	47509 / 62943	—	—
LD_YRM2	16586 / 24440	—	—	32365 / 46898	—	—	25453 / 39341	—	—	25407 / 38824	—	—	27635 / 42261	—	—	39679 / 54854	—	—	47514 / 62943	—	—
PD_YRM2	16586 / 24440	—	—	32364 / 46898	—	—	25453 / 39341	—	—	25408 / 38824	—	—	27635 / 42261	—	—	39678 / 54854	—	—	47513 / 62943	—	—
PK_YRM2	16588 / 24440	—	—	32366 / 46898	—	—	25455 / 39341	—	—	25410 / 38824	—	—	27636 / 42261	—	—	39679 / 54854	—	—	47514 / 62943	—	—
PT_YRM2	16588 / 24440	—	—	32362 / 46898	—	—	25451 / 39341	—	—	25406 / 38824	—	—	27632 / 42261	—	—	39675 / 54854	—	—	47510 / 62943	—	—
RC_YRM2	16586 / 24440	—	—	32370 / 46898	—	—	25458 / 39341	—	—	25412 / 38824	—	—	27640 / 42261	—	—	39683 / 54854	—	—	47518 / 62943	—	—
SS_YRM2	16588 / 24440	—	—	32368 / 46898	—	—	25457 / 39341	—	—	25412 / 38824	—	—	27639 / 42261	—	—	39682 / 54854	—	—	47517 / 62943	—	—
WT_YRM2	16584 / 24440	—	—	32368 / 46898	—	—	25457 / 39341	—	—	25412 / 38824	—	—	27639 / 42261	—	—	39682 / 54854	—	—	47517 / 62943	—	—
CM_YRM2_TL	2503 / 2544	17	—	2425 / 2470	18	—	1397 / 1441	26	—	2665 / 2707	16	—	384 / 425	41	—	1666 / 1709	23	—	1912 / 1953	21	—
CR_YRM2_TL	2503 / 2544	24	—	2425 / 2470	24	—	1397 / 1441	32	—	2665 / 2707	22	—	384 / 425	48	—	1666 / 1709	30	—	1912 / 1953	28	—
DD_YRM2_TL	2503 / 2544	13	—	2425 / 2470	13	—	1397 / 1441	22	—	2665 / 2707	12	—	384 / 425	37	—	1666 / 1709	19	—	1912 / 1953	17	—
DZ_YRM2_TL	2503 / 2544	23	—	2425 / 2470	24	—	1397 / 1441	31	—	2665 / 2707	22	—	384 / 425	45	—	1666 / 1709	29	—	1912 / 1953	27	—
EX_YRM2_TL	2503 / 2544	26	—	2425 / 2470	26	—	1397 / 1441	32	—	2665 / 2707	26	—	384 / 425	43	—	1666 / 1709	30	—	1912 / 1953	29	—
FB_YRM2_TL	2503 / 2544	23	—	2425 / 2470	24	—	1397 / 1441	32	—	2665 / 2707	22	—	384 / 425	47	—	1666 / 1709	29	—	1912 / 1953	27	—
GT_YRM2_TL	2503 / 2544	24	—	2425 / 2470	25	—	1397 / 1441	32	—	2665 / 2707	23	—	384 / 425	48	—	1666 / 1709	30	—	1912 / 1953	28	—
LT_YRM2_TL	2503 / 2544	10	—	2425 / 2470	10	—	1397 / 1441	18	—	2665 / 2707	8	—	384 / 425	33	—	1666 / 1709	16	—	1912 / 1953	14	—
PT_YRM2_TL	2503 / 2544	6	—	2425 / 2470	7	—	1397 / 1441	13	—	2665 / 2707	6	—	384 / 425	26	—	1666 / 1709	11	—	1912 / 1953	9	—
RT_YRM2_TL	2503 / 2544	17	—	2425 / 2470	17	—	1397 / 1441	25	—	2665 / 2707	16	—	384 / 425	40	—	1666 / 1709	23	—	1912 / 1953	21	—
TE_YRM2_TL	2503 / 2544	18	—	2425 / 2470	19	—	1397 / 1441	24	—	2665 / 2707	18	—	384 / 425	35	—	1666 / 1709	22	—	1912 / 1953	21	—
BL_YRM2	24649 / 25318	—	—	47446 / 48249	—	—	39841 / 40632	—	—	39288 / 40068	—	—	60267 / 61027	—	—	62167 / 62946	—	—	42823 /		

Table A2-A: Point of Reception Predicted Individual Source Sound Levels (Year -2)

Source ID	POR15			POR16			POR17			POR18			POR19			POR20			POR21		
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)
LP_YRM2_6	54536	—	—	55043	—	—	10436	—	—	14845	—	—	18228	—	—	23537	—	—	73577	—	—
LP_YRM2_5	56048	—	—	56577	—	—	11819	—	—	16093	—	—	19654	—	—	25229	—	—	74922	—	—
LP_YRM2_4	55293	—	—	55811	—	—	11120	—	—	15462	—	—	18938	—	—	24383	—	—	74251	—	—
PD_140_YRM2_2	52987	—	—	53543	—	—	8692	17	17	12910	—	—	16536	—	—	22722	—	—	71750	—	—
PD_140_YRM2_1	52790	—	—	53344	—	—	8499	18	18	12732	—	—	16343	—	—	22519	—	—	71567	—	—
PTR_YRM2	53068	—	—	53623	—	—	8773	0	0	12992	—	—	16618	—	—	22788	—	—	71832	—	—
PMP_L80N_YRM2_2	52662	—	—	53176	—	—	8557	0	0	12999	—	—	16342	—	—	21869	—	—	71697	—	—
PMP_L80N_YRM2_1	52204	—	—	52757	—	—	7920	0	0	12184	—	—	15763	—	—	21958	—	—	71005	—	—
PMP_L100N_YRM2_2	52158	—	—	52706	—	—	7888	0	0	12181	—	—	15728	—	—	21852	—	—	70990	—	—
PMP_L100N_YRM2_1	52345	—	—	52860	—	—	8234	0	0	12679	—	—	16020	—	—	21601	—	—	71374	—	—
LP_YRM2_3	52623	—	—	53176	—	—	8337	—	0	12586	—	—	16181	—	—	22344	—	—	71415	—	—
LP_YRM2_2	52883	—	—	53438	—	—	8591	—	0	12820	—	—	16435	—	—	22609	—	—	71656	—	—
LP_YRM2_1	53094	—	—	53650	—	—	8797	—	0	13009	—	—	16642	—	—	22827	—	—	71851	—	—
TCF	52767	—	—	53352	—	—	8455	0	0	12479	—	—	16275	—	—	22933	—	—	71341	—	—
GD_RM	51858 / 54431	—	—	52398 / 54975	—	—	7624 / 10163	0	0	11976 / 14415	—	—	15454 / 18005	—	—	21460 / 23950	—	—	70751 / 73249	—	—
ITC_1	51907 / 52666	—	—	52480 / 53248	—	—	7591 / 8351	0	0	11729 / 12400	—	—	15429 / 16176	—	—	21974 / 22797	—	—	70583 / 71262	—	—
ITC_2	51861 / 54431	—	—	52401 / 54975	—	—	7626 / 10164	0	0	11977 / 14416	—	—	15456 / 18005	—	—	21460 / 23950	—	—	70752 / 73249	—	—
LFT	51858 / 54431	—	—	52398 / 54975	—	—	7624 / 10163	0	0	11976 / 14415	—	—	15454 / 18005	—	—	21460 / 23950	—	—	70751 / 73249	—	—
MB_1	51908 / 52666	—	—	52481 / 53248	—	—	7592 / 8351	0	0	11730 / 12400	—	—	15430 / 16176	—	—	21975 / 22797	—	—	70584 / 71262	—	—
MB_2	51858 / 54431	—	—	52397 / 54975	—	—	7624 / 10163	0	0	11976 / 14415	—	—	15454 / 18004	—	—	21459 / 23949	—	—	70751 / 73248	—	—
MCN	51858 / 54431	—	—	52398 / 54976	—	—	7624 / 10163	0	0	11976 / 14415	—	—	15454 / 18005	—	—	21460 / 23950	—	—	70751 / 73249	—	—
MT_1	51910 / 52666	—	—	52482 / 53248	—	—	7593 / 8351	0	0	11732 / 12400	—	—	15431 / 16176	—	—	21975 / 22797	—	—	70586 / 71262	—	—
MT_2	51858 / 54431	—	—	52398 / 54976	—	—	7624 / 10163	0	0	11976 / 14415	—	—	15454 / 18005	—	—	21460 / 23950	—	—	70751 / 73249	—	—
PT_1	51907 / 52666	—	—	52480 / 53248	—	—	7591 / 8351	0	0	11729 / 12400	—	—	15429 / 16176	—	—	21974 / 22797	—	—	70583 / 71262	—	—
PT_2	51858 / 54431	—	—	52397 / 54976	—	—	7624 / 10163	0	0	11976 / 14415	—	—	15454 / 18004	—	—	21459 / 23949	—	—	70751 / 73248	—	—
TTR	51858 / 54432	—	—	52398 / 54976	—	—	7624 / 10163	0	0	11976 / 14415	—	—	15454 / 18005	—	—	21460 / 23950	—	—	70751 / 73249	—	—
WT_1	51908 / 52666	—	—	52481 / 53248	—	—	7592 / 8351	0	0	11730 / 12400	—	—	15430 / 16176	—	—	21975 / 22797	—	—	70584 / 71262	—	—
WT_2	51858 / 54432	—	—	52398 / 54977	—	—	7624 / 10163	0	0	11976 / 14415	—	—	15454 / 18005	—	—	21460 / 23950	—	—	70751 / 73249	—	—
HT_91_YRM2_1	51849 / 52977	—	—	52388 / 53536	—	—	7614 / 8675	1	1	11967 / 12875	—	—	15444 / 16520	—	—	21451 / 22754	—	—	70741 / 71720	—	—
CM_YRM2	36647 / 51869	—	—	37340 / 52442	—	—	635 / 8173	36	0	1570 / 11695	33	0	1994 / 15391	25	0	12952 / 21934	—	—	55010 / 70548	—	—
CR_YRM2	36644 / 51869	—	—	37338 / 52442	—	—	634 / 8175	36	0	1571 / 11695	31	0	1993 / 15391	23	0	12949 / 21934	—	—	55007 / 70548	—	—
DR_YRM2	36647 / 51869	—	—	37340 / 52442	—	—	634 / 8173	44	0	1570 / 11695	39	0	1994 / 15391	31	0	12951 / 21934	—	—	55010 / 70548	—	—
DT_YRM2	36645 / 51869	—	—	37339 / 52442	—	—	635 / 8175	39	0	1570 / 11695	36	0	1996 / 15391	27	0	12949 / 21934	—	—	55008 / 70548	—	—
DZ_YRM2	36647 / 51869	—	—	37340 / 52442	—	—	636 / 8173	38	0	1570 / 11695	35	0	1994 / 15391	27	0	12948 / 21934	—	—	55010 / 70548	—	—
ET_YRM2	36647 / 51869	—	—	37340 / 52442	—	—	635 / 8175	33	0	1569 / 11695	30	0	1998 / 15391	21	0	12949 / 21934	—	—	55009 / 70548	—	—
EX_YRM2	36638 / 51869	—	—	37332 / 52442	—	—	635 / 8181	30	0	1571 / 11695	28	0	1995 / 15391	21	0	12949 / 21934	—	—	55001 / 70548	—	—
FB_YRM2	36640 / 51869	—	—	37334 / 52442	—	—	635 / 8183	37	0	1570 / 11695	34	0	2001 / 15391	25	0	12951 / 21934	—	—	55001 / 70548	—	—
GR_YRM2	36635 / 51869	—	—	37329 / 52442	—	—	635 / 8185	30	0	1570 / 11695	27	0	1996 / 15391	19	0	12950 / 21934	—	—	54998 / 70548	—	—
GT_YRM2	36638 / 51869	—	—	37332 / 52442	—	—	634 / 8181	39	0	1570 / 11695	36	0	1995 / 15391	27	0	12949 / 21934	—	—	55001 / 70548	—	—
LD_YRM2	36644 / 51869	—	—	37338 / 52442	—	—	634 / 8175	33	0	1571 / 11695	29	0	1993 / 15391	21	0	12952 / 21934	—	—	55007 / 70548	—	—
PD_YRM2	36643 / 51869	—	—	37336 / 52442	—	—	635 / 8178	36	0	1571 / 11695	33	0	1997 / 15391	24	0	12950 / 21934	—	—	55005 / 70548	—	—
PK_YRM2	36644 / 51869	—	—	37338 / 52442	—	—	635 / 8178	33	0	1571 / 11695	30	0	1999 / 15391	22	0	12952 / 21934	—	—	55006 / 70548	—	—
PT_YRM2	36640 / 51869	—	—	37334 / 52442	—	—	635 / 8181	21	0	1571 / 11695	18	—	1998 / 15391	11	—	12950 / 21934	—	—	55002 / 70548	—	—
RC_YRM2	36648 / 51869	—	—	37342 / 52442	—	—	634 / 8173	43	0	1570 / 11695	40	0	1997 / 15391	32	0	12952 / 21934	—	—	55010 / 70548	—	—
SS_YRM2	36647 / 51869	—	—	37340 / 52442	—	—	634 / 8175	28	0	1571 / 11695	24	0	1998 / 15391	17	0	12950 / 21934	—	—	55009 / 70548	—	—
WT_YRM2	36647 / 51869	—	—	37340 / 52442	—	—	634 / 8175	33	0	1571 / 11695	30	0	1998 / 15391	21	0	12950 / 21934	—	—	55009 / 70548	—	—
CM_YRM2_TL	757 / 818	33	—	782 / 824	35	—	634 / 7570	31	—	1584 / 11712	26	—	1437 / 11176	21	—	38 / 81	60	—	158 / 197	49	—
CR_YRM2_TL	757 / 818	40	—	782 / 824	41	—	634 / 7570	40	—	1584 / 11712	35	—	1437 / 11176	30	—	38 / 81	68	—	158 / 197	57	—
DD_YRM2_TL	757 / 818	29	—	782 / 824	30	—	634 / 7570	27	—	1584 / 11712	21	—	1437 / 11176	16	—	38 / 81	57	—	158 / 197	46	—
DZ_YRM2_TL	757 / 818	38	—	782 / 824	40	—	634 / 7570	36	—	1584 / 11712	32	—	1437 / 11176	27	—	38 / 81	65	—	158 / 197	54	—
EX_YRM2_TL	757 / 818	37	—	782 / 824	38	—	634 / 7570	35	—	1584 / 11712	32	—	1437 / 11176	27	—	38 / 81	61	—	158 / 197	50	—
FB_YRM2_TL	757 / 818	39	—	782 / 824	41	—	634 / 7570	36	—	1584 / 11712	32	—	1437 / 11176	26	—	38 / 81	67	—	158 / 197	56	—
GT_YRM2_TL	757 / 818	40	—	782 / 824	42	—	634 / 7570	38	—	1584 / 11712	34	—	1437 / 11176	28	—	38 / 81	68	—	158 / 197	57	—
LT_YRM2_TL	757 / 818	25	—	782 / 824	27	—	634 / 7570	23	—	1584 / 11712	18	—	1437 / 11176	13	—	38 / 81	53	—	158 / 197	42	—
PT_YRM2_TL	757 / 818	19	—	782 / 824	20	—	634 / 7570	17	—	1584 / 11712	13	—	1437 / 11176	8	—	38 / 81	45	—	158 / 197	34	—
RT_YRM2_TL	757 / 818	33	—	782 / 824	34	—	634 / 7570	30	—	1584 / 11712	26	—	1437 / 11176	21	—	38 / 81	60	—	158 / 197	49	—
TE_YRM2_TL	757 / 818	29	—	782 / 824	30	—	634 / 7570	27	—	1584 / 11712	24	—	1437 / 11176	19	—	38 / 81	54	—	158 / 197	43	—
BL_YRM2	49068 / 49862	—	—	51884 / 52677	—	—	50239 / 51022	—	—	50522 / 51310	—	—	61551 / 62322	—	—	22245 / 22967	—	—	71285 / 72106	—	—
BT_YRM2	49068 / 49862	—	—	51884 / 52677	—	—	50239 / 51022	—	—	50522 / 51310</											

Table A2-B: Point of Reception Predicted Individual Source Sound Levels (Year -1)

Source ID	POR01			POR02			POR03			POR04			POR05			POR06			POR07			POR17		
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)
LP_YRM1_6	7678	—	0	2077	—	0	3142	—	0	3891	—	0	3252	—	0	6018	—	0	12121	—	—	10436	—	—
LP_YRM1_5	6360	—	0	3573	—	0	4835	—	0	3101	—	0	1834	—	0	6524	—	0	13631	—	—	11819	—	—
LP_YRM1_4	7002	—	0	2792	—	0	3986	—	0	3408	—	0	2502	—	0	6224	—	0	12873	—	—	11120	—	—
PD_251_YRM1	6926	22	22	3226	29	29	3668	30	30	5134	26	26	2971	32	32	4552	27	27	11459	—	—	9579	—	—
PD_140_YRM1_2	6906	26	26	3483	29	29	3764	34	34	5515	29	29	3145	36	36	4171	32	32	11198	—	—	9279	—	—
PD_140_YRM1_1	6681	27	27	3284	33	33	3895	34	34	4820	31	31	2611	38	38	4805	31	31	11853	—	—	9971	—	—
PTR_YRM1_1B	6745	5	5	3278	13	13	3833	15	15	4930	11	11	2718	20	20	4709	11	11	11728	—	—	9844	—	—
PTR_YRM1_1A	6860	4	4	3470	14	14	3791	15	15	5439	8	8	3068	18	18	4233	13	13	11281	—	—	9364	—	—
PMP_L80N_YRM1	6883	0	0	3545	0	0	3806	0	0	5578	0	0	3160	0	0	4101	0	0	11170	—	—	9243	—	—
PMP_L100N_YRM1	6769	0	0	3643	0	0	3921	0	0	5586	0	0	3075	3	3	4064	0	0	11241	—	—	9299	—	—
LP_YRM1_3	6974	—	0	3202	—	0	3624	—	0	5161	—	0	3025	—	0	4538	—	0	11410	—	—	9533	—	—
LP_YRM1_2	6710	—	0	3282	—	0	3866	—	0	4873	—	0	2661	—	0	4758	—	0	11793	—	—	9910	—	—
LP_YRM1_1	6911	—	0	3453	—	0	3749	—	0	5476	—	0	3129	—	0	4210	—	0	11222	—	—	9307	—	—
TM	6815	8	8	4121	4	4	4158	15	15	6255	9	9	3499	17	17	3402	18	18	10795	—	—	8787	0	0
TCF	6808	0	0	4599	0	0	4495	0	0	6789	0	0	3832	0	0	2854	0	0	10526	—	—	8455	0	0
CR_YRM1	8677	6	6	4526	17	17	4526	20	20	7820	7	7	5593	13	13	3042	23	23	8697	5	5	6731	7	7
GD_RM	6482 / 8664	1	1	2187 / 4321	13	13	2142 / 4203	16	16	4552 / 6839	6	6	2417 / 4935	14	14	2973 / 5124	11	11	9453 / 12034	—	—	7624 / 10163	0	0
RCB	6359 / 8667	1	1	2187 / 4410	12	12	2143 / 4562	16	16	4557 / 6767	5	5	2409 / 4932	13	13	3387 / 5116	10	10	9456 / 12041	—	—	7626 / 10175	0	0
RCD	6355 / 8667	7	7	2189 / 4414	18	18	2142 / 4566	22	22	4557 / 6767	11	11	2399 / 4933	19	19	3385 / 5115	16	16	9456 / 12054	—	—	7626 / 10173	0	0
RCL	6362 / 8664	0	0	2188 / 4408	11	11	2144 / 4559	15	15	4557 / 6768	5	5	2399 / 4932	13	13	3388 / 5115	9	9	9456 / 12051	—	—	7626 / 10171	0	0
SWT	6483 / 8665	7	7	2186 / 4321	18	18	2141 / 4202	21	21	4553 / 6839	12	12	2418 / 4935	19	19	2974 / 5124	16	16	9453 / 12033	—	—	7624 / 10163	0	0
ITC_1	6950 / 7755	0	0	4331 / 4517	0	0	3979 / 4375	0	0	6780 / 7235	0	0	3929 / 4692	0	0	2826 / 2964	3	3	9611 / 10409	—	—	7591 / 8351	0	0
ITC_2	6482 / 8664	1	1	2186 / 4321	10	10	2142 / 4203	11	11	4553 / 6838	4	4	2417 / 4932	10	10	2974 / 5123	8	8	9456 / 12034	—	—	7626 / 10164	0	0
LFT	6482 / 8664	3	3	2187 / 4321	13	13	2142 / 4203	17	17	4553 / 6839	7	7	2417 / 4935	15	15	2973 / 5124	12	12	9453 / 12034	—	—	7624 / 10163	0	0
MB_1	6950 / 7754	0	0	4331 / 4517	0	0	3979 / 4375	0	0	6780 / 7234	0	0	3929 / 4691	0	0	2826 / 2965	4	4	9612 / 10409	—	—	7592 / 8351	0	0
MB_2	6483 / 8665	1	1	2186 / 4321	10	10	2142 / 4202	13	13	4552 / 6839	4	4	2418 / 4935	11	11	2974 / 5124	9	9	9453 / 12033	—	—	7624 / 10163	0	0
MCN	6482 / 8664	3	3	2187 / 4321	15	15	2142 / 4203	19	19	4552 / 6839	7	7	2417 / 4935	16	16	2973 / 5124	13	13	9453 / 12034	—	—	7624 / 10163	0	0
MT_1	6950 / 7754	0	0	4331 / 4517	0	0	3977 / 4375	0	0	6780 / 7232	0	0	3929 / 4690	0	0	2826 / 2964	0	0	9613 / 10409	—	—	7593 / 8351	0	0
MT_2	6482 / 8664	0	0	2187 / 4321	0	0	2142 / 4203	0	0	4553 / 6839	0	0	2417 / 4935	0	0	2973 / 5125	0	0	9453 / 12034	—	—	7624 / 10163	0	0
PT_1	6950 / 7755	0	0	4331 / 4517	0	0	3979 / 4375	0	0	6780 / 7235	0	0	3929 / 4693	0	0	2826 / 2965	0	0	9611 / 10409	—	—	7591 / 8351	0	0
PT_2	6483 / 8665	0	0	2186 / 4321	5	5	2142 / 4202	7	7	4553 / 6839	0	0	2418 / 4935	6	6	2974 / 5124	3	3	9453 / 12033	—	—	7624 / 10163	0	0
TTR	6482 / 8664	3	3	2187 / 4321	13	13	2142 / 4203	17	17	4553 / 6839	7	7	2417 / 4935	15	15	2973 / 5124	12	12	9453 / 12034	—	—	7624 / 10163	0	0
WT_1	6950 / 7754	0	0	4331 / 4517	0	0	3979 / 4375	0	0	6780 / 7234	0	0	3929 / 4691	0	0	2826 / 2965	0	0	9612 / 10409	—	—	7592 / 8351	0	0
WT_2	6482 / 8664	0	0	2187 / 4321	0	0	2142 / 4203	0	0	4552 / 6839	0	0	2417 / 4935	0	0	2973 / 5124	0	0	9453 / 12034	—	—	7624 / 10163	0	0
HT_240_YRM1_1	6475 / 8010	16	16	1759 / 3501	28	28	2988 / 4200	28	28	2840 / 3531	27	27	2404 / 3531	29	29	4350 / 6789	19	19	11246 / 13329	—	—	9354 / 11619	—	—
HT_240_YRM1_2	5830 / 6926	10	10	3344 / 4768	13	13	3700 / 4966	17	17	5100 / 6765	11	11	2608 / 3642	20	20	2833 / 4524	19	19	10764 / 11741	—	—	8670 / 9812	0	0
HT_240_YRM1_2	6478 / 6926	6	6	3344 / 4381	12	12	3700 / 4460	15	15	5100 / 6329	9	9	2608 / 3358	17	17	3277 / 4524	13	13	10964 / 11741	—	—	8919 / 9812	0	0
HT_240_YRM1_2	6478 / 7614	8	8	3344 / 4127	14	14	3538 / 4214	18	18	5100 / 6598	11	11	2608 / 4236	18	18	3236 / 4524	17	17	10060 / 11741	—	—	8109 / 9812	0	0
HT_240_YRM1_2	6478 / 8043	11	11	3344 / 4342	17	17	3700 / 4214	21	21	5100 / 7263	14	14	2608 / 4878	21	21	2920 / 4524	23	23	9412 / 11741	—	—	7434 / 9812	3	3
HT_240_YRM1_1B	6079 / 7122	13	13	2684 / 3818	16	16	3506 / 5065	18	18	3071 / 5466	18	18	1551 / 3286	30	30	4285 / 6606	14	14	11102 / 13829	—	—	9214 / 12001	—	—
HT_91_YRM1_1	7212 / 8672	4	4	2490 / 3795	16	16	2132 / 3690	20	20	5959 / 6778	8	8	3687 / 4944	13	13	3456 / 4796	15	15	9443 / 10618	—	—	7614 / 8675	1	1
BL_YRM1_1A	6813 / 6984	14	14	3406 / 3561	19	19	3691 / 3827	23	23	5387 / 5632	18	18	3005 / 3251	25	25	4062 / 4283	21	21	11082 / 11346	—	—	9158 / 9429	—	—
BL_YRM1_1B	6566 / 7083	15	15	3065 / 3386	22	22	3527 / 4010	24	24	4678 / 5327	19	19	2490 / 3155	27	27	4390 / 4944	20	20	11261 / 11970	—	—	9374 / 10092	—	—
BT_YRM1_1A	6813 / 6984	0	0	3406 / 3561	0	0	3691 / 3827	0	0	5387 / 5632	0	0	3005 / 3251	0	0	4062 / 4283	0	0	11082 / 11346	—	—	9158 / 9429	—	—
BT_YRM1_1B	6566 / 7083	0	0	3065 / 3386	0	0	3527 / 4010	0	0	4678 / 5327	0	0	2490 / 3155	1	1	4390 / 4944	0	0	11261 / 11970	—	—	9374 / 10092	—	—
GD_PIT_YRM1_1A	6813 / 6984	1	1	3406 / 3561	6	6	3691 / 3827	11	11	5387 / 5632	5	5	3005 / 3251	13	13	4062 / 4283	9	9	11082 / 11346	—	—	9158 / 9429	—	—
GD_PIT_YRM1_1B	6566 / 7083	2	2	3065 / 3386	10	10	3527 / 4010	12	12	4678 / 5327	7	7	2490 / 3155	15	15	4390 / 4944	8	8	11261 / 11970	—	—	9374 / 10092	—	—
HSE_YRM1_1A	6813 / 6984	9	9	3406 / 3561	13	13	3691 / 3827	18	18	5387 / 5632	12	12	3005 / 3251	21	21	4062 / 4283	16	16	11082 / 11346	—	—	9158 / 9429	—	—
HSE_YRM1_1B	6566 / 7083	9	9	3065 / 3386	17	17	3527 / 4010	19	19	4678 / 5327	14	14	2490 / 3155	22	22	4390 / 4944	15	15	11261 / 11970	—	—	9374 / 10092	—	—
PB_YRM1_1A	6813 / 6984	5	5	3406 / 3561	9	9	3691 / 3827	14	14	5387 / 5632	8	8	3005 / 3251	16	16	4062 / 4283	12	12	11082 / 11346	—	—	9158 / 9429	—	—
PL_YRM1_1A	6813 / 6984	14	14	3406 / 3561	19	19	3691 / 3827	23	23	5387 / 5632	18	18	3005 / 3251	25	25	4062 / 4283	21	21	11082 / 11346	—	—	9158 / 9429	—	—
PL_YRM1_1B	6566 / 7083	15	15	3065 / 3386	22	22	3527 / 4010	24	24	4678 / 5327	19	19	2490 / 3155	27	27	4390 / 4944	20	20	11261 / 11970	—	—	9374 / 10092	—	—
PSB_YRM1_1B	6566 / 7083	6	6	3065 / 3386	13	13	3527 /																	

Table A2-C: Point of Reception Predicted Individual Source Sound Levels (Year 4)

Source ID	POR01			POR02			POR03			POR04			POR05			POR06			POR07		
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)
TM	6815	8	8	4121	4	4	4158	15	15	6255	4	4	3499	17	17	3402	18	18	10795	—	—
CL_13	6541	5	5	4398	8	8	4469	12	12	6353	6	6	3377	16	16	3253	16	16	10947	—	—
LP_YR4_6	7678	—	0	2077	—	0	3142	—	0	3891	—	0	3252	—	0	6018	—	0	12121	—	—
LP_YR4_5	6360	—	0	3573	—	0	4835	—	0	3101	—	0	1834	—	0	6524	—	0	13631	—	—
LP_YR4_4	7002	—	0	2792	—	0	3986	—	0	3408	—	0	2502	—	0	6224	—	0	12873	—	—
PD_251_YR4_3	7840	21	21	2833	26	26	2863	31	31	5653	25	25	3954	29	29	4465	27	27	10571	—	—
PD_251_YR4_2	7819	21	21	2648	22	22	2811	31	31	5406	25	25	3836	29	29	4689	27	27	10773	—	—
PD_251_YR4_1	7125	12	12	3027	11	11	3463	16	16	5087	12	12	3120	16	16	4660	13	13	11376	—	—
PD_140_YR4_2	7832	24	24	2736	27	27	2831	38	38	5528	29	29	3895	34	34	4580	31	31	10672	—	—
PD_140_YR4_1	7031	13	13	3056	14	14	3550	22	22	4990	10	10	2996	17	17	4723	14	14	11505	—	—
PTR_YR4	7005	0	0	3069	0	0	3574	0	0	4972	0	0	2966	2	2	4732	0	0	11534	—	—
PMP_L80N_YR4_6	7511	0	0	3091	0	0	3197	0	0	5645	0	0	3689	0	0	4284	0	0	10744	—	—
PMP_L80N_YR4_5	7323	0	0	3151	0	0	3350	0	0	5526	0	0	3484	0	0	4311	0	0	10936	—	—
PMP_L80N_YR4_4	7172	0	0	3161	0	0	3460	0	0	5363	0	0	3285	0	0	4408	0	0	11142	—	—
PMP_L80N_YR4_3	7014	0	0	3209	0	0	3594	0	0	5230	0	0	3091	0	0	4483	0	0	11334	—	—
PMP_L80N_YR4_2	6882	0	0	3250	0	0	3709	0	0	5108	0	0	2922	0	0	4565	0	0	11505	—	—
PMP_L80N_YR4_1	6755	0	0	3296	0	0	3825	0	0	4986	0	0	2753	0	0	4656	0	0	11679	—	—
PMP_L100N_YR4_2	7060	0	0	3666	0	0	3758	0	0	5923	0	0	3482	0	0	3812	0	0	10825	—	—
PMP_L100N_YR4_1	6961	0	0	3626	0	0	3795	0	0	5774	0	0	3327	1	1	3928	0	0	10987	—	—
LP_YR4_3	7193	—	0	2999	—	0	3400	—	0	5139	—	0	3201	—	0	4634	—	0	11297	—	—
LP_YR4_2	7102	—	0	3033	—	0	3484	—	0	5063	—	0	3089	—	0	4675	—	0	11408	—	—
LP_YR4_1	7813	—	0	2591	—	0	2800	—	0	5324	—	0	3798	—	0	4763	—	0	10841	—	—
TCF	6808	0	0	4599	0	0	4495	0	0	6789	0	0	3832	0	0	2854	0	0	10526	—	—
PP_S001	6747	3	3	4438	2	2	4404	10	10	6567	0	0	3650	8	8	3069	10	10	10680	—	—
PP_S002	6747	10	10	4438	8	8	4404	15	15	6567	6	6	3650	12	12	3069	18	18	10680	—	—
PP_S003	6747	0	0	4438	0	0	4404	4	4	6567	0	0	3650	7	7	3069	10	10	10680	—	—
PP_S004	6747	22	22	4438	21	21	4404	29	29	6567	17	17	3650	28	28	3069	35	35	10680	—	—
PP_S005	6747	22	22	4438	21	21	4404	30	30	6567	18	18	3650	28	28	3069	30	30	10680	—	—
PP_S006	6747	0	0	4438	5	5	4404	9	9	6567	0	0	3650	12	12	3069	15	15	10680	—	—
PP_S007	6747	0	0	4438	6	6	4404	9	9	6567	0	0	3650	12	12	3069	15	15	10680	—	—
PP_S008	6747	0	0	4438	0	0	4404	3	3	6567	0	0	3650	6	6	3069	9	9	10680	—	—
PP_S009	6747	0	0	4438	6	6	4404	9	9	6567	0	0	3650	12	12	3069	15	15	10680	—	—
PP_S010	6747	0	0	4438	6	6	4404	9	9	6567	0	0	3650	12	12	3069	15	15	10680	—	—
PP_S011	6747	15	15	4438	13	13	4404	17	17	6567	11	11	3650	20	20	3069	22	22	10680	—	—
PP_S012	6747	0	0	4438	6	6	4404	9	9	6567	0	0	3650	12	12	3069	15	15	10680	—	—
PP_S013	6747	0	0	4438	0	0	4404	4	4	6567	0	0	3650	7	7	3069	10	10	10680	—	—
PP_S014	6747	3	3	4438	2	2	4404	6	6	6567	0	0	3650	8	8	3069	10	10	10680	—	—
PP_S015	6747	10	10	4438	8	8	4404	15	15	6567	6	6	3650	12	12	3069	14	14	10680	—	—
PP_S016	6747	0	0	4438	0	0	4404	0	0	6567	0	0	3650	1	1	3069	4	4	10680	—	—
PP_S017	6747	0	0	4438	6	6	4404	9	9	6567	0	0	3650	12	12	3069	15	15	10680	—	—
PP_S018	6747	0	0	4438	6	6	4404	9	9	6567	0	0	3650	12	12	3069	15	15	10680	—	—
PP_S019	6747	0	0	4438	0	0	4404	4	4	6567	0	0	3650	7	7	3069	10	10	10680	—	—
PP_S020	6747	0	0	4438	1	1	4404	5	5	6567	0	0	3650	8	8	3069	10	10	10680	—	—
PP_S021	6747	0	0	4438	1	1	4404	5	5	6567	0	0	3650	8	8	3069	10	10	10680	—	—
PP_S022	6747	10	10	4438	8	8	4404	15	15	6567	6	6	3650	12	12	3069	14	14	10680	—	—
PP_S023	6747	10	10	4438	8	8	4404	15	15	6567	6	6	3650	12	12	3069	14	14	10680	—	—
PP_S024	6747	0	0	4438	6	6	4404	9	9	6567	0	0	3650	12	12	3069	15	15	10680	—	—
PP_S025	6747	0	0	4438	0	0	4404	0	0	6567	0	0	3650	0	0	3069	0	0	10680	—	—
PP_S026	6747	10	10	4438	8	8	4404	15	15	6567	6	6	3650	12	12	3069	14	14	10680	—	—
PP_S027	6747	0	0	4438	6	6	4404	9	9	6567	0	0	3650	12	12	3069	15	15	10680	—	—
PP_S028	6747	0	0	4438	6	6	4404	9	9	6567	0	0	3650	12	12	3069	15	15	10680	—	—
PP_S029	6747	0	0	4438	6	6	4404	9	9	6567	0	0	3650	12	12	3069	15	15	10680	—	—
PP_S030	6747	12	12	4438	11	11	4404	15	15	6567	8	8	3650	18	18	3069	20	20	10680	—	—
PP_S031	6747	5	5	4438	6	6	4404	9	9	6567	1	1	3650	12	12	3069	15	15	10680	—	—
PP_S032	6747	10	10	4438	8	8	4404	15	15	6567	6	6	3650	12	12	3069	14	14	10680	—	—
PP_S033	6747	0	0	4438	0	0	4404	0	0	6567	0	0	3650	0	0	3069	0	0	10680	—	—
PP_S034	6747	2	2	4438	1	1	4404	10	10	6567	0	0	3650	8	8	3069	10	10	10680	—	—
PP_S035	6747	0	0	4438	0	0	4404	0	0	6567	0	0	3650	1	1	3069	4	4	10680	—	—
PP_S036	6747	0	0	4438	0	0	4404	0	0	6567	0	0	3650	1	1	3069	4	4	10680	—	—
PP_S037	6747	3	3	4438	2	2	4404	10	10	6567	0	0	3650	8	8	3069	10	10	10680	—	—
PP_S038	6747	0	0	4438	0	0	4404	4	4	6567	0	0	3650	7	7	3069	10	10	10680	—	—
PP_S039	6747	0	0	4438	0	0	4404	0	0	6567	0	0	3650	1	1	3069	4	4	10680	—	—
PP_S040	6747	5	5	4438	9	9	4404	12	12	6567	5	5	3650	14	14	3069	16	16	10680	—	—
PP_S041	6747	0	0	4438	0	0	4404	0	0	6567	0	0	3650	1	1	3069	4	4	10680	—	—
PP_S042	6747	0	0	4438	0	0	4404	0	0	6567	0	0	3650	1	1	3069	4	4	10680	—	—
PP_S043	6747	0	0	4438	0	0	4404	0	0	6567	0	0	3650	0	0	3069	0	0	10680	—	—
PP_S044	6747	10	10	4438	8	8	4404	15	15	6567	6	6	3650	12	12	3069	14	14	10680	—	—

Table A2-C: Point of Reception Predicted Individual Source Sound Levels (Year 4)

Source ID	POR01			POR02			POR03			POR04			POR05			POR06			POR07		
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)
PP_S045	6747	0	0	4438	0	0	4404	0	0	6567	0	0	3650	1	1	3069	4	4	10680	—	—
PP_S046	6747	0	0	4438	0	0	4404	0	0	6567	0	0	3650	1	1	3069	4	4	10680	—	—
PP_S047	6747	10	10	4438	8	8	4404	15	15	6567	6	6	3650	12	12	3069	14	14	10680	—	—
PP_S048	6747	0	0	4438	0	0	4404	0	0	6567	0	0	3650	0	0	3069	0	0	10680	—	—
PP_S049	6747	0	0	4438	0	0	4404	4	4	6567	0	0	3650	7	7	3069	10	10	10680	—	—
PP_S050	6747	0	0	4438	0	0	4404	4	4	6567	0	0	3650	7	7	3069	10	10	10680	—	—
PP_S051	6747	0	0	4438	0	0	4404	4	4	6567	0	0	3650	7	7	3069	10	10	10680	—	—
PP_S052	6747	10	10	4438	8	8	4404	15	15	6567	6	6	3650	12	12	3069	14	14	10680	—	—
PP_S053	6747	3	3	4438	2	2	4404	5	5	6567	0	0	3650	8	8	3069	10	10	10680	—	—
PP_S054	6747	0	0	4438	0	0	4404	3	3	6567	0	0	3650	6	6	3069	9	9	10680	—	—
PP_S055	6747	0	0	4438	0	0	4404	4	4	6567	0	0	3650	7	7	3069	10	10	10680	—	—
PP_S056	6747	10	10	4438	8	8	4404	15	15	6567	6	6	3650	12	12	3069	14	14	10680	—	—
PP_S057	6747	0	0	4438	0	0	4404	0	0	6567	0	0	3650	1	1	3069	4	4	10680	—	—
PP_S058	6747	0	0	4438	0	0	4404	4	4	6567	0	0	3650	7	7	3069	10	10	10680	—	—
PP_S059	6747	11	11	4438	14	14	4404	16	16	6567	11	11	3650	18	18	3069	20	20	10680	—	—
PP_S060	6747	14	14	4438	12	12	4404	19	19	6567	9	9	3650	16	16	3069	18	18	10680	—	—
PP_S061	6747	1	1	4438	5	5	4404	7	7	6567	2	2	3650	8	8	3069	10	10	10680	—	—
PP_S062	6747	2	2	4438	5	5	4404	7	7	6567	2	2	3650	9	9	3069	10	10	10680	—	—
PP_S063	6747	9	9	4438	7	7	4404	14	14	6567	4	4	3650	11	11	3069	17	17	10680	—	—
PP_S064	6747	11	11	4438	14	14	4404	16	16	6567	11	11	3650	18	18	3069	20	20	10680	—	—
PP_S065	6747	11	11	4438	14	14	4404	16	16	6567	11	11	3650	18	18	3069	20	20	10680	—	—
PP_S066	6747	11	11	4438	14	14	4404	16	16	6567	11	11	3650	18	18	3069	20	20	10680	—	—
PP_S067	6747	14	14	4438	12	12	4404	19	19	6567	9	9	3650	16	16	3069	18	18	10680	—	—
PP_S068	6747	14	14	4438	12	12	4404	19	19	6567	9	9	3650	16	16	3069	18	18	10680	—	—
PP_S069	6747	14	14	4438	12	12	4404	19	19	6567	9	9	3650	16	16	3069	18	18	10680	—	—
PP_S070	6747	1	1	4438	5	5	4404	7	7	6567	2	2	3650	8	8	3069	10	10	10680	—	—
PP_S071	6747	1	1	4438	5	5	4404	7	7	6567	2	2	3650	8	8	3069	10	10	10680	—	—
PP_S072	6747	1	1	4438	5	5	4404	7	7	6567	2	2	3650	8	8	3069	10	10	10680	—	—
PP_S073	6747	2	2	4438	5	5	4404	7	7	6567	2	2	3650	9	9	3069	10	10	10680	—	—
PP_S074	6747	2	2	4438	5	5	4404	7	7	6567	2	2	3650	9	9	3069	10	10	10680	—	—
PP_S075	6747	2	2	4438	5	5	4404	7	7	6567	2	2	3650	9	9	3069	10	10	10680	—	—
PP_S076	6747	9	9	4438	7	7	4404	14	14	6567	4	4	3650	11	11	3069	17	17	10680	—	—
PP_S077	6747	9	9	4438	7	7	4404	14	14	6567	4	4	3650	11	11	3069	17	17	10680	—	—
PP_S078	6747	9	9	4438	7	7	4404	14	14	6567	4	4	3650	11	11	3069	17	17	10680	—	—
PP_S079	6747	0	0	4438	0	0	4404	0	0	6567	0	0	3650	1	1	3069	4	4	10680	—	—
PP_S080	6747	0	0	4438	0	0	4404	0	0	6567	0	0	3650	1	1	3069	4	4	10680	—	—
PP_S081	6747	0	0	4438	0	0	4404	0	0	6567	0	0	3650	1	1	3069	4	4	10680	—	—
PP_S082	6747	0	0	4438	0	0	4404	0	0	6567	0	0	3650	1	1	3069	4	4	10680	—	—
PP_S083	6747	5	5	4438	6	6	4404	14	14	6567	1	1	3650	12	12	3069	15	15	10680	—	—
PP_S084	6747	5	5	4438	6	6	4404	14	14	6567	1	1	3650	12	12	3069	15	15	10680	—	—
PP_S085	6747	5	5	4438	6	6	4404	14	14	6567	1	1	3650	12	12	3069	15	15	10680	—	—
PP_S086	6747	0	0	4438	1	1	4404	5	5	6567	0	0	3650	8	8	3069	10	10	10680	—	—
PP_S087	6747	5	5	4438	8	8	4404	10	10	6567	5	5	3650	12	12	3069	14	14	10680	—	—
PP_S088	6747	5	5	4438	8	8	4404	10	10	6567	5	5	3650	12	12	3069	14	14	10680	—	—
PP_S089	6747	0	0	4438	1	1	4404	5	5	6567	0	0	3650	8	8	3069	10	10	10680	—	—
PP_S090	6747	10	10	4438	8	8	4404	15	15	6567	6	6	3650	12	12	3069	14	14	10680	—	—
PP_S091	6747	0	0	4438	0	0	4404	0	0	6567	0	0	3650	0	0	3069	0	0	10680	—	—
PP_S092	6747	0	0	4438	6	6	4404	9	9	6567	0	0	3650	12	12	3069	15	15	10680	—	—
PP_S093	6747	0	0	4438	6	6	4404	9	9	6567	0	0	3650	12	12	3069	15	15	10680	—	—
PP_S094	6747	0	0	4438	6	6	4404	9	9	6567	0	0	3650	12	12	3069	15	15	10680	—	—
PP_S095	6747	12	12	4438	11	11	4404	15	15	6567	8	8	3650	18	18	3069	20	20	10680	—	—
PP_S096	6747	1	1	4438	7	7	4404	10	10	6567	2	2	3650	14	14	3069	16	16	10680	—	—
PP_S097	6747	10	10	4438	8	8	4404	15	15	6567	6	6	3650	12	12	3069	14	14	10680	—	—
PP_S098	6747	0	0	4438	0	0	4404	0	0	6567	0	0	3650	0	0	3069	0	0	10680	—	—
PP_S099	6747	2	2	4438	1	1	4404	10	10	6567	0	0	3650	8	8	3069	10	10	10680	—	—
PP_S100	6747	0	0	4438	0	0	4404	3	3	6567	0	0	3650	6	6	3069	9	9	10680	—	—
PP_S101	6747	0	0	4438	0	0	4404	0	0	6567	0	0	3650	1	1	3069	4	4	10680	—	—
PP_S102	6747	3	3	4438	2	2	4404	10	10	6567	0	0	3650	8	8	3069	10	10	10680	—	—
PP_S103	6747	0	0	4438	0	0	4404	0	0	6567	0	0	3650	1	1	3069	4	4	10680	—	—
PP_S104	6747	0	0	4438	0	0	4404	3	3	6567	0	0	3650	6	6	3069	9	9	10680	—	—
PP_S105	6747	11	11	4438	14	14	4404	16	16	6567	11	11	3650	18	18	3069	20	20	10680	—	—
PP_S106	6747	14	14	4438	12	12	4404	19	19	6567	9	9	3650	16	16	3069	18	18	10680	—	—
PP_S107	6747	7	7	4438	5	5	4404	12	12	6567	3	3	3650	9	9	3069	11	11	10680	—	—
PP_S108	6747	2	2	4438	5	5	4404	7	7	6567	2	2	3650	9	9	3069	10	10	10680	—	—
PP_S109	6747	9	9	4438	7	7	4404	14	14	6567	4	4	3650	11	11	3069	17	17	10680	—	—
CR_YR4	8677	6	6	4526	17	17	3720	20	20	7820	7	7	5593	13	13	3042	23	23	8697	5	5
CL_13M	5829 / 6553	2	2	4309 / 4767	4	4	4415 / 4968	7	7	5929 / 6765	2	2	2633 / 3643	13	13	2833 / 3686	12	12	10764 / 11723	—	—

Table A2-C: Point of Reception Predicted Individual Source Sound Levels (Year 4)

Source ID	POR01			POR02			POR03			POR04			POR05			POR06			POR07		
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)
GD_RM	6482 / 8664	1	1	2187 / 4321	12	12	2142 / 4203	16	16	4552 / 6839	6	6	2417 / 4935	14	14	2973 / 5124	11	11	9453 / 12034	—	—
RCB	6359 / 8667	1	1	2187 / 4410	11	11	2143 / 4562	16	16	4557 / 6767	5	5	2409 / 4932	13	13	3387 / 5116	10	10	9456 / 12041	—	—
RCD	6355 / 8667	7	7	2189 / 4414	17	17	2142 / 4566	22	22	4557 / 6767	11	11	2399 / 4933	19	19	3385 / 5115	16	16	9456 / 12054	—	—
RCL	6362 / 8664	0	0	2188 / 4408	11	11	2144 / 4559	15	15	4557 / 6768	5	5	2399 / 4932	13	13	3388 / 5115	9	9	9456 / 12051	—	—
SWT	6483 / 8665	7	7	2186 / 4321	17	17	2141 / 4202	21	21	4553 / 6839	12	12	2418 / 4935	19	19	2974 / 5124	16	16	9453 / 12033	—	—
ITC_1	6950 / 7755	0	0	4331 / 4517	0	0	3979 / 4375	0	0	6780 / 7235	0	0	3929 / 4692	0	0	2826 / 2964	3	3	9611 / 10409	—	—
ITC_2	6482 / 8664	1	1	2186 / 4321	10	10	2142 / 4203	11	11	4553 / 6838	4	4	2417 / 4932	10	10	2974 / 5123	8	8	9456 / 12034	—	—
LFT	6482 / 8664	3	3	2187 / 4321	13	13	2142 / 4203	17	17	4553 / 6839	7	7	2417 / 4935	15	15	2973 / 5124	12	12	9453 / 12034	—	—
MB_1	6950 / 7754	0	0	4331 / 4517	0	0	3979 / 4375	0	0	6780 / 7234	0	0	3929 / 4691	0	0	2826 / 2965	4	4	9612 / 10409	—	—
MB_2	6483 / 8665	1	1	2186 / 4321	10	10	2142 / 4202	13	13	4552 / 6839	4	4	2418 / 4935	11	11	2974 / 5124	9	9	9453 / 12033	—	—
MCN	6482 / 8664	3	3	2187 / 4321	15	15	2142 / 4203	19	19	4552 / 6839	7	7	2417 / 4935	16	16	2973 / 5124	13	13	9453 / 12034	—	—
MT_1	6950 / 7754	0	0	4331 / 4517	0	0	3977 / 4375	0	0	6780 / 7232	0	0	3929 / 4690	0	0	2826 / 2964	0	0	9613 / 10409	—	—
MT_2	6482 / 8664	0	0	2187 / 4321	0	0	2142 / 4203	0	0	4553 / 6839	0	0	2417 / 4935	0	0	2973 / 5125	0	0	9453 / 12034	—	—
PT_1	6950 / 7755	0	0	4331 / 4517	0	0	3979 / 4375	0	0	6780 / 7235	0	0	3929 / 4693	0	0	2826 / 2965	0	0	9611 / 10409	—	—
PT_2	6483 / 8665	0	0	2186 / 4321	5	5	2142 / 4202	7	7	4553 / 6839	0	0	2418 / 4935	5	5	2974 / 5124	3	3	9453 / 12033	—	—
TTR	6482 / 8664	3	3	2187 / 4321	13	13	2142 / 4203	17	17	4553 / 6839	7	7	2417 / 4935	15	15	2973 / 5124	12	12	9453 / 12034	—	—
WT_1	6950 / 7754	0	0	4331 / 4517	0	0	3979 / 4375	0	0	6780 / 7234	0	0	3929 / 4691	0	0	2826 / 2965	0	0	9612 / 10409	—	—
WT_2	6482 / 8664	0	0	2187 / 4321	0	0	2142 / 4203	0	0	4552 / 6839	0	0	2417 / 4935	0	0	2973 / 5124	0	0	9453 / 12034	—	—
HT_240_YR4_1B	6475 / 8010	19	19	1759 / 3476	31	31	2987 / 4200	29	29	2840 / 5467	30	30	2404 / 3531	32	32	4284 / 6789	22	22	11101 / 13329	—	—
HT_240_YR4_1B	6079 / 7122	21	21	2684 / 3818	24	24	3506 / 5065	25	25	3071 / 5466	25	25	1551 / 3286	37	37	4285 / 6606	23	23	11102 / 13829	—	—
HT_240_YR4_2A	6795 / 7600	23	23	2839 / 3283	25	25	3082 / 3782	31	31	4846 / 5618	24	24	2745 / 3735	32	32	4280 / 4844	28	28	10732 / 11729	—	—
HT_240_YR4_2B	6479 / 7114	14	14	3283 / 4382	21	21	3545 / 4460	24	24	5100 / 6329	19	19	2608 / 3358	26	26	3277 / 4523	22	22	10964 / 11741	—	—
HT_240_YR4_2B	5829 / 7114	10	10	3283 / 4768	14	14	3545 / 4968	17	17	5100 / 6765	12	12	2608 / 3641	20	20	2834 / 4523	19	19	10766 / 11741	—	—
HT_240_YR4_2B	6479 / 7615	10	10	3283 / 4133	17	17	3538 / 4214	20	20	5100 / 6596	14	14	2608 / 4238	21	21	3228 / 4523	20	20	10057 / 11741	—	—
HT_240_YR4_2B	6479 / 8038	11	11	3283 / 4341	17	17	3545 / 4214	21	21	5100 / 7260	14	14	2608 / 4877	21	21	2921 / 4523	23	23	9413 / 11741	—	—
MT_YR4	7087 / 21784	0	0	4332 / 18329	5	5	3469 / 16712	13	13	6781 / 22447	0	0	4001 / 20197	5	5	2827 / 14481	14	14	1479 / 10317	20	20
BL_YR4_1A	6962 / 7196	1	1	2993 / 3113	5	5	3400 / 3618	10	10	4967 / 5175	4	4	2931 / 3214	8	8	4590 / 4734	3	3	11271 / 11558	—	—
BL_YR4_1B	7646 / 7891	13	13	2481 / 3002	17	17	2730 / 3002	25	25	5144 / 5787	18	18	3657 / 4007	23	23	4295 / 4909	20	20	10482 / 11015	—	—
BT_YR4_1A	6962 / 7196	0	0	2993 / 3113	0	0	3400 / 3618	0	0	4967 / 5175	0	0	2931 / 3214	0	0	4590 / 4734	0	0	11271 / 11558	—	—
BT_YR4_1B	7646 / 7891	0	0	2481 / 3002	0	0	2730 / 3002	0	0	5144 / 5787	0	0	3657 / 4007	0	0	4295 / 4909	0	0	10482 / 11015	—	—
GD_PIT_YR4_1A	6962 / 7196	0	0	2993 / 3113	0	0	3400 / 3618	0	0	4967 / 5175	0	0	2931 / 3214	0	0	4590 / 4734	0	0	11271 / 11558	—	—
GD_YR4_1B	7646 / 7891	0	0	2481 / 3002	4	4	2730 / 3002	13	13	5144 / 5787	5	5	3657 / 4007	11	11	4295 / 4909	8	8	10482 / 11015	—	—
HS_YR4_1	6962 / 7196	0	0	2993 / 3113	3	3	3400 / 3618	7	7	4967 / 5175	1	1	2931 / 3214	6	6	4590 / 4734	0	0	11271 / 11558	—	—
HS_YR4_2	7646 / 7891	10	10	2481 / 3002	15	15	2730 / 3002	24	24	5144 / 5787	16	16	3657 / 4007	22	22	4295 / 4909	18	18	10482 / 11015	—	—
PB_YR4_1A	6962 / 7196	0	0	2993 / 3113	0	0	3400 / 3618	0	0	4967 / 5175	0	0	2931 / 3214	0	0	4590 / 4734	0	0	11271 / 11558	—	—
PB_YR4_1B	7646 / 7891	3	3	2481 / 3002	7	7	2730 / 3002	16	16	5144 / 5787	9	9	3657 / 4007	14	14	4295 / 4909	11	11	10482 / 11015	—	—
PL_YR4_1A	6962 / 7196	1	1	2993 / 3113	5	5	3400 / 3618	10	10	4967 / 5175	4	4	2931 / 3214	8	8	4590 / 4734	3	3	11271 / 11558	—	—
PL_YR4_1B	7646 / 7891	13	13	2481 / 3002	17	17	2730 / 3002	25	25	5144 / 5787	18	18	3657 / 4007	23	23	4295 / 4909	20	20	10482 / 11015	—	—
TD_YR4_1	6962 / 7196	0	0	2993 / 3113	0	0	3400 / 3618	4	4	4967 / 5175	0	0	2931 / 3214	4	4	4590 / 4734	0	0	11271 / 11558	—	—
TD_YR4_2	7646 / 7891	10	10	2481 / 3002	14	14	2730 / 3002	25	25	5144 / 5787	16	16	3657 / 4007	23	23	4295 / 4909	20	20	10482 / 11015	—	—
COMP_YR4	6082 / 8021	7	7	1751 / 3815	16	16	2996 / 5096	15	15	2813 / 4461	17	17	1554 / 3539	21	21	5441 / 6802	9	9	11661 / 13950	—	—
GD_YR4_1C	6082 / 8021	4	4	1751 / 3815	13	13	2995 / 5095	12	12	2812 / 4461	14	14	1554 / 3540	18	18	5441 / 6802	6	6	11661 / 13949	—	—
TD_WSF_YR4	6082 / 8021	12	12	1751 / 3815	22	22	2996 / 5097	21	21	2813 / 4461	23	23	1554 / 3539	27	27	5441 / 6800	14	14	11661 / 13951	—	—
TD_474_YR4	8664 / 8720	4	4	4491 / 4546	14	14	3677 / 3738	19	19	7786 / 7856	6	6	5569 / 5636	12	12	3023 / 3090	23	23	8654 / 8720	3	3
DTR_YR4	8664 / 8720	10	10	4491 / 4546	17	17	3677 / 3738	22	22	7786 / 7856	11	11	5569 / 5636	17	17	3023 / 3090	26	26	8654 / 8720	10	10
BH_YR4	8664 / 8720	4	4	4491 / 4546	11	11	3677 / 3738	16	16	7786 / 7856	5	5	5569 / 5636	10	10	3023 / 3091	20	20	8654 / 8720	3	3

Note: The two numbers (i.e., ##/##) represent minimum and maximum distances for the respective source to the Point of Reception

Table A2-C: Point of Reception Predicted Individual Source Sound Levels (Year 4)

Source ID	POR17			POR18			POR19		
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)
TM	8787	0	0	12896	—	—	16624	—	—
CL_13	8901	0	0	12948	—	—	16728	—	—
LP_YR4_6	10436	—	—	14845	—	—	18228	—	—
LP_YR4_5	11819	—	—	16093	—	—	19654	—	—
LP_YR4_4	11120	—	—	15462	—	—	18938	—	—
PD_251_YR4_3	8769	18	18	13115	—	—	16596	—	—
PD_251_YR4_2	8993	18	18	13353	—	—	16814	—	—
PD_251_YR4_1	9525	—	—	13805	—	—	17364	—	—
PD_140_YR4_2	8881	20	20	13235	—	—	16705	—	—
PD_140_YR4_1	9651	—	—	13924	—	—	17490	—	—
PTR_YR4	9677	—	—	13948	—	—	17517	—	—
PMP_L80N_YR4_6	8892	0	0	13187	—	—	16730	—	—
PMP_L80N_YR4_5	9070	—	—	13345	—	—	16910	—	—
PMP_L80N_YR4_4	9271	—	—	13537	—	—	17112	—	—
PMP_L80N_YR4_3	9456	—	—	13708	—	—	17298	—	—
PMP_L80N_YR4_2	9622	—	—	13865	—	—	17465	—	—
PMP_L80N_YR4_1	9791	—	—	14025	—	—	17635	—	—
PMP_L100N_YR4_2	8882	0	0	13076	—	—	16727	—	—
PMP_L100N_YR4_1	9048	—	—	13242	—	—	16893	—	—
LP_YR4_3	9450	—	—	13737	—	—	17288	—	—
LP_YR4_2	9556	—	—	13834	—	—	17395	—	—
LP_YR4_1	9068	—	—	13432	—	—	16887	—	—
TCF	8455	0	0	12479	—	—	16275	—	—
PP_S001	8629	0	0	12679	—	—	16456	—	—
PP_S002	8629	5	5	12679	—	—	16456	—	—
PP_S003	8629	0	0	12679	—	—	16456	—	—
PP_S004	8629	9	9	12679	—	—	16456	—	—
PP_S005	8629	9	9	12679	—	—	16456	—	—
PP_S006	8629	0	0	12679	—	—	16456	—	—
PP_S007	8629	0	0	12679	—	—	16456	—	—
PP_S008	8629	0	0	12679	—	—	16456	—	—
PP_S009	8629	0	0	12679	—	—	16456	—	—
PP_S010	8629	0	0	12679	—	—	16456	—	—
PP_S011	8629	3	3	12679	—	—	16456	—	—
PP_S012	8629	0	0	12679	—	—	16456	—	—
PP_S013	8629	0	0	12679	—	—	16456	—	—
PP_S014	8629	0	0	12679	—	—	16456	—	—
PP_S015	8629	1	1	12679	—	—	16456	—	—
PP_S016	8629	0	0	12679	—	—	16456	—	—
PP_S017	8629	0	0	12679	—	—	16456	—	—
PP_S018	8629	0	0	12679	—	—	16456	—	—
PP_S019	8629	0	0	12679	—	—	16456	—	—
PP_S020	8629	0	0	12679	—	—	16456	—	—
PP_S021	8629	0	0	12679	—	—	16456	—	—
PP_S022	8629	1	1	12679	—	—	16456	—	—
PP_S023	8629	1	1	12679	—	—	16456	—	—
PP_S024	8629	0	0	12679	—	—	16456	—	—
PP_S025	8629	0	0	12679	—	—	16456	—	—
PP_S026	8629	1	1	12679	—	—	16456	—	—
PP_S027	8629	0	0	12679	—	—	16456	—	—
PP_S028	8629	0	0	12679	—	—	16456	—	—
PP_S029	8629	0	0	12679	—	—	16456	—	—
PP_S030	8629	0	0	12679	—	—	16456	—	—
PP_S031	8629	0	0	12679	—	—	16456	—	—
PP_S032	8629	1	1	12679	—	—	16456	—	—
PP_S033	8629	0	0	12679	—	—	16456	—	—
PP_S034	8629	0	0	12679	—	—	16456	—	—
PP_S035	8629	0	0	12679	—	—	16456	—	—
PP_S036	8629	0	0	12679	—	—	16456	—	—
PP_S037	8629	0	0	12679	—	—	16456	—	—
PP_S038	8629	0	0	12679	—	—	16456	—	—
PP_S039	8629	0	0	12679	—	—	16456	—	—
PP_S040	8629	0	0	12679	—	—	16456	—	—
PP_S041	8629	0	0	12679	—	—	16456	—	—
PP_S042	8629	0	0	12679	—	—	16456	—	—
PP_S043	8629	0	0	12679	—	—	16456	—	—
PP_S044	8629	1	1	12679	—	—	16456	—	—

Table A2-C: Point of Reception Predicted Individual Source Sound Levels (Year 4)

Source ID	POR17			POR18			POR19		
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/Nighttime Sound Pressure Level (dBA)
PP_S045	8629	0	0	12679	—	—	16456	—	—
PP_S046	8629	0	0	12679	—	—	16456	—	—
PP_S047	8629	1	1	12679	—	—	16456	—	—
PP_S048	8629	0	0	12679	—	—	16456	—	—
PP_S049	8629	0	0	12679	—	—	16456	—	—
PP_S050	8629	0	0	12679	—	—	16456	—	—
PP_S051	8629	0	0	12679	—	—	16456	—	—
PP_S052	8629	1	1	12679	—	—	16456	—	—
PP_S053	8629	0	0	12679	—	—	16456	—	—
PP_S054	8629	0	0	12679	—	—	16456	—	—
PP_S055	8629	0	0	12679	—	—	16456	—	—
PP_S056	8629	1	1	12679	—	—	16456	—	—
PP_S057	8629	0	0	12679	—	—	16456	—	—
PP_S058	8629	0	0	12679	—	—	16456	—	—
PP_S059	8629	7	7	12679	—	—	16456	—	—
PP_S060	8629	5	5	12679	—	—	16456	—	—
PP_S061	8629	0	0	12679	—	—	16456	—	—
PP_S062	8629	0	0	12679	—	—	16456	—	—
PP_S063	8629	4	4	12679	—	—	16456	—	—
PP_S064	8629	7	7	12679	—	—	16456	—	—
PP_S065	8629	7	7	12679	—	—	16456	—	—
PP_S066	8629	7	7	12679	—	—	16456	—	—
PP_S067	8629	5	5	12679	—	—	16456	—	—
PP_S068	8629	5	5	12679	—	—	16456	—	—
PP_S069	8629	5	5	12679	—	—	16456	—	—
PP_S070	8629	0	0	12679	—	—	16456	—	—
PP_S071	8629	0	0	12679	—	—	16456	—	—
PP_S072	8629	0	0	12679	—	—	16456	—	—
PP_S073	8629	0	0	12679	—	—	16456	—	—
PP_S074	8629	0	0	12679	—	—	16456	—	—
PP_S075	8629	0	0	12679	—	—	16456	—	—
PP_S076	8629	4	4	12679	—	—	16456	—	—
PP_S077	8629	4	4	12679	—	—	16456	—	—
PP_S078	8629	4	4	12679	—	—	16456	—	—
PP_S079	8629	0	0	12679	—	—	16456	—	—
PP_S080	8629	0	0	12679	—	—	16456	—	—
PP_S081	8629	0	0	12679	—	—	16456	—	—
PP_S082	8629	0	0	12679	—	—	16456	—	—
PP_S083	8629	0	0	12679	—	—	16456	—	—
PP_S084	8629	0	0	12679	—	—	16456	—	—
PP_S085	8629	0	0	12679	—	—	16456	—	—
PP_S086	8629	0	0	12679	—	—	16456	—	—
PP_S087	8629	1	1	12679	—	—	16456	—	—
PP_S088	8629	1	1	12679	—	—	16456	—	—
PP_S089	8629	0	0	12679	—	—	16456	—	—
PP_S090	8629	1	1	12679	—	—	16456	—	—
PP_S091	8629	0	0	12679	—	—	16456	—	—
PP_S092	8629	0	0	12679	—	—	16456	—	—
PP_S093	8629	0	0	12679	—	—	16456	—	—
PP_S094	8629	0	0	12679	—	—	16456	—	—
PP_S095	8629	0	0	12679	—	—	16456	—	—
PP_S096	8629	0	0	12679	—	—	16456	—	—
PP_S097	8629	1	1	12679	—	—	16456	—	—
PP_S098	8629	0	0	12679	—	—	16456	—	—
PP_S099	8629	0	0	12679	—	—	16456	—	—
PP_S100	8629	0	0	12679	—	—	16456	—	—
PP_S101	8629	0	0	12679	—	—	16456	—	—
PP_S102	8629	0	0	12679	—	—	16456	—	—
PP_S103	8629	0	0	12679	—	—	16456	—	—
PP_S104	8629	0	0	12679	—	—	16456	—	—
PP_S105	8629	7	7	12679	—	—	16456	—	—
PP_S106	8629	5	5	12679	—	—	16456	—	—
PP_S107	8629	0	0	12679	—	—	16456	—	—
PP_S108	8629	0	0	12679	—	—	16456	—	—
PP_S109	8629	4	4	12679	—	—	16456	—	—
CR_YR4	6731	7	7	10976	—	—	14576	—	—
CL_13M	8670 / 9661	0	0	12645 / 13656	—	—	16478 / 17479	—	—

Table A2-C: Point of Reception Predicted Individual Source Sound Levels (Year 4)

Source ID	POR17			POR18			POR19		
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)
GD_RM	7624 / 10163	0	0	11976 / 14415	—	—	15454 / 18005	—	—
RCB	7626 / 10175	0	0	11978 / 14423	—	—	15456 / 18016	—	—
RCD	7626 / 10173	0	0	11977 / 14427	—	—	15456 / 18014	—	—
RCL	7626 / 10171	0	0	11977 / 14426	—	—	15457 / 18012	—	—
SWT	7624 / 10163	0	0	11976 / 14415	—	—	15454 / 18004	—	—
ITC_1	7591 / 8351	0	0	11729 / 12400	—	—	15429 / 16176	—	—
ITC_2	7626 / 10164	0	0	11977 / 14416	—	—	15456 / 18005	—	—
LFT	7624 / 10163	0	0	11976 / 14415	—	—	15454 / 18005	—	—
MB_1	7592 / 8351	0	0	11730 / 12400	—	—	15430 / 16176	—	—
MB_2	7624 / 10163	0	0	11976 / 14415	—	—	15454 / 18004	—	—
MCN	7624 / 10163	0	0	11976 / 14415	—	—	15454 / 18005	—	—
MT_1	7593 / 8351	0	0	11732 / 12400	—	—	15431 / 16176	—	—
MT_2	7624 / 10163	0	0	11976 / 14415	—	—	15454 / 18005	—	—
PT_1	7591 / 8351	0	0	11729 / 12400	—	—	15429 / 16176	—	—
PT_2	7624 / 10163	0	0	11976 / 14415	—	—	15454 / 18004	—	—
TTR	7624 / 10163	0	0	11976 / 14415	—	—	15454 / 18005	—	—
WT_1	7592 / 8351	0	0	11730 / 12400	—	—	15430 / 16176	—	—
WT_2	7624 / 10163	0	0	11976 / 14415	—	—	15454 / 18005	—	—
HT_240_YR4_1B	9213 / 11619	—	—	13461 / 15990	—	—	17056 / 19423	—	—
HT_240_YR4_1B	9214 / 12001	—	—	13462 / 16255	—	—	17057 / 19839	—	—
HT_240_YR4_2A	8895 / 9864	11	11	13202 / 14121	—	—	16730 / 17705	—	—
HT_240_YR4_2B	8919 / 9812	0	0	12970 / 13998	—	—	16747 / 17656	—	—
HT_240_YR4_2B	8671 / 9812	0	0	12647 / 13998	—	—	16480 / 17656	—	—
HT_240_YR4_2B	8107 / 9812	2	2	12318 / 13998	—	—	15952 / 17656	—	—
HT_240_YR4_2B	7433 / 9812	3	3	11632 / 13998	—	—	15277 / 17656	—	—
MT_YR4	617 / 8276	26	26	1568 / 12355	22	22	1999 / 16107	15	15
BL_YR4_1A	9421 / 9697	—	—	13704 / 13962	—	—	17260 / 17537	—	—
BL_YR4_1B	8664 / 9245	8	8	12994 / 13611	—	—	16495 / 17064	—	—
BT_YR4_1A	9421 / 9697	—	—	13704 / 13962	—	—	17260 / 17537	—	—
BT_YR4_1B	8664 / 9245	0	0	12994 / 13611	—	—	16495 / 17064	—	—
GD_PIT_YR4_1A	9421 / 9697	—	—	13704 / 13962	—	—	17260 / 17537	—	—
GD_YR4_1B	8664 / 9245	0	0	12994 / 13611	—	—	16495 / 17064	—	—
HS_YR4_1	9421 / 9697	—	—	13704 / 13962	—	—	17260 / 17537	—	—
HS_YR4_2	8664 / 9245	4	4	12994 / 13611	—	—	16495 / 17064	—	—
PB_YR4_1A	9421 / 9697	—	—	13704 / 13962	—	—	17260 / 17537	—	—
PB_YR4_1B	8664 / 9245	0	0	12994 / 13611	—	—	16495 / 17064	—	—
PL_YR4_1A	9421 / 9697	—	—	13704 / 13962	—	—	17260 / 17537	—	—
PL_YR4_1B	8664 / 9245	8	8	12994 / 13611	—	—	16495 / 17064	—	—
TD_YR4_1	9421 / 9697	—	—	13704 / 13962	—	—	17260 / 17537	—	—
TD_YR4_2	8664 / 9245	4	4	12994 / 13611	—	—	16495 / 17064	—	—
COMP_YR4	9923 / 12140	—	—	14299 / 16410	—	—	17734 / 19975	—	—
GD_YR4_1C	9923 / 12139	—	—	14299 / 16409	—	—	17734 / 19974	—	—
TD_WSF_YR4	9923 / 12140	—	—	14299 / 16410	—	—	17734 / 19975	—	—
TD_474_YR4	6689 / 6759	7	7	10937 / 11009	—	—	14534 / 14604	—	—
DTR_YR4	6689 / 6759	11	11	10937 / 11009	—	—	14534 / 14604	—	—
BH_YR4	6689 / 6759	5	5	10937 / 11009	—	—	14534 / 14604	—	—

Note: The two numbers (i.e., ##/##) represent minimum and maximum distances for the respective source to the Point of Reception

Table A2-D: Point of Reception Predicted Individual Source Sound Levels (Year 9)

Source ID	POR01			POR02			POR03			POR04			POR05			POR06			POR07		
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)
LP_YR9_6	7678	—	0	2077	—	0	3142	—	0	3891	—	0	3252	—	0	6018	—	0	12121	—	—
LP_YR9_5	6360	—	0	3573	—	0	4835	—	0	3101	—	0	1834	—	0	6524	—	0	13631	—	—
LP_YR9_4	7002	—	0	2792	—	0	3986	—	0	3408	—	0	2502	—	0	6224	—	0	12873	—	—
PD_251_YR9_2	7555	16	16	2913	8	8	3097	9	9	5462	19	19	3642	22	22	4484	8	8	10857	—	—
PD_251_YR9_1	7201	8	8	3012	9	9	3396	13	13	5172	11	11	3222	12	12	4605	6	6	11267	—	—
PD_140_YR9	7139	11	11	3020	12	12	3450	14	14	5095	12	12	3136	15	15	4656	14	14	11361	—	—
PTR_YR9	7164	0	0	3013	0	0	3428	0	0	5119	0	0	3167	2	2	4642	0	0	11329	—	—
PMP_L80N_YR9_8	7099	0	0	3301	0	0	3562	0	0	5479	0	0	3281	0	0	4267	0	0	11102	—	—
PMP_L80N_YR9_7	7143	0	0	3224	0	0	3503	0	0	5419	0	0	3288	0	0	4341	0	0	11118	—	—
PMP_L80N_YR9_6	7183	0	0	3163	0	0	3453	0	0	5380	0	0	3302	0	0	4395	0	0	11123	—	—
PMP_L80N_YR9_5	7224	0	0	3120	0	0	3409	0	0	5367	0	0	3329	0	0	4424	0	0	11109	—	—
PMP_L80N_YR9_4	7268	0	0	3057	0	0	3356	0	0	5329	0	0	3348	0	0	4479	0	0	11112	—	—
PMP_L80N_YR9_3	7283	0	0	3025	0	0	3336	0	0	5300	0	0	3347	0	0	4513	0	0	11125	—	—
PMP_L80N_YR9_2	7325	0	0	2993	0	0	3294	0	0	5306	0	0	3385	0	0	4526	0	0	11097	—	—
PMP_L80N_YR9_1	7365	0	0	2970	0	0	3257	0	0	5322	0	0	3425	0	0	4528	0	0	11063	—	—
PMP_L100N_YR9_3	6949	0	0	3659	0	0	3818	0	0	5804	0	0	3334	1	1	3894	0	0	10976	—	—
PMP_L100N_YR9_2	7014	0	0	3510	0	0	3707	0	0	5675	0	0	3314	2	2	4044	0	0	11019	—	—
PMP_L100N_YR9_1	7062	0	0	3398	0	0	3626	0	0	5573	0	0	3299	1	1	4161	0	0	11058	—	—
LP_YR9_3	7158	—	0	3274	—	0	3511	—	0	5508	—	0	3342	—	0	4260	—	0	11046	—	—
LP_YR9_2	7875	—	0	2786	—	0	2818	—	0	5630	—	0	3972	—	0	4509	—	0	10573	—	—
LP_YR9_1	7177	—	0	3014	—	0	3417	—	0	5140	—	0	3187	—	0	4627	—	0	11306	—	—
TM	6815	8	8	4121	4	4	4158	15	15	6255	4	4	3499	17	17	3402	18	18	10795	—	—
CL_13	6541	5	5	4398	8	8	4469	12	12	6353	6	6	3377	16	16	3253	16	16	10947	—	—
TCF	6808	0	0	4599	0	0	4495	0	0	6789	0	0	3832	0	0	2854	0	0	10526	—	—
PP_S001	6747	3	3	4438	2	2	4404	10	10	6567	0	0	3650	8	8	3069	10	10	10680	—	—
PP_S002	6747	10	10	4438	8	8	4404	15	15	6567	6	6	3650	12	12	3069	18	18	10680	—	—
PP_S003	6747	0	0	4438	0	0	4404	4	4	6567	0	0	3650	7	7	3069	10	10	10680	—	—
PP_S004	6747	22	22	4438	21	21	4404	29	29	6567	17	17	3650	28	28	3069	35	35	10680	—	—
PP_S005	6747	22	22	4438	21	21	4404	30	30	6567	18	18	3650	28	28	3069	30	30	10680	—	—
PP_S006	6747	0	0	4438	5	5	4404	9	9	6567	0	0	3650	12	12	3069	15	15	10680	—	—
PP_S007	6747	0	0	4438	6	6	4404	9	9	6567	0	0	3650	12	12	3069	15	15	10680	—	—
PP_S008	6747	0	0	4438	0	0	4404	3	3	6567	0	0	3650	6	6	3069	9	9	10680	—	—
PP_S009	6747	0	0	4438	6	6	4404	9	9	6567	0	0	3650	12	12	3069	15	15	10680	—	—
PP_S010	6747	0	0	4438	6	6	4404	9	9	6567	0	0	3650	12	12	3069	15	15	10680	—	—
PP_S011	6747	15	15	4438	13	13	4404	17	17	6567	11	11	3650	20	20	3069	22	22	10680	—	—
PP_S012	6747	0	0	4438	6	6	4404	9	9	6567	0	0	3650	12	12	3069	15	15	10680	—	—
PP_S013	6747	0	0	4438	0	0	4404	4	4	6567	0	0	3650	7	7	3069	10	10	10680	—	—
PP_S014	6747	3	3	4438	2	2	4404	6	6	6567	0	0	3650	8	8	3069	10	10	10680	—	—
PP_S015	6747	10	10	4438	8	8	4404	15	15	6567	6	6	3650	12	12	3069	14	14	10680	—	—
PP_S016	6747	0	0	4438	0	0	4404	0	0	6567	0	0	3650	1	1	3069	4	4	10680	—	—
PP_S017	6747	0	0	4438	6	6	4404	9	9	6567	0	0	3650	12	12	3069	15	15	10680	—	—
PP_S018	6747	0	0	4438	6	6	4404	9	9	6567	0	0	3650	12	12	3069	15	15	10680	—	—
PP_S019	6747	0	0	4438	0	0	4404	4	4	6567	0	0	3650	7	7	3069	10	10	10680	—	—
PP_S020	6747	0	0	4438	1	1	4404	5	5	6567	0	0	3650	8	8	3069	10	10	10680	—	—
PP_S021	6747	0	0	4438	1	1	4404	5	5	6567	0	0	3650	8	8	3069	10	10	10680	—	—
PP_S022	6747	10	10	4438	8	8	4404	15	15	6567	6	6	3650	12	12	3069	14	14	10680	—	—
PP_S023	6747	10	10	4438	8	8	4404	15	15	6567	6	6	3650	12	12	3069	14	14	10680	—	—
PP_S024	6747	0	0	4438	6	6	4404	9	9	6567	0	0	3650	12	12	3069	15	15	10680	—	—
PP_S025	6747	0	0	4438	0	0	4404	0	0	6567	0	0	3650	0	0	3069	0	0	10680	—	—
PP_S026	6747	10	10	4438	8	8	4404	15	15	6567	6	6	3650	12	12	3069	14	14	10680	—	—
PP_S027	6747	0	0	4438	6	6	4404	9	9	6567	0	0	3650	12	12	3069	15	15	10680	—	—
PP_S028	6747	0	0	4438	6	6	4404	9	9	6567	0	0	3650	12	12	3069	15	15	10680	—	—
PP_S029	6747	0	0	4438	6	6	4404	9	9	6567	0	0	3650	12	12	3069	15	15	10680	—	—
PP_S030	6747	12	12	4438	11	11	4404	15	15	6567	8	8	3650	18	18	3069	20	20	10680	—	—
PP_S031	6747	5	5	4438	6	6	4404	9	9	6567	1	1	3650	12	12	3069	15	15	10680	—	—
PP_S032	6747	10	10	4438	8	8	4404	15	15	6567	6	6	3650	12	12	3069	14	14	10680	—	—
PP_S033	6747	0	0	4438	0	0	4404	0	0	6567	0	0	3650	0	0	3069	0	0	10680	—	—
PP_S034	6747	2	2	4438	1	1	4404	10	10	6567	0	0	3650	8	8	3069	10	10	10680	—	—
PP_S035	6747	0	0	4438	0	0	4404	0	0	6567	0	0	3650	1	1	3069	4	4	10680	—	—
PP_S036	6747	0	0	4438	0	0	4404	0	0	6567	0	0	3650	1	1	3069	4	4	10680	—	—
PP_S037	6747	3	3	4438	2	2	4404	10	10	6567	0	0	3650	8	8	3069	10	10	10680	—	—
PP_S038	6747	0	0	4438	0	0	4404	4	4	6567	0	0	3650	7	7	3069	10	10	10680	—	—
PP_S039	6747	0	0	4438	0	0	4404	0	0	6567	0	0	3650	1	1	3069	4	4	10680	—	—
PP_S040	6747	5	5	4438	9	9	4404	12	12	6567	5	5	3650	14	14	3069	16	16	10680	—	—
PP_S041	6747	0	0	4438	0	0	4404	0	0	6567	0	0	3650	1	1	3069	4	4	10680	—	—
PP_S042	6747	0	0	4438	0	0	4404	0	0	6567	0	0	3650	1	1	3069	4	4	10680	—	—
PP_S043	6747	0	0	4438	0	0	4404	0	0	6567	0	0	3650	0	0	3069	0	0	10680	—	—

Table A2-D: Point of Reception Predicted Individual Source Sound Levels (Year 9)

Source ID	POR01			POR02			POR03			POR04			POR05			POR06			POR07		
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)
PP_S044	6747	10	10	4438	8	8	4404	15	15	6567	6	6	3650	12	12	3069	14	14	10680	—	—
PP_S045	6747	0	0	4438	0	0	4404	0	0	6567	0	0	3650	1	1	3069	4	4	10680	—	—
PP_S046	6747	0	0	4438	0	0	4404	0	0	6567	0	0	3650	1	1	3069	4	4	10680	—	—
PP_S047	6747	10	10	4438	8	8	4404	15	15	6567	6	6	3650	12	12	3069	14	14	10680	—	—
PP_S048	6747	0	0	4438	0	0	4404	0	0	6567	0	0	3650	0	0	3069	0	0	10680	—	—
PP_S049	6747	0	0	4438	0	0	4404	4	4	6567	0	0	3650	7	7	3069	10	10	10680	—	—
PP_S050	6747	0	0	4438	0	0	4404	4	4	6567	0	0	3650	7	7	3069	10	10	10680	—	—
PP_S051	6747	0	0	4438	0	0	4404	4	4	6567	0	0	3650	7	7	3069	10	10	10680	—	—
PP_S052	6747	10	10	4438	8	8	4404	15	15	6567	6	6	3650	12	12	3069	14	14	10680	—	—
PP_S053	6747	3	3	4438	2	2	4404	5	5	6567	0	0	3650	8	8	3069	10	10	10680	—	—
PP_S054	6747	0	0	4438	0	0	4404	3	3	6567	0	0	3650	6	6	3069	9	9	10680	—	—
PP_S055	6747	0	0	4438	0	0	4404	4	4	6567	0	0	3650	7	7	3069	10	10	10680	—	—
PP_S056	6747	10	10	4438	8	8	4404	15	15	6567	6	6	3650	12	12	3069	14	14	10680	—	—
PP_S057	6747	0	0	4438	0	0	4404	0	0	6567	0	0	3650	1	1	3069	4	4	10680	—	—
PP_S058	6747	0	0	4438	0	0	4404	4	4	6567	0	0	3650	7	7	3069	10	10	10680	—	—
PP_S059	6747	11	11	4438	14	14	4404	16	16	6567	11	11	3650	18	18	3069	20	20	10680	—	—
PP_S060	6747	14	14	4438	12	12	4404	19	19	6567	9	9	3650	16	16	3069	18	18	10680	—	—
PP_S061	6747	1	1	4438	5	5	4404	7	7	6567	2	2	3650	8	8	3069	10	10	10680	—	—
PP_S062	6747	2	2	4438	5	5	4404	7	7	6567	2	2	3650	9	9	3069	10	10	10680	—	—
PP_S063	6747	9	9	4438	7	7	4404	14	14	6567	4	4	3650	11	11	3069	17	17	10680	—	—
PP_S064	6747	11	11	4438	14	14	4404	16	16	6567	11	11	3650	18	18	3069	20	20	10680	—	—
PP_S065	6747	11	11	4438	14	14	4404	16	16	6567	11	11	3650	18	18	3069	20	20	10680	—	—
PP_S066	6747	11	11	4438	14	14	4404	16	16	6567	11	11	3650	18	18	3069	20	20	10680	—	—
PP_S067	6747	14	14	4438	12	12	4404	19	19	6567	9	9	3650	16	16	3069	18	18	10680	—	—
PP_S068	6747	14	14	4438	12	12	4404	19	19	6567	9	9	3650	16	16	3069	18	18	10680	—	—
PP_S069	6747	14	14	4438	12	12	4404	19	19	6567	9	9	3650	16	16	3069	18	18	10680	—	—
PP_S070	6747	1	1	4438	5	5	4404	7	7	6567	2	2	3650	8	8	3069	10	10	10680	—	—
PP_S071	6747	1	1	4438	5	5	4404	7	7	6567	2	2	3650	8	8	3069	10	10	10680	—	—
PP_S072	6747	1	1	4438	5	5	4404	7	7	6567	2	2	3650	8	8	3069	10	10	10680	—	—
PP_S073	6747	2	2	4438	5	5	4404	7	7	6567	2	2	3650	9	9	3069	10	10	10680	—	—
PP_S074	6747	2	2	4438	5	5	4404	7	7	6567	2	2	3650	9	9	3069	10	10	10680	—	—
PP_S075	6747	2	2	4438	5	5	4404	7	7	6567	2	2	3650	9	9	3069	10	10	10680	—	—
PP_S076	6747	9	9	4438	7	7	4404	14	14	6567	4	4	3650	11	11	3069	17	17	10680	—	—
PP_S077	6747	9	9	4438	7	7	4404	14	14	6567	4	4	3650	11	11	3069	17	17	10680	—	—
PP_S078	6747	9	9	4438	7	7	4404	14	14	6567	4	4	3650	11	11	3069	17	17	10680	—	—
PP_S079	6747	0	0	4438	0	0	4404	0	0	6567	0	0	3650	1	1	3069	4	4	10680	—	—
PP_S080	6747	0	0	4438	0	0	4404	0	0	6567	0	0	3650	1	1	3069	4	4	10680	—	—
PP_S081	6747	0	0	4438	0	0	4404	0	0	6567	0	0	3650	1	1	3069	4	4	10680	—	—
PP_S082	6747	0	0	4438	0	0	4404	0	0	6567	0	0	3650	1	1	3069	4	4	10680	—	—
PP_S083	6747	5	5	4438	6	6	4404	14	14	6567	1	1	3650	12	12	3069	15	15	10680	—	—
PP_S084	6747	5	5	4438	6	6	4404	14	14	6567	1	1	3650	12	12	3069	15	15	10680	—	—
PP_S085	6747	5	5	4438	6	6	4404	14	14	6567	1	1	3650	12	12	3069	15	15	10680	—	—
PP_S086	6747	0	0	4438	1	1	4404	5	5	6567	0	0	3650	8	8	3069	10	10	10680	—	—
PP_S087	6747	5	5	4438	8	8	4404	10	10	6567	5	5	3650	12	12	3069	14	14	10680	—	—
PP_S088	6747	5	5	4438	8	8	4404	10	10	6567	5	5	3650	12	12	3069	14	14	10680	—	—
PP_S089	6747	0	0	4438	1	1	4404	5	5	6567	0	0	3650	8	8	3069	10	10	10680	—	—
PP_S090	6747	10	10	4438	8	8	4404	15	15	6567	6	6	3650	12	12	3069	14	14	10680	—	—
PP_S091	6747	0	0	4438	0	0	4404	0	0	6567	0	0	3650	0	0	3069	0	0	10680	—	—
PP_S092	6747	0	0	4438	6	6	4404	9	9	6567	0	0	3650	12	12	3069	15	15	10680	—	—
PP_S093	6747	0	0	4438	6	6	4404	9	9	6567	0	0	3650	12	12	3069	15	15	10680	—	—
PP_S094	6747	0	0	4438	6	6	4404	9	9	6567	0	0	3650	12	12	3069	15	15	10680	—	—
PP_S095	6747	12	12	4438	11	11	4404	15	15	6567	8	8	3650	18	18	3069	20	20	10680	—	—
PP_S096	6747	1	1	4438	7	7	4404	10	10	6567	2	2	3650	14	14	3069	16	16	10680	—	—
PP_S097	6747	10	10	4438	8	8	4404	15	15	6567	6	6	3650	12	12	3069	14	14	10680	—	—
PP_S098	6747	0	0	4438	0	0	4404	0	0	6567	0	0	3650	0	0	3069	0	0	10680	—	—
PP_S099	6747	2	2	4438	1	1	4404	10	10	6567	0	0	3650	8	8	3069	10	10	10680	—	—
PP_S100	6747	0	0	4438	0	0	4404	3	3	6567	0	0	3650	6	6	3069	9	9	10680	—	—
PP_S101	6747	0	0	4438	0	0	4404	0	0	6567	0	0	3650	1	1	3069	4	4	10680	—	—
PP_S102	6747	3	3	4438	2	2	4404	10	10	6567	0	0	3650	8	8	3069	10	10	10680	—	—
PP_S103	6747	0	0	4438	0	0	4404	0	0	6567	0	0	3650	1	1	3069	4	4	10680	—	—
PP_S104	6747	0	0	4438	0	0	4404	3	3	6567	0	0	3650	6	6	3069	9	9	10680	—	—
PP_S105	6747	11	11	4438	14	14	4404	16	16	6567	11	11	3650	18	18	3069	20	20	10680	—	—
PP_S106	6747	14	14	4438	12	12	4404	19	19	6567	9	9	3650	16	16	3069	18	18	10680	—	—
PP_S107	6747	7	7	4438	5	5	4404	12	12	6567	3	3	3650	9	9	3069	11	11	10680	—	—
PP_S108	6747	2	2	4438	5	5	4404	7	7	6567	2	2	3650	9	9	3069	10	10	10680	—	—
PP_S109	6747	9	9	4438	7	7	4404	14	14	6567	4	4	3650	11	11	3069	17	17	10680	—	—
CR_YR9	8677	6	6	4526	17	17	3720	20	20	7820	7	7	5593	13	13	3042	23	23	8697	5	5

Table A2-D: Point of Reception Predicted Individual Source Sound Levels (Year 9)

Source ID	POR01			POR02			POR03			POR04			POR05			POR06			POR07		
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)
CL_13M	5829 / 6553	2	2	4309 / 4767	4	4	4415 / 4968	7	7	5929 / 6765	2	2	2633 / 3643	13	13	2833 / 3686	12	12	10764 / 11723	—	—
GD_RM	6482 / 8664	1	1	2187 / 4321	12	12	2142 / 4203	16	16	4552 / 6839	6	6	2417 / 4935	14	14	2973 / 5124	11	11	9453 / 12034	—	—
RCB	6359 / 8667	1	1	2187 / 4410	11	11	2143 / 4562	16	16	4557 / 6767	5	5	2409 / 4932	13	13	3387 / 5116	10	10	9456 / 12041	—	—
RCD	6355 / 8667	7	7	2189 / 4414	17	17	2142 / 4566	22	22	4557 / 6767	11	11	2399 / 4933	15	19	3385 / 5115	16	16	9456 / 12054	—	—
RCL	6362 / 8664	0	0	2188 / 4408	11	11	2144 / 4559	15	15	4557 / 6768	5	5	2399 / 4932	13	13	3388 / 5115	9	9	9456 / 12051	—	—
SWT	6483 / 8665	7	7	2186 / 4321	17	17	2141 / 4202	21	21	4553 / 6839	12	12	2418 / 4935	19	19	2974 / 5124	16	16	9453 / 12033	—	—
ITC_1	6950 / 7755	0	0	4331 / 4517	0	0	3979 / 4375	0	0	6780 / 7235	0	0	3929 / 4692	0	0	2826 / 2964	3	3	9611 / 10409	—	—
ITC_2	6482 / 8664	1	1	2186 / 4321	10	10	2142 / 4203	11	11	4553 / 6838	4	4	2417 / 4932	10	10	2974 / 5123	8	8	9456 / 12034	—	—
LFT	6482 / 8664	3	3	2187 / 4321	13	13	2142 / 4203	17	17	4553 / 6839	7	7	2417 / 4935	15	15	2973 / 5124	12	12	9453 / 12034	—	—
MB_1	6950 / 7754	0	0	4331 / 4517	0	0	3979 / 4375	0	0	6780 / 7234	0	0	3929 / 4691	0	0	2826 / 2965	4	4	9612 / 10409	—	—
MB_2	6483 / 8665	1	1	2186 / 4321	10	10	2142 / 4202	13	13	4552 / 6839	4	4	2418 / 4935	11	11	2974 / 5124	9	9	9453 / 12033	—	—
MCN	6482 / 8664	3	3	2187 / 4321	15	15	2142 / 4203	19	19	4552 / 6839	7	7	2417 / 4935	16	16	2973 / 5124	13	13	9453 / 12034	—	—
MT_1	6950 / 7754	0	0	4331 / 4517	0	0	3977 / 4375	0	0	6780 / 7232	0	0	3929 / 4690	0	0	2826 / 2964	0	0	9613 / 10409	—	—
MT_2	6482 / 8664	0	0	2187 / 4321	0	0	2142 / 4203	0	0	4553 / 6839	0	0	2417 / 4935	0	0	2973 / 5125	0	0	9453 / 12034	—	—
PT_1	6950 / 7755	0	0	4331 / 4517	0	0	3979 / 4375	0	0	6780 / 7235	0	0	3929 / 4693	0	0	2826 / 2965	0	0	9611 / 10409	—	—
PT_2	6483 / 8665	0	0	2186 / 4321	5	5	2142 / 4202	7	7	4553 / 6839	0	0	2418 / 4935	5	5	2974 / 5124	3	3	9453 / 12033	—	—
TTR	6482 / 8664	3	3	2187 / 4321	13	13	2142 / 4203	17	17	4553 / 6839	7	7	2417 / 4935	15	15	2973 / 5124	12	12	9453 / 12034	—	—
WT_1	6950 / 7754	0	0	4331 / 4517	0	0	3979 / 4375	0	0	6780 / 7234	0	0	3929 / 4691	0	0	2826 / 2965	0	0	9612 / 10409	—	—
WT_2	6482 / 8664	0	0	2187 / 4321	0	0	2142 / 4203	0	0	4552 / 6839	0	0	2417 / 4935	0	0	2973 / 5124	0	0	9453 / 12034	—	—
HT_240_YR9_2A	7052 / 7750	7	7	2645 / 3307	7	7	2900 / 3580	16	16	5045 / 5719	12	12	3047 / 3892	18	18	4197 / 4772	5	5	10583 / 11439	—	—
HT_240_YR9_2B	6478 / 7074	5	5	3308 / 4381	12	12	3582 / 4458	15	15	5100 / 6329	10	10	2607 / 3360	17	17	3277 / 4524	13	13	10962 / 11742	—	—
HT_240_YR9_2B	5828 / 6549	14	14	4316 / 4767	15	15	4422 / 4969	18	18	5930 / 6765	14	14	2635 / 3643	24	24	2833 / 3686	24	24	10764 / 11721	—	—
MT_YR9	7087 / 21783	0	0	4331 / 18329	5	5	3469 / 16712	13	13	6781 / 22447	0	0	4001 / 20196	5	5	2827 / 14480	13	13	1481 / 10317	20	20
BL_YR9	7133 / 7240	6	6	2991 / 3034	8	8	3365 / 3454	11	11	5071 / 5224	8	8	3123 / 3276	11	11	4568 / 4680	8	8	11208 / 11380	—	—
BT_YR9	7132 / 7237	0	0	2992 / 3031	0	0	3368 / 3455	0	0	5069 / 5224	0	0	3120 / 3275	0	0	4568 / 4682	0	0	11208 / 11381	—	—
GD_PIT_YR9	7134 / 7241	0	0	2991 / 3032	0	0	3364 / 3453	0	0	5069 / 5222	0	0	3121 / 3278	0	0	4572 / 4681	0	0	11207 / 11382	—	—
HSE_YR9	7133 / 7239	3	3	2991 / 3030	7	7	3364 / 3454	8	8	5065 / 5220	5	5	3122 / 3272	9	9	4571 / 4686	5	5	11213 / 11385	—	—
PL_YR9	7132 / 7237	6	6	2992 / 3031	8	8	3368 / 3455	10	10	5069 / 5224	8	8	3120 / 3275	11	11	4568 / 4682	7	7	11208 / 11381	—	—
PSB_YR9	7132 / 7241	0	0	2991 / 3032	0	0	3364 / 3455	1	1	5067 / 5227	0	0	3120 / 3278	1	1	4565 / 4683	0	0	11205 / 11384	—	—
TD_PIT_YR9	7134 / 7241	0	0	2991 / 3032	6	6	3364 / 3453	8	8	5069 / 5222	3	3	3121 / 3278	8	8	4572 / 4681	3	3	11207 / 11382	—	—
COMP_YR9	6083 / 8021	7	7	1751 / 3816	16	16	2996 / 5096	15	15	2812 / 4461	17	17	1555 / 3539	21	21	5441 / 6801	9	9	11661 / 13950	—	—
GD_WSF_YR9	6082 / 8021	4	4	1750 / 3815	13	13	2995 / 5097	12	12	2813 / 4461	14	14	1555 / 3540	18	18	5441 / 6801	6	6	11661 / 13951	—	—
TD_WSF_YR_10	6082 / 8021	12	12	1751 / 3815	22	22	2995 / 5095	21	21	2813 / 4461	23	23	1555 / 3540	27	27	5441 / 6802	14	14	11661 / 13950	—	—
TD_474_YR9	8664 / 8720	4	4	4491 / 4546	14	14	3677 / 3738	19	19	7786 / 7856	6	6	5569 / 5636	12	12	3023 / 3090	23	23	8654 / 8720	3	3
DTR_YR9	8664 / 8720	10	10	4491 / 4546	17	17	3677 / 3738	22	22	7786 / 7856	11	11	5569 / 5636	17	17	3023 / 3090	26	26	8654 / 8720	10	10
BH_YR9	8664 / 8720	4	4	4491 / 4546	11	11	3677 / 3738	16	16	7786 / 7856	5	5	5569 / 5636	10	10	3023 / 3091	20	20	8654 / 8720	3	3

Note: The two numbers (i.e., ##/##) represent minimum and maximum distances for the respective source to the Point of Reception

Table A2-D: Point of Reception Predicted Individual Source Sound Levels (Year 9)

Source ID	POR17			POR18			POR19		
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)
LP_YR9_6	10436	—	—	14845	—	—	18228	—	—
LP_YR9_5	11819	—	—	16093	—	—	19654	—	—
LP_YR9_4	11120	—	—	15462	—	—	18938	—	—
PD_251_YR9_2	9030	—	—	13346	—	—	16863	—	—
PD_251_YR9_1	9419	—	—	13704	—	—	17257	—	—
PD_140_YR9	9511	—	—	13793	—	—	17350	—	—
PTR_YR9	9480	—	—	13764	—	—	17319	—	—
PMP_L80N_YR9_8	9210	—	—	13455	—	—	17054	—	—
PMP_L80N_YR9_7	9238	—	—	13495	—	—	17080	—	—
PMP_L80N_YR9_6	9252	—	—	13518	—	—	17093	—	—
PMP_L80N_YR9_5	9245	—	—	13518	—	—	17085	—	—
PMP_L80N_YR9_4	9257	—	—	13541	—	—	17096	—	—
PMP_L80N_YR9_3	9275	—	—	13563	—	—	17113	—	—
PMP_L80N_YR9_2	9253	—	—	13546	—	—	17090	—	—
PMP_L80N_YR9_1	9223	—	—	13521	—	—	17059	—	—
PMP_L100N_YR9_3	9032	—	—	13220	—	—	16877	—	—
PMP_L100N_YR9_2	9097	—	—	13310	—	—	16942	—	—
PMP_L100N_YR9_1	9153	—	—	13383	—	—	16997	—	—
LP_YR9_3	9159	—	—	13410	—	—	17002	—	—
LP_YR9_2	8779	—	0	13131	—	—	16603	—	—
LP_YR9_1	9457	—	—	13741	—	—	17295	—	—
TM	8787	0	0	12896	—	—	16624	—	—
CL_13	8901	0	0	12948	—	—	16728	—	—
TCF	8455	0	0	12479	—	—	16275	—	—
PP_S001	8629	0	0	12679	—	—	16456	—	—
PP_S002	8629	5	5	12679	—	—	16456	—	—
PP_S003	8629	0	0	12679	—	—	16456	—	—
PP_S004	8629	9	9	12679	—	—	16456	—	—
PP_S005	8629	9	9	12679	—	—	16456	—	—
PP_S006	8629	0	0	12679	—	—	16456	—	—
PP_S007	8629	0	0	12679	—	—	16456	—	—
PP_S008	8629	0	0	12679	—	—	16456	—	—
PP_S009	8629	0	0	12679	—	—	16456	—	—
PP_S010	8629	0	0	12679	—	—	16456	—	—
PP_S011	8629	3	3	12679	—	—	16456	—	—
PP_S012	8629	0	0	12679	—	—	16456	—	—
PP_S013	8629	0	0	12679	—	—	16456	—	—
PP_S014	8629	0	0	12679	—	—	16456	—	—
PP_S015	8629	1	1	12679	—	—	16456	—	—
PP_S016	8629	0	0	12679	—	—	16456	—	—
PP_S017	8629	0	0	12679	—	—	16456	—	—
PP_S018	8629	0	0	12679	—	—	16456	—	—
PP_S019	8629	0	0	12679	—	—	16456	—	—
PP_S020	8629	0	0	12679	—	—	16456	—	—
PP_S021	8629	0	0	12679	—	—	16456	—	—
PP_S022	8629	1	1	12679	—	—	16456	—	—
PP_S023	8629	1	1	12679	—	—	16456	—	—
PP_S024	8629	0	0	12679	—	—	16456	—	—
PP_S025	8629	0	0	12679	—	—	16456	—	—
PP_S026	8629	1	1	12679	—	—	16456	—	—
PP_S027	8629	0	0	12679	—	—	16456	—	—
PP_S028	8629	0	0	12679	—	—	16456	—	—
PP_S029	8629	0	0	12679	—	—	16456	—	—
PP_S030	8629	0	0	12679	—	—	16456	—	—
PP_S031	8629	0	0	12679	—	—	16456	—	—
PP_S032	8629	1	1	12679	—	—	16456	—	—
PP_S033	8629	0	0	12679	—	—	16456	—	—
PP_S034	8629	0	0	12679	—	—	16456	—	—
PP_S035	8629	0	0	12679	—	—	16456	—	—
PP_S036	8629	0	0	12679	—	—	16456	—	—
PP_S037	8629	0	0	12679	—	—	16456	—	—
PP_S038	8629	0	0	12679	—	—	16456	—	—
PP_S039	8629	0	0	12679	—	—	16456	—	—
PP_S040	8629	0	0	12679	—	—	16456	—	—
PP_S041	8629	0	0	12679	—	—	16456	—	—
PP_S042	8629	0	0	12679	—	—	16456	—	—
PP_S043	8629	0	0	12679	—	—	16456	—	—

Table A2-D: Point of Reception Predicted Individual Source Sound Levels (Year 9)

Source ID	POR17			POR18			POR19		
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)
PP_S044	8629	1	1	12679	—	—	16456	—	—
PP_S045	8629	0	0	12679	—	—	16456	—	—
PP_S046	8629	0	0	12679	—	—	16456	—	—
PP_S047	8629	1	1	12679	—	—	16456	—	—
PP_S048	8629	0	0	12679	—	—	16456	—	—
PP_S049	8629	0	0	12679	—	—	16456	—	—
PP_S050	8629	0	0	12679	—	—	16456	—	—
PP_S051	8629	0	0	12679	—	—	16456	—	—
PP_S052	8629	1	1	12679	—	—	16456	—	—
PP_S053	8629	0	0	12679	—	—	16456	—	—
PP_S054	8629	0	0	12679	—	—	16456	—	—
PP_S055	8629	0	0	12679	—	—	16456	—	—
PP_S056	8629	1	1	12679	—	—	16456	—	—
PP_S057	8629	0	0	12679	—	—	16456	—	—
PP_S058	8629	0	0	12679	—	—	16456	—	—
PP_S059	8629	7	7	12679	—	—	16456	—	—
PP_S060	8629	5	5	12679	—	—	16456	—	—
PP_S061	8629	0	0	12679	—	—	16456	—	—
PP_S062	8629	0	0	12679	—	—	16456	—	—
PP_S063	8629	4	4	12679	—	—	16456	—	—
PP_S064	8629	7	7	12679	—	—	16456	—	—
PP_S065	8629	7	7	12679	—	—	16456	—	—
PP_S066	8629	7	7	12679	—	—	16456	—	—
PP_S067	8629	5	5	12679	—	—	16456	—	—
PP_S068	8629	5	5	12679	—	—	16456	—	—
PP_S069	8629	5	5	12679	—	—	16456	—	—
PP_S070	8629	0	0	12679	—	—	16456	—	—
PP_S071	8629	0	0	12679	—	—	16456	—	—
PP_S072	8629	0	0	12679	—	—	16456	—	—
PP_S073	8629	0	0	12679	—	—	16456	—	—
PP_S074	8629	0	0	12679	—	—	16456	—	—
PP_S075	8629	0	0	12679	—	—	16456	—	—
PP_S076	8629	4	4	12679	—	—	16456	—	—
PP_S077	8629	4	4	12679	—	—	16456	—	—
PP_S078	8629	4	4	12679	—	—	16456	—	—
PP_S079	8629	0	0	12679	—	—	16456	—	—
PP_S080	8629	0	0	12679	—	—	16456	—	—
PP_S081	8629	0	0	12679	—	—	16456	—	—
PP_S082	8629	0	0	12679	—	—	16456	—	—
PP_S083	8629	0	0	12679	—	—	16456	—	—
PP_S084	8629	0	0	12679	—	—	16456	—	—
PP_S085	8629	0	0	12679	—	—	16456	—	—
PP_S086	8629	0	0	12679	—	—	16456	—	—
PP_S087	8629	1	1	12679	—	—	16456	—	—
PP_S088	8629	1	1	12679	—	—	16456	—	—
PP_S089	8629	0	0	12679	—	—	16456	—	—
PP_S090	8629	1	1	12679	—	—	16456	—	—
PP_S091	8629	0	0	12679	—	—	16456	—	—
PP_S092	8629	0	0	12679	—	—	16456	—	—
PP_S093	8629	0	0	12679	—	—	16456	—	—
PP_S094	8629	0	0	12679	—	—	16456	—	—
PP_S095	8629	0	0	12679	—	—	16456	—	—
PP_S096	8629	0	0	12679	—	—	16456	—	—
PP_S097	8629	1	1	12679	—	—	16456	—	—
PP_S098	8629	0	0	12679	—	—	16456	—	—
PP_S099	8629	0	0	12679	—	—	16456	—	—
PP_S100	8629	0	0	12679	—	—	16456	—	—
PP_S101	8629	0	0	12679	—	—	16456	—	—
PP_S102	8629	0	0	12679	—	—	16456	—	—
PP_S103	8629	0	0	12679	—	—	16456	—	—
PP_S104	8629	0	0	12679	—	—	16456	—	—
PP_S105	8629	7	7	12679	—	—	16456	—	—
PP_S106	8629	5	5	12679	—	—	16456	—	—
PP_S107	8629	0	0	12679	—	—	16456	—	—
PP_S108	8629	0	0	12679	—	—	16456	—	—
PP_S109	8629	4	4	12679	—	—	16456	—	—
CR_YR9	6731	7	7	10976	—	—	14576	—	—

Table A2-D: Point of Reception Predicted Individual Source Sound Levels (Year 9)

Source ID	POR17			POR18			POR19		
	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Distance (m)	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)
CL_13M	8670 / 9661	0	0	12645 / 13656	—	—	16478 / 17479	—	—
GD_RM	7624 / 10163	0	0	11976 / 14415	—	—	15454 / 18005	—	—
RCB	7626 / 10175	0	0	11978 / 14423	—	—	15456 / 18016	—	—
RCD	7626 / 10173	0	0	11977 / 14427	—	—	15456 / 18014	—	—
RCL	7626 / 10171	0	0	11977 / 14426	—	—	15457 / 18012	—	—
SWT	7624 / 10163	0	0	11976 / 14415	—	—	15454 / 18004	—	—
ITC_1	7591 / 8351	0	0	11729 / 12400	—	—	15429 / 16176	—	—
ITC_2	7626 / 10164	0	0	11977 / 14416	—	—	15456 / 18005	—	—
LFT	7624 / 10163	0	0	11976 / 14415	—	—	15454 / 18005	—	—
MB_1	7592 / 8351	0	0	11730 / 12400	—	—	15430 / 16176	—	—
MB_2	7624 / 10163	0	0	11976 / 14415	—	—	15454 / 18004	—	—
MCN	7624 / 10163	0	0	11976 / 14415	—	—	15454 / 18005	—	—
MT_1	7593 / 8351	0	0	11732 / 12400	—	—	15431 / 16176	—	—
MT_2	7624 / 10163	0	0	11976 / 14415	—	—	15454 / 18005	—	—
PT_1	7591 / 8351	0	0	11729 / 12400	—	—	15429 / 16176	—	—
PT_2	7624 / 10163	0	0	11976 / 14415	—	—	15454 / 18004	—	—
TTR	7624 / 10163	0	0	11976 / 14415	—	—	15454 / 18005	—	—
WT_1	7592 / 8351	0	0	11730 / 12400	—	—	15430 / 16176	—	—
WT_2	7624 / 10163	0	0	11976 / 14415	—	—	15454 / 18005	—	—
HT_240_YR9_2A	8758 / 9582	0	0	13077 / 13858	—	—	16591 / 17422	—	—
HT_240_YR9_2B	8918 / 9812	0	0	12968 / 13997	—	—	16746 / 17657	—	—
HT_240_YR9_2B	8670 / 9659	0	0	12645 / 13654	—	—	16478 / 17477	—	—
MT_YR9	616 / 8276	26	26	1567 / 12355	22	22	2001 / 16107	15	15
BL_YR9	9359 / 9532	—	—	13645 / 13815	—	—	17197 / 17370	—	—
BT_YR9	9359 / 9534	—	—	13645 / 13817	—	—	17197 / 17372	—	—
GD_PIT_YR9	9359 / 9534	—	—	13646 / 13818	—	—	17197 / 17373	—	—
HSE_YR9	9365 / 9538	—	—	13651 / 13821	—	—	17203 / 17376	—	—
PL_YR9	9359 / 9534	—	—	13645 / 13817	—	—	17197 / 17372	—	—
PSB_YR9	9356 / 9536	—	—	13643 / 13819	—	—	17195 / 17374	—	—
TD_PIT_YR9	9359 / 9534	—	—	13646 / 13818	—	—	17197 / 17373	—	—
COMP_YR9	9923 / 12140	—	—	14299 / 16410	—	—	17734 / 19975	—	—
GD_WSF_YR9	9923 / 12141	—	—	14299 / 16411	—	—	17734 / 19976	—	—
TD_WSF_YR_10	9923 / 12140	—	—	14299 / 16410	—	—	17734 / 19975	—	—
TD_474_YR9	6689 / 6759	7	7	10937 / 11009	—	—	14534 / 14604	—	—
DTR_YR9	6689 / 6759	11	11	10937 / 11009	—	—	14534 / 14604	—	—
BH_YR9	6689 / 6759	5	5	10937 / 11009	—	—	14534 / 14604	—	—

Note: The two numbers (i.e., ##/##) represent minimum and maximum distances for the respective source to the Point of Reception

Table A3-A: Acoustic Assessment Summary - Overall Sound Levels (Year -2)

POR ID	POR Description	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Verified by Acoustic Audit	NPC-300 Daytime Performance Limit (dBA)	NPC-300 Evening/ Nighttime Performance Limit (dBA)	Health Canada Daytime Performance Limit (dBA)	Health Canada Nighttime Performance Limit (dBA)	Compliance with Performance Limit (Yes/No)
POR01	Cabin #13	27	26	No	45	40	55	40	Yes
POR02	Traditional Land Use	35	34	No	n/a	n/a	55	40	Yes
POR03	Fish Harvest	40	37	No	n/a	n/a	55	n/a	Yes
POR04	Fish Harvest	30	30	No	n/a	n/a	55	n/a	Yes
POR05	Fish Harvest	37	36	No	n/a	n/a	55	n/a	Yes
POR06	Fish Harvest	39	35	No	n/a	n/a	55	n/a	Yes
POR07	Cabin	44	20	No	n/a	40	55	40	Yes
POR08	Outpost Camp	32	-	No	n/a	n/a	55	40	Yes
POR09	Traditional Land Use	32	-	No	n/a	n/a	55	40	Yes
POR10	Traditional Land Use	40	-	No	n/a	n/a	55	40	Yes
POR11	Traditional Land Use	31	-	No	n/a	n/a	55	40	Yes
POR12	Traditional Land Use	54	-	No	n/a	n/a	55	40	Yes
POR13	Traditional Land Use	37	-	No	n/a	n/a	55	40	Yes
POR14	Outpost Camp	35	-	No	n/a	n/a	55	40	Yes
POR15	Traditional Land Use	47	-	No	n/a	n/a	55	40	Yes
POR16	Slate Falls Nation Community	48	-	No	n/a	n/a	55	40	Yes
POR17	Traditional Land Use	51	25	No	n/a	40	55	40	Yes
POR18	Traditional Land Use	47	21	No	n/a	40	55	40	Yes
POR19	Traditional Land Use	40	29	No	n/a	40	55	40	Yes
POR20	Traditional Land Use	74	-	No	n/a	n/a	55	40	No
POR21	Traditional Land Use	63	-	No	n/a	n/a	55	40	No

Note: Predicted Year -2 daytime noise levels at POR07, POR17, POR18 and POR19 were primarily influenced by access road construction and transmission line construction and therefore were not compared to MECP NPC-300 daytime sound level limits.

Table A3-B: Acoustic Assessment Summary - Overall Sound Levels (Year -1)

POR ID	POR Description	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Verified by Acoustic Audit	NPC-300 Daytime Performance Limit (dBA)	NPC-300 Evening/ Nighttime Performance Limit (dBA)	Health Canada Daytime Performance Limit (dBA)	Health Canada Nighttime Performance Limit (dBA)	Compliance with Performance Limit (Yes/No)
POR01	Cabin #13	31	31	No	45	40	55	40	Yes
POR02	Traditional Land Use	38	38	No	n/a	n/a	55	40	Yes
POR03	Fish Harvest	40	40	No	n/a	n/a	55	n/a	Yes
POR04	Fish Harvest	36	36	No	n/a	n/a	55	n/a	Yes
POR05	Fish Harvest	42	42	No	n/a	n/a	55	n/a	Yes
POR06	Fish Harvest	38	38	No	n/a	n/a	55	n/a	Yes
POR07	Cabin	12	12	No	45	40	55	40	Yes
POR08	Outpost Camp	-	-	No	n/a	n/a	55	40	Yes
POR09	Traditional Land Use	-	-	No	n/a	n/a	55	40	Yes
POR10	Traditional Land Use	-	-	No	n/a	n/a	55	40	Yes
POR11	Traditional Land Use	-	-	No	n/a	n/a	55	40	Yes
POR12	Traditional Land Use	-	-	No	n/a	n/a	55	40	Yes
POR13	Traditional Land Use	-	-	No	n/a	n/a	55	40	Yes
POR14	Outpost Camp	-	-	No	n/a	n/a	55	40	Yes
POR15	Traditional Land Use	-	-	No	n/a	n/a	55	40	Yes
POR16	Slate Falls Nation Community	-	-	No	n/a	n/a	55	40	Yes
POR17	Traditional Land Use	16	16	No	45	40	55	40	Yes
POR18	Traditional Land Use	-	-	No	n/a	n/a	55	40	Yes
POR19	Traditional Land Use	-	-	No	n/a	n/a	55	40	Yes
POR20	Traditional Land Use	-	-	No	n/a	n/a	55	40	Yes
POR21	Traditional Land Use	-	-	No	n/a	n/a	55	40	Yes

Table A3-C: Acoustic Assessment Summary - Overall Sound Levels (Year 4)

POR ID	POR Description	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Verified by Acoustic Audit	NPC-300 Daytime Performance Limit (dBA)	NPC-300 Evening/ Nighttime Performance Limit (dBA)	Health Canada Daytime Performance Limit (dBA)	Health Canada Nighttime Performance Limit (dBA)	Compliance with Performance Limit (Yes/No)
POR01	Cabin #13	33	33	No	45	40	55	40	Yes
POR02	Traditional Land Use	37	37	No	n/a	n/a	55	40	Yes
POR03	Fish Harvest	43	43	No	n/a	n/a	55	n/a	Yes
POR04	Fish Harvest	36	36	No	n/a	n/a	55	n/a	Yes
POR05	Fish Harvest	43	43	No	n/a	n/a	55	n/a	Yes
POR06	Fish Harvest	41	41	No	n/a	n/a	55	n/a	Yes
POR07	Cabin	20	20	No	45	40	55	40	Yes
POR08	Outpost Camp	-	-	No	n/a	n/a	55	40	Yes
POR09	Traditional Land Use	-	-	No	n/a	n/a	55	40	Yes
POR10	Traditional Land Use	-	-	No	n/a	n/a	55	40	Yes
POR11	Traditional Land Use	-	-	No	n/a	n/a	55	40	Yes
POR12	Traditional Land Use	-	-	No	n/a	n/a	55	40	Yes
POR13	Traditional Land Use	-	-	No	n/a	n/a	55	40	Yes
POR14	Outpost Camp	-	-	No	n/a	n/a	55	40	Yes
POR15	Traditional Land Use	-	-	No	n/a	n/a	55	40	Yes
POR16	Slate Falls Nation Community	-	-	No	n/a	n/a	55	40	Yes
POR17	Traditional Land Use	29	29	No	45	40	55	40	Yes
POR18	Traditional Land Use	22	22	No	45	40	55	40	Yes
POR19	Traditional Land Use	15	15	No	45	40	55	40	Yes
POR20	Traditional Land Use	-	-	No	n/a	n/a	55	40	Yes
POR21	Traditional Land Use	-	-	No	n/a	n/a	55	40	Yes

Table A3-D: Acoustic Assessment Summary - Overall Sound Levels (Year 9)

POR ID	POR Description	Overall Daytime Sound Pressure Level (dBA)	Overall Evening/ Nighttime Sound Pressure Level (dBA)	Verified by Acoustic Audit	NPC-300 Daytime Performance Limit (dBA)	NPC-300 Evening/ Nighttime Performance Limit (dBA)	Health Canada Daytime Performance Limit (dBA)	Health Canada Nighttime Performance Limit (dBA)	Compliance with Performance Limit (Yes/No)
POR01	Cabin #13	30	30	No	45	40	55	40	Yes
POR02	Traditional Land Use	32	32	No	n/a	n/a	55	40	Yes
POR03	Fish Harvest	37	37	No	n/a	n/a	55	n/a	Yes
POR04	Fish Harvest	30	30	No	n/a	n/a	55	n/a	Yes
POR05	Fish Harvest	37	37	No	n/a	n/a	55	n/a	Yes
POR06	Fish Harvest	39	39	No	n/a	n/a	55	n/a	Yes
POR07	Cabin	20	20	No	45	40	55	40	Yes
POR08	Outpost Camp	-	-	No	n/a	n/a	55	40	Yes
POR09	Traditional Land Use	-	-	No	n/a	n/a	55	40	Yes
POR10	Traditional Land Use	-	-	No	n/a	n/a	55	40	Yes
POR11	Traditional Land Use	-	-	No	n/a	n/a	55	40	Yes
POR12	Traditional Land Use	-	-	No	n/a	n/a	55	40	Yes
POR13	Traditional Land Use	-	-	No	n/a	n/a	55	40	Yes
POR14	Outpost Camp	-	-	No	n/a	n/a	55	40	Yes
POR15	Traditional Land Use	-	-	No	n/a	n/a	55	40	Yes
POR16	Slate Falls Nation Community	-	-	No	n/a	n/a	55	40	Yes
POR17	Traditional Land Use	28	28	No	45	40	55	40	Yes
POR18	Traditional Land Use	22	22	No	45	40	55	40	Yes
POR19	Traditional Land Use	15	15	No	45	40	55	40	Yes
POR20	Traditional Land Use	-	-	No	n/a	n/a	55	40	Yes
POR21	Traditional Land Use	-	-	No	n/a	n/a	55	40	Yes

Table A4-A: %HA for Construction (Year -2)

POR	Baseline ^[1]		Project	Combined		%HA Change (%)	Health Canada Criteria (%)	Compliant [Y/N]
	Ldn (dBA)	%HA ^[2] (%)		Ldn (dBA)	%HA ^[2] (%)			
POR01	38	1.7	33	39	1.9	0.3	6.5	Y
POR02	47	5.3	41	48	6.0	0.7	6.5	Y
POR03	47	5.3	44	49	6.6	1.3	6.5	Y
POR04	38	1.7	36	40	2.3	0.6	6.5	Y
POR05	38	1.7	43	44	3.6	1.9	6.5	Y
POR06	38	1.7	42	44	3.5	1.8	6.5	Y
POR07	38	1.7	42	43	3.4	1.7	6.5	Y
POR08	38	1.7	30	39	1.8	0.1	6.5	Y
POR09	38	1.7	30	39	1.8	0.2	6.5	Y
POR10	38	1.7	37	41	2.4	0.7	6.5	Y
POR11	38	1.7	29	39	1.8	0.1	6.5	Y
POR12	38	1.7	52	52	10.3	8.6	6.5	N
POR13	38	1.7	35	40	2.1	0.4	6.5	Y
POR14	38	1.7	33	39	2.0	0.3	6.5	Y
POR15	38	1.7	45	46	4.4	2.7	6.5	Y
POR16	38	1.7	46	47	5.2	3.5	6.5	Y
POR17	38	1.7	49	49	7.1	5.4	6.5	Y
POR18	38	1.7	45	46	4.6	3.0	6.5	Y
POR19	38	1.7	40	42	2.8	1.1	6.5	Y
POR20	38	1.7	72	72	60.0	58.3	6.5	N
POR21	38	1.7	61	61	25.8	24.1	6.5	N

Note 1: Arithmetic average of day-night sound levels measured during leaves-off and leaves-on programs.

Note 2: Due to the remote nature of the Project PORs, a 10 dB correction was added to the baseline and Project noise levels for use in the %HA equation, as per the Health Canada Noise Guideline.

Table A4-B: %HA for Pre-Production (Year -1)

POR	Baseline ^[1]		Project	Combined		%HA Change (%)	Health Canada Criteria (%)	Compliant [Y/N]
	Ldn (dBA)	%HA ^[2] (%)		Ldn (dBA)	%HA ^[2] (%)			
POR01	38	1.7	38	41	2.5	0.8	6.5	Y
POR02	47	5.3	44	49	6.6	1.3	6.5	Y
POR03	47	1.7	46	47	5.3	3.6	6.5	Y
POR04	38	1.7	42	44	3.5	1.9	6.5	Y
POR05	38	1.7	49	49	7.0	5.4	6.5	Y
POR06	38	1.7	44	45	4.1	2.4	6.5	Y
POR07	38	1.7	19	38	1.7	0.0	6.5	Y
POR08	38	1.7	-	-	-	-	6.5	-
POR09	38	1.7	-	-	-	-	6.5	-
POR10	38	1.7	-	-	-	-	6.5	-
POR11	38	1.7	-	-	-	-	6.5	-
POR12	38	1.7	-	-	-	-	6.5	-
POR13	38	1.7	-	-	-	-	6.5	-
POR14	38	1.7	-	-	-	-	6.5	-
POR15	38	1.7	-	-	-	-	6.5	-
POR16	38	1.7	-	-	-	-	6.5	-
POR17	38	1.7	22	38	1.7	0.0	6.5	Y
POR18	38	1.7	-	-	-	-	6.5	-
POR19	38	1.7	-	-	-	-	6.5	-
POR20	38	1.7	-	-	-	-	6.5	-
POR21	38	1.7	-	-	-	-	6.5	-

Note 1: Arithmetic average of day-night sound levels measured during leaves-off and leaves-on programs.

Note 2: Due to the remote nature of the Project PORs, a 10 dB correction was added to the baseline and Project noise levels for use in the %HA equation, as per the Health Canada Noise Guideline.

Table A4-C: %HA for Peak-Production (Year 4)

POR	Baseline ^[1]		Project	Combined		%HA Change (%)	Health Canada Criteria (%)	Compliant [Y/N]
	Ldn (dBA)	%HA ^[2] (%)		Ldn (dBA)	%HA ^[2] (%)			
POR01	38	1.7	39	42	2.7	1.0	6.5	Y
POR02	47	5.3	43	49	6.5	1.1	6.5	Y
POR03	47	1.7	49	49	7.1	5.4	6.5	Y
POR04	38	1.7	43	44	3.6	2.0	6.5	Y
POR05	38	1.7	49	49	7.1	5.4	6.5	Y
POR06	38	1.7	47	48	5.8	4.1	6.5	Y
POR07	38	1.7	27	38	1.8	0.1	6.5	Y
POR08	38	1.7	-	-	-	-	6.5	-
POR09	38	1.7	-	-	-	-	6.5	-
POR10	38	1.7	-	-	-	-	6.5	-
POR11	38	1.7	-	-	-	-	6.5	-
POR12	38	1.7	-	-	-	-	6.5	-
POR13	38	1.7	-	-	-	-	6.5	-
POR14	38	1.7	-	-	-	-	6.5	-
POR15	38	1.7	-	-	-	-	6.5	-
POR16	38	1.7	-	-	-	-	6.5	-
POR17	38	1.7	35	40	2.2	0.5	6.5	Y
POR18	38	1.7	29	38	1.8	0.1	6.5	Y
POR19	38	1.7	21	38	1.7	0.0	6.5	Y
POR20	38	1.7	-	-	-	-	6.5	-
POR21	38	1.7	-	-	-	-	6.5	-

Note 1: Arithmetic average of day-night sound levels measured during leaves-off and leaves-on programs.

Note 2: Due to the remote nature of the Project PORs, a 10 dB correction was added to the baseline and Project noise levels for use in the %HA equation, as per the Health Canada Noise Guideline.

Table A4-D: %HA for Stockpile Reclaim (Year 9)

POR	Baseline ^[1]		Project	Combined		%HA Change (%)	Health Canada Criteria (%)	Compliant [Y/N]
	Ldn (dBA)	%HA ^[2] (%)		Ldn (dBA)	%HA ^[2] (%)			
POR01	38	1.7	36	40	2.2	0.6	6.5	Y
POR02	47	5.3	38	48	5.7	0.4	6.5	Y
POR03	47	1.7	43	44	3.9	2.2	6.5	Y
POR04	38	1.7	36	40	2.2	0.5	6.5	Y
POR05	38	1.7	43	44	3.7	2.1	6.5	Y
POR06	38	1.7	46	46	4.8	3.1	6.5	Y
POR07	38	1.7	27	38	1.8	0.1	6.5	Y
POR08	38	1.7	-	-	-	-	6.5	-
POR09	38	1.7	-	-	-	-	6.5	-
POR10	38	1.7	-	-	-	-	6.5	-
POR11	38	1.7	-	-	-	-	6.5	-
POR12	38	1.7	-	-	-	-	6.5	-
POR13	38	1.7	-	-	-	-	6.5	-
POR14	38	1.7	-	-	-	-	6.5	-
POR15	38	1.7	-	-	-	-	6.5	-
POR16	38	1.7	-	-	-	-	6.5	-
POR17	38	1.7	34	39	2.0	0.3	6.5	Y
POR18	38	1.7	29	38	1.8	0.1	6.5	Y
POR19	38	1.7	21	38	1.7	0.0	6.5	Y
POR20	38	1.7	-	-	-	-	6.5	-
POR21	38	1.7	-	-	-	-	6.5	-

Note 1: Arithmetic average of day-night sound levels measured during leaves-off and leaves-on programs.

Note 2: Due to the remote nature of the Project PORs, a 10 dB correction was added to the baseline and Project noise levels for use in the %HA equation, as per the Health Canada Noise Guideline.

Attachment B
Zoning Map of the Site and Surrounding
Area

CROWN LAND USE POLICY ATLAS



Legend

Primary Land Use Area

- Conservation Reserve
- Enhanced Management Area
- Forest Reserve
- General Use Area
- Protected Area - Far North
- Provincial Park
- Provincial Wildlife Area
- Recommended Conservation Reserve
- Recommended Provincial Park
- Wilderness Area

- Overlay Area
- Amendments in Progress

Thematic Data

- Private Land
- National Park
- Indian Reserve
- Other Federal Land
- MNR EcoDistrict
- MNR District
- MNR Region
- Forest Management Unit
- Geographic Township
- Niagara Escarpment Plan Boundary
- Provincial Park Admin Zone
- Tertiary Watershed
- Caribou Range Boundary
- Renewable Energy on Crown Land Policy
- Far North Boundary

This map should not be relied on as a precise indicator of routes or locations, nor as a guide to navigation. The Ontario Ministry of Natural Resources and Forestry (OMNRF) shall not be liable in any way for the use or any information on this map. of, or reliance upon, this map



9.2 0 9.2 Kilometers

Scale: 1: 180,416



Map created: August 20, 2021

Attachment C

Technical Terms and Acoustical Descriptors

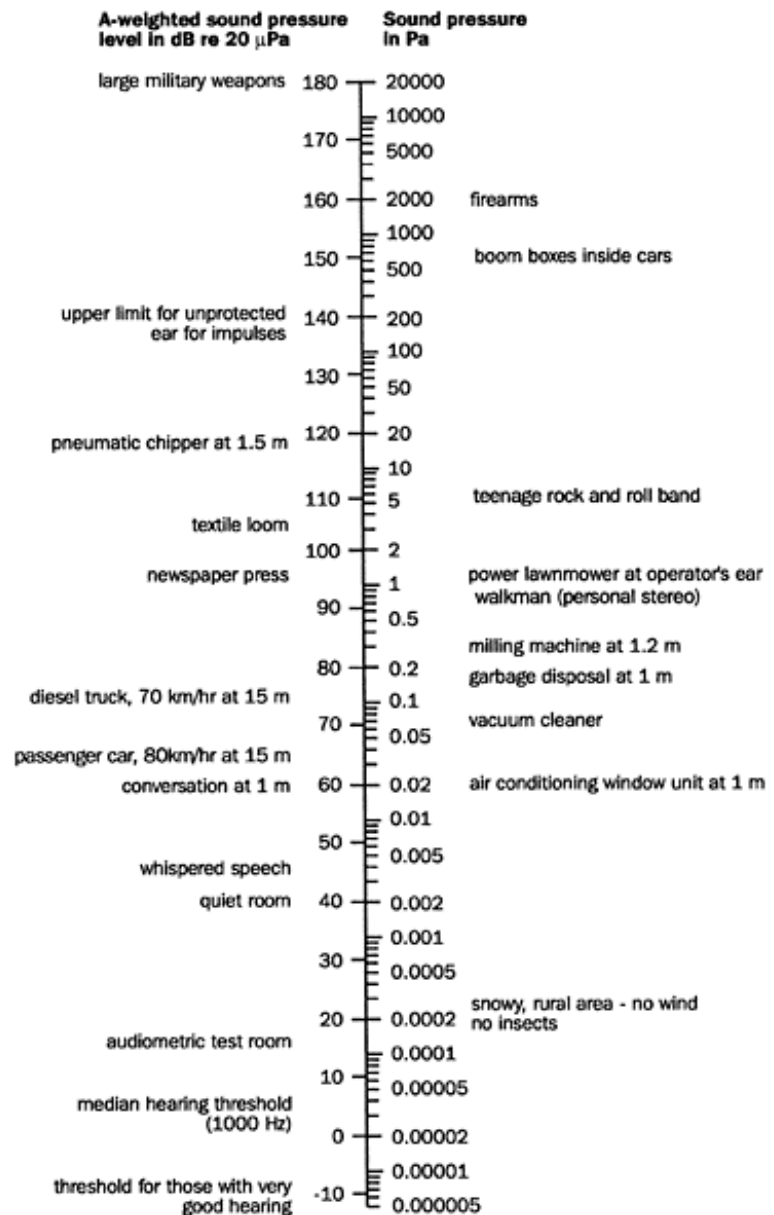
Technical Terms and Acoustical Descriptors

<i>Frequency</i>	Typically the rate in Hertz (Hz) - previously denoted cycles per second, at which an event is repeated. <i>Normal human hearing extends over a range of frequencies from about 15 Hz to about 15 kHz.</i>
<i>A-Weighting Network</i>	A frequency-response adjustment of a sound level meter that makes its reading conform to human response. The sensitivity of the human ear is frequency dependent. At low and high frequencies, the ear is not very sensitive, but between 500 Hz and 6 kHz the ear is very sensitive. The A-weighting filter is a broadband filter that covers the interval from 20 Hz to 20 kHz. The shape of the A-weighting curve approximates the frequency sensitivity of the human ear. So the A-weighted value of a noise source is an approximation to how the human ear perceives the noise. Written as dB(A) or dBA.
<i>Z-Weighting Network</i>	Z for 'Zero' frequency weighting, which implies no frequency weighting. In reality the range is 10 Hz to 20 kHz ± 1.5 dB. Introduced (IEC 61672 2003) to replace the Flat or Linear Filters. Written as dB(Z) or dBZ
<i>Exponential Averaging</i>	Generates a continuous running average where the most recently sampled levels have more influence on the average than older samples. This provides a convenient form to examine rapidly changing data with the benefit of some averaging to smooth the spectra.
<i>Time Constants or Time Weightings</i>	Time constants used for exponential averaging. Three time constants can be used and are defined as: • Fast "F" time constant corresponds to 125 ms; • Slow "S" time constant corresponds to 1s; and • Impulse "I" time constant corresponding to 35 ms while the signal level is increasing and 1,500 ms while the signal level is decreasing.

Sound Pressure Level (SPL)

A measurement of instantaneous sound pressure and equal to 20 times the logarithm (base 10) of the ratio of the instantaneous sound pressure of a sound divided by the reference sound pressure of 20 μPa (0 dB). Reported and measured in decibels (dB or dBA).

Comprehension for the relation between subjective loudness and sound pressure level may be gained by reference to the figure and table below. (Source: David A. Bies and Colin H. Hansen, *Engineering Noise Control Theory and Practice*, Third Edition)



Sound pressure level (dB re 20 µPa)	Description of sound source	Typical subjective description
140	Moon launch at 100 m; artillery fire, gunner's position	Intolerable
120	Ship's engine room; rock concert, in front and close to speakers	
100	Textile mill; press room with presses running; punch press and wood planers, at operator's position	Very noisy
80	Next to busy highway, shouting	Noisy
60	Department store, restaurant, speech levels	
40	Quiet residential neighbourhood, ambient level	Quiet
20	Recording studio, ambient level	Very Quiet
0	Threshold of hearing for normal young people	

$L_{x\text{eq}}(T)$ – “Equivalent continuous sound level with a frequency weighting, x”

The equivalent continuous sound level (also called time-average sound level), $L_{x\text{eq}}(T)$, is defined as twenty times the logarithm to base ten of the ratio of a root-mean-square sound pressure during a time interval (T) to the reference sound pressure, sound pressure being obtained with a frequency weighting, x.

x can be replaced by:

- A for A-weighted;
- B for B-weighted;
- C for C-weighted; or
- Z for Z-weighted.

$L_{xy\max}(T)$ – “Maximum sound level, with a frequency weighting, x, and with a time-weighting, y”

The maximum time-weighted sound level, $L_{xy\max}(T)$, is defined as the greatest time-weighted sound level, $L_{xy}(t)$, within a measurement interval (T).

x can be replaced by:

- A for A-weighted;
- B for B-weighted;
- C for C-weighted; or
- Z for Z-weighted.

y can be replaced by:

- S for slow time weighting, or
- F for fast time weighting.

$L_{xy\min}(T)$ – “Minimum sound level, with a frequency weighting, x, and with a time-weighting, y”

The minimum time-weighted sound level, $L_{xy\min}(T)$, is defined as the smallest time-weighted sound level, $L_{xy}(t)$, within a measurement interval (T).

x can be replaced by:

- A for A-weighted,
- B for B-weighted,
- C for C-weighted, or
- Z for Z-weighted.

y can be replaced by:

- S for slow time weighting, or
- F for fast time weighting.

L_{xyN} – “Nth Exceedance level, with a frequency weighting, x, and with a time-weighting, y”

Is the sound pressure level which is exceeded N percent of the measurement time. The sound pressure being obtained with a frequency weighting, x and a time-weighting, y.

x can be replaced by:

- A for A-weighted;
- B for B-weighted;
- C for C-weighted; or
- Z for Z-weighted.

y can be replaced by:

- S for slow time weighting, or
 - F for fast time weighting.
-

where N is between 0.1 to 99.9

$L_{xpeak}(T)$ – “Peak sound level”	The peak sound level, $L_{xpeak}(T)$, is defined as twenty times the logarithm to base ten of the ratio of the greatest absolute instantaneous sound pressure, $p_x(t)$, instantaneous sound pressure being obtained with a frequency weighting, x x can be replaced by: • A for A-weighted; • B for B-weighted; • C for C-weighted; or • Z for Z-weighted.
<i>Octave Band</i>	A band of frequencies where the upper limiting frequency is twice the lower limiting frequency. <i>Octave bands are identified by their centre-frequencies. The octave bands standardized for acoustic measurements include those centered at 31.5, 63, 125, 250, 500, 1000, 2000, 4000, & 8000 Hz.</i>
<i>1/N Octave Band</i>	A band of frequencies integrally divided from an Octave Band. The u.l.f. equals $2^{1/N}$ times the l.l.f. <i>The most commonly used frequency band is the 1/3 octave band.</i>

Attachment D
Key Parameters Included in the Model and
Sample Calculations

Key Parameters Included in the Noise Model

Parameter	Value	Rationale
Ground Absorption	0 – waterbodies 0.5 – Project footprint 1 – elsewhere	Area surrounding the Project is either acoustically hard (water) or acoustically soft (e.g., grass) Area within the Project footprint is expected to be a combination of acoustically hard and soft surfaces
Temperature	10°C	Typical modelling input
Relative Humidity	70%	Typical modelling input
Max Order of Reflection	1	Accounts for building reflections

Receiver
Name: POR05
ID: POR05
X: 547428.00 m
Y: 5696234.00 m
Z: 396.50 m

Point Source, ISO 9613, Name: "PRODUCTION DRILL 1 - 140mm - PIT PHASE 2 (YR 4)", ID: "I000200!PD_140_YR4_1"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
1	549213.89	5693828.77	139.00	0	DEN	A	127.7	0.0	0.0	0.0	0.0	80.6	7.9	-2.7	0.0	0.0	24.8	0.0	0.0	17.2

Point Source, ISO 9613, Name: "PRODUCTION DRILL 2 - 140mm - PIT PHASE 3 (YR 4)", ID: "I000200!PD_140_YR4_2"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
2	549786.81	5693134.43	343.71	0	DEN	A	127.7	0.0	0.0	0.0	0.0	82.8	8.8	-2.4	0.0	0.0	4.8	0.0	0.0	33.7

Point Source, ISO 9613, Name: "Rock Breaker", ID: "Ph1_611_RB_01"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
3	550685.43	5694588.37	428.74	0	DEN	A	122.7	0.0	0.0	0.0	0.0	82.2	11.6	-3.6	0.0	0.0	4.8	0.0	0.0	27.6

Point Source, ISO 9613, Name: "Primary Gyratory Crusher", ID: "Ph1_611_CR_01"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
4	550685.43	5694588.37	424.74	0	DEN	A	121.8	0.0	0.0	0.0	0.0	82.2	10.8	-3.6	0.0	0.0	4.8	0.0	0.0	27.6

Line Source, ISO 9613, Name: "HAULAGE TRUCK 240mt MOVEMENT 2A (PIT) (YR 4)", ID: "I0102!HT_240_YR4_2A"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
5	549171.71	5693693.76	249.35	0	DEN	A	93.9	24.3	0.0	0.0	0.0	80.8	7.9	-3.5	0.0	0.0	15.9	0.0	0.0	17.0
11	549402.01	5693511.31	278.84	0	DEN	A	93.9	22.3	0.0	0.0	0.0	81.5	8.4	-3.4	0.0	0.0	5.7	0.0	0.0	24.0
17	549741.59	5693387.68	313.17	0	DEN	A	93.9	21.5	0.0	0.0	0.0	82.3	8.8	-2.9	0.0	0.0	4.8	0.0	0.0	22.4
20	549531.72	5693452.15	292.60	0	DEN	A	93.9	20.7	0.0	0.0	0.0	81.9	8.5	-3.3	0.0	0.0	4.9	0.0	0.0	22.5
25	549718.66	5693809.15	345.01	0	DEN	A	93.9	19.6	0.0	0.0	0.0	81.5	8.3	-2.7	0.0	0.0	4.8	0.0	0.0	21.6
26	549287.19	5693565.44	266.44	0	DEN	A	93.9	19.3	0.0	0.0	0.0	81.3	8.2	-3.4	0.0	0.0	8.9	0.0	0.0	18.3
29	549761.55	5693663.46	344.64	0	DEN	A	93.9	19.3	0.0	0.0	0.0	81.8	8.5	-2.7	0.0	0.0	4.8	0.0	0.0	20.7
36	549747.32	5693736.69	344.87	0	DEN	A	93.9	18.1	0.0	0.0	0.0	81.7	8.4	-2.7	0.0	0.0	4.8	0.0	0.0	19.8
38	549791.85	5693589.62	341.43	0	DEN	A	93.9	18.0	0.0	0.0	0.0	82.0	8.6	-2.7	0.0	0.0	4.8	0.0	0.0	19.2
42	549609.24	5693415.04	300.75	0	DEN	A	93.9	17.5	0.0	0.0	0.0	82.0	8.6	-3.2	0.0	0.0	4.8	0.0	0.0	19.1
48	549838.76	5693519.50	333.86	0	DEN	A	93.9	16.7	0.0	0.0	0.0	82.2	8.7	-2.7	0.0	0.0	4.8	0.0	0.0	17.6
53	549653.38	5693396.74	304.96	0	DEN	A	93.9	16.0	0.0	0.0	0.0	82.1	8.7	-3.1	0.0	0.0	4.8	0.0	0.0	17.3
54	549866.82	5693463.33	329.34	0	DEN	A	93.9	15.7	0.0	0.0	0.0	82.3	8.8	-2.7	0.0	0.0	4.8	0.0	0.0	16.3
56	549830.08	5693387.77	321.47	0	DEN	A	93.9	15.7	0.0	0.0	0.0	82.4	8.8	-2.8	0.0	0.0	4.8	0.0	0.0	16.4
58	549870.53	5693429.99	326.08	0	DEN	A	93.9	15.3	0.0	0.0	0.0	82.4	8.8	-2.7	0.0	0.0	4.8	0.0	0.0	15.8
60	549818.20	5693551.69	336.93	0	DEN	A	93.9	14.7	0.0	0.0	0.0	82.1	8.7	-2.7	0.0	0.0	4.8	0.0	0.0	15.7
65	549857.85	5693401.47	324.00	0	DEN	A	93.9	14.8	0.0	0.0	0.0	82.4	8.9	-2.8	0.0	0.0	4.8	0.0	0.0	15.4
149	549853.93	5693493.79	331.68	0	DEN	A	93.9	11.0	0.0	0.0	0.0	82.3	8.8	-2.7	0.0	0.0	4.8	0.0	0.0	11.8
194	549770.94	5693618.60	344.50	0	DEN	A	93.9	9.2	0.0	0.0	0.0	81.9	8.6	-2.7	0.0	0.0	4.8	0.0	0.0	10.5

Point Source, ISO 9613, Name: "PRODUCTION DRILL 1 - 251mm - PIT PHASE 2 (YR 4)", ID: "I000200!PD_251_YR4_1"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
7	549319.98	5693753.36	139.80	0	DEN	A	117.6	0.0	0.0	0.0	0.0	80.9	3.3	-2.9	0.0	0.0	20.4	0.0	0.0	15.9

Line Source, ISO 9613, Name: "HAULAGE TRUCK 240mt MOVEMENT 1B (PIT-CDF) (YR 4)", ID: "I0102!HT_240_YR4_1B"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
8	547257.60	5693399.42	488.50	0	DEN	A	84.3	27.6	0.0	0.0	0.0	80.1	7.6	-3.3	0.0	0.0	4.8	0.0	0.0	22.8
9	547625.41	5692957.53	488.50	0	DEN	A	84.3	27.6	0.0	0.0	0.0	81.3	8.2	-3.3	0.0	0.0	4.8	0.0	0.0	20.9
21	548288.44	5692963.70	489.50	0	DEN	A	84.3	29.8	0.0	0.0	0.0	81.6	8.4	-3.5	0.0	0.0	4.8	0.0	0.0	22.9
47	548624.77	5693354.91	488.50	0	DEN	A	84.3	24.9	0.0	0.0	0.0	80.9	8.0	-3.5	0.0	0.0	0.0	0.0	0.0	23.8
93	549571.59	5693959.00	345.28	0	DEN	A	84.3	21.6	0.0	0.0	0.0	80.9	8.0	-2.7	0.0	0.0	6.1	0.0	0.0	13.6

Line Source, ISO 9613, Name: "HAULAGE TRUCK 240mt MOVEMENT 1B (PIT-CDF) (YR 4)", ID: "!0102!HT_240_YR4_1B"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
108	548809.09	5694179.12	402.09	0	DEN	A	84.3	19.2	0.0	0.0	0.0	78.9	7.0	-4.0	0.0	0.0	4.8	0.0	0.0	16.9
111	549367.49	5694124.24	364.57	0	DEN	A	84.3	20.0	0.0	0.0	0.0	80.1	7.6	-2.7	0.0	0.0	6.9	0.0	0.0	12.3
114	548579.67	5693613.75	445.58	0	DEN	A	84.3	19.8	0.0	0.0	0.0	80.1	7.6	-3.4	0.0	0.0	0.0	0.0	0.0	19.8
120	549444.46	5694073.33	355.30	0	DEN	A	84.3	19.4	0.0	0.0	0.0	80.4	7.7	-2.7	0.0	0.0	7.0	0.0	0.0	11.2
130	548946.34	5694341.22	406.55	0	DEN	A	84.3	17.7	0.0	0.0	0.0	78.7	6.9	-2.7	0.0	0.0	4.8	0.0	0.0	14.3
133	548874.00	5694303.19	405.00	0	DEN	A	84.3	17.6	0.0	0.0	0.0	78.6	6.9	-3.6	0.0	0.0	4.8	0.0	0.0	15.3
144	549657.77	5693879.31	345.05	0	DEN	A	84.3	19.5	0.0	0.0	0.0	81.2	8.2	-2.7	0.0	0.0	5.0	0.0	0.0	12.1
148	549038.37	5694329.35	401.88	0	DEN	A	84.3	17.2	0.0	0.0	0.0	78.9	7.0	-2.4	0.0	0.0	4.8	0.0	0.0	13.2
153	548552.20	5693542.99	476.69	0	DEN	A	84.3	18.4	0.0	0.0	0.0	80.3	7.7	-3.5	0.0	0.0	0.0	0.0	0.0	18.2
154	549086.64	5694310.48	396.68	0	DEN	A	84.3	17.1	0.0	0.0	0.0	79.1	7.1	-2.3	0.0	0.0	6.6	0.0	0.0	11.1
156	548660.35	5693735.32	406.26	0	DEN	A	84.3	17.9	0.0	0.0	0.0	79.9	7.5	-2.2	0.0	0.0	4.7	0.0	0.0	12.3
161	549215.78	5694232.45	382.50	0	DEN	A	84.3	17.4	0.0	0.0	0.0	79.6	7.3	-2.7	0.0	0.0	7.4	0.0	0.0	10.1
169	549256.95	5694197.47	377.84	0	DEN	A	84.3	17.3	0.0	0.0	0.0	79.7	7.4	-2.7	0.0	0.0	6.9	0.0	0.0	10.3
198	548771.02	5693986.83	406.50	0	DEN	A	84.3	16.0	0.0	0.0	0.0	79.4	7.2	-3.0	0.0	0.0	0.0	0.0	0.0	16.7
215	548768.10	5694024.60	408.00	0	DEN	A	84.3	15.6	0.0	0.0	0.0	79.2	7.2	-3.0	0.0	0.0	0.0	0.0	0.0	16.5
221	548833.57	5694235.05	402.35	0	DEN	A	84.3	14.9	0.0	0.0	0.0	78.8	6.9	-2.9	0.0	0.0	4.8	0.0	0.0	11.7
226	548610.68	5693667.70	417.69	0	DEN	A	84.3	16.1	0.0	0.0	0.0	80.0	7.5	-3.3	0.0	0.0	4.8	0.0	0.0	11.4
243	548765.59	5694057.06	409.50	0	DEN	A	84.3	14.7	0.0	0.0	0.0	79.1	7.1	-2.9	0.0	0.0	0.0	0.0	0.0	15.6
245	548631.86	5693696.52	408.05	0	DEN	A	84.3	15.4	0.0	0.0	0.0	80.0	7.5	-3.2	0.0	0.0	4.8	0.0	0.0	10.7
259	548842.85	5694260.06	402.52	0	DEN	A	84.3	13.8	0.0	0.0	0.0	78.7	6.9	-3.4	0.0	0.0	4.8	0.0	0.0	11.2
267	548773.84	5693929.83	398.50	0	DEN	A	84.3	14.5	0.0	0.0	0.0	79.5	7.3	-2.9	0.0	0.0	4.8	0.0	0.0	10.2
295	548763.58	5694083.08	408.99	0	DEN	A	84.3	13.6	0.0	0.0	0.0	79.1	7.1	-2.8	0.0	0.0	0.0	0.0	0.0	14.6
301	548899.39	5694331.87	406.00	0	DEN	A	84.3	13.0	0.0	0.0	0.0	78.6	6.9	-3.6	0.0	0.0	4.8	0.0	0.0	10.7
309	548541.67	5693497.43	488.50	0	DEN	A	84.3	14.6	0.0	0.0	0.0	80.4	7.7	-3.5	0.0	0.0	0.0	0.0	0.0	14.3
323	548766.40	5694103.01	408.96	0	DEN	A	84.3	12.7	0.0	0.0	0.0	79.0	7.0	-2.7	0.0	0.0	0.0	0.0	0.0	13.7
327	548783.08	5694136.43	404.24	0	DEN	A	84.3	12.5	0.0	0.0	0.0	78.9	7.0	-4.7	0.0	0.0	0.0	0.0	0.0	15.5
394	548775.35	5694122.35	405.24	0	DEN	A	84.3	11.6	0.0	0.0	0.0	79.0	7.0	-3.5	0.0	0.0	0.0	0.0	0.0	13.4

Point Source, ISO 9613, Name: "PRODUCTION DRILL 2 - 251mm - PIT PHASE 3 (YR 4)", ID: "!000200!PD_251_YR4_2"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
10	549664.54	5693117.83	343.68	0	DEN	A	117.6	0.0	0.0	0.0	0.0	82.7	3.8	-3.0	0.0	0.0	4.8	0.0	0.0	29.3

Point Source, ISO 9613, Name: "PRODUCTION DRILL 3 - 251mm - PIT PHASE 3 (YR 4)", ID: "!000200!PD_251_YR4_3"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
13	549912.13	5693158.05	343.72	0	DEN	A	117.6	0.0	0.0	0.0	0.0	82.9	3.9	-2.7	0.0	0.0	4.8	0.0	0.0	28.7

Line Source, ISO 9613, Name: "HAULAGE TRUCK 240mt MOVEMENT 1B (PIT-WDAM) (YR 4)", ID: "!0102!HT_240_YR4_1B"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
14	547762.84	5694317.87	488.50	0	DEN	A	83.1	27.3	0.0	0.0	0.0	76.8	6.0	-3.8	0.0	0.0	0.0	0.0	0.0	31.3
15	547372.81	5694550.68	488.50	0	DEN	A	83.1	25.9	0.0	0.0	0.0	75.5	5.5	-3.5	0.0	0.0	0.0	0.0	0.0	31.5
27	547101.20	5694659.26	488.50	0	DEN	A	83.1	23.4	0.0	0.0	0.0	75.1	5.3	-3.5	0.0	0.0	0.0	0.0	0.0	29.5
30	548298.24	5693877.01	488.50	0	DEN	A	83.1	26.5	0.0	0.0	0.0	79.0	7.0	-3.8	0.0	0.0	0.0	0.0	0.0	27.3
43	548096.72	5694143.93	488.50	0	DEN	A	83.1	23.6	0.0	0.0	0.0	77.8	6.5	-3.9	0.0	0.0	0.0	0.0	0.0	26.3
115	549571.20	5693959.26	345.28	0	DEN	A	83.1	21.6	0.0	0.0	0.0	80.9	8.0	-2.7	0.0	0.0	6.1	0.0	0.0	12.4
117	548550.02	5693645.16	449.15	0	DEN	A	83.1	20.5	0.0	0.0	0.0	80.0	7.5	-3.5	0.0	0.0	0.0	0.0	0.0	19.5
118	547218.01	5694693.32	488.50	0	DEN	A	83.1	15.2	0.0	0.0	0.0	74.8	5.2	-3.5	0.0	0.0	0.0	0.0	0.0	21.7
119	548809.09	5694179.12	402.09	0	DEN	A	83.1	19.2	0.0	0.0	0.0	78.9	7.0	-4.0	0.0	0.0	4.8	0.0	0.0	15.6
140	549367.49	5694124.24	364.57	0	DEN	A	83.1	20.0	0.0	0.0	0.0	80.1	7.6	-2.7	0.0	0.0	6.9	0.0	0.0	11.1
142	549096.95	5694305.88	395.56	0	DEN	A	83.1	18.8	0.0	0.0	0.0	79.1	7.1	-2.4	0.0	0.0	6.9	0.0	0.0	11.1
160	548465.82	5693659.01	480.27	0	DEN	A	83.1	18.9	0.0	0.0	0.0	79.9	7.5	-3.6	0.0	0.0	0.0	0.0	0.0	18.2
164	548946.34	5694341.22	406.55	0	DEN	A	83.1	17.7	0.0	0.0	0.0	78.7	6.9	-2.7	0.0	0.0	4.8	0.0	0.0	13.0
165	548874.00	5694303.19	405.00	0	DEN	A	83.1	17.6	0.0	0.0	0.0	78.6	6.9	-3.6	0.0	0.0	4.8	0.0	0.0	14.0
181	549656.94	5693879.64	345.04	0	DEN	A	83.1	19.6	0.0	0.0	0.0	81.2	8.2	-2.7	0.0	0.0	5.0	0.0	0.0	10.9
186	549037.84	5694329.31	401.93	0	DEN	A	83.1	17.1	0.0	0.0	0.0	78.9	7.0	-2.4	0.0	0.0	4.8	0.0	0.0	11.9
205	548662.84	5693735.36	406.23	0	DEN	A	83.1	17.6	0.0	0.0	0.0	79.9	7.5	-2.2	0.0	0.0	4.7	0.0	0.0	10.7
246	548771.02	5693986.83	406.50	0	DEN	A	83.1	16.0	0.0	0.0	0.0	79.4	7.2	-3.0	0.0	0.0	0.0	0.0	0.0	15.5
258	548768.10	5694024.60	408.00	0	DEN	A	83.1	15.6	0.0	0.0	0.0	79.2	7.2	-3.0	0.0	0.0	0.0	0.0	0.0	15.2
268	548833.57	5694235.05	402.35	0	DEN	A	83.1	14.9	0.0	0.0	0.0	78.8	6.9	-2.9	0.0	0.0	4.8	0.0	0.0	10.4
280	548634.33	5693696.01	408.14	0	DEN	A	83.1	16.0	0.0	0.0	0.0	80.0	7.5	-3.2	0.0	0.0	4.8	0.0	0.0	10.0
282	548612.05	5693665.25	417.80	0	DEN	A	83.1	16.0	0.0	0.0	0.0	80.0	7.6	-3.3	0.0	0.0	4.8	0.0	0.0	10.1

Line Source, ISO 9613, Name: "HAULAGE TRUCK 240mt MOVEMENT 1B (PIT-WDAM) (YR 4)", ID: "I0102!HT_240_YR4_1B"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)
305	548765.59	5694057.06	409.50	0	DEN	A	83.1	14.7	0.0	0.0	0.0	79.1	7.1	-2.9	0.0	0.0	0.0	0.0	0.0	14.4
331	548763.58	5694083.08	408.99	0	DEN	A	83.1	13.6	0.0	0.0	0.0	79.1	7.1	-2.8	0.0	0.0	0.0	0.0	0.0	13.3
419	548766.40	5694103.01	408.96	0	DEN	A	83.1	12.7	0.0	0.0	0.0	79.0	7.0	-2.7	0.0	0.0	0.0	0.0	0.0	12.4
430	548783.08	5694136.43	404.24	0	DEN	A	83.1	12.5	0.0	0.0	0.0	78.9	7.0	-4.7	0.0	0.0	0.0	0.0	0.0	14.3
437	548424.78	5693683.23	488.50	0	DEN	A	83.1	12.8	0.0	0.0	0.0	79.8	7.4	-3.7	0.0	0.0	0.0	0.0	0.0	12.4
462	548775.35	5694122.35	405.24	0	DEN	A	83.1	11.6	0.0	0.0	0.0	79.0	7.0	-3.5	0.0	0.0	0.0	0.0	0.0	12.2

Point Source, ISO 9613, Name: "CRANE ROAD MAINTENANCE (YR 4)", ID: "I0002!CR_YR4"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
34	552079.71	5693128.71	408.60	0	DEN	A	116.6	0.0	0.0	0.0	0.0	86.0	15.2	-2.5	0.0	0.0	4.8	0.0	0.0	13.1

Point Source, ISO 9613, Name: "Secondary Cone Crusher", ID: "Ph1_612_CR_01"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
39	550685.43	5694588.37	417.24	0	DEN	A	112.1	0.0	0.0	0.0	0.0	82.2	9.2	-3.8	0.0	0.0	4.8	0.0	0.0	19.7

Point Source, ISO 9613, Name: "HPGR#2", ID: "Ph2_621_CR_51"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
40	550685.43	5694588.37	416.74	0	DEN	A	111.8	0.0	0.0	0.0	0.0	82.2	10.8	-3.8	0.0	0.0	4.8	0.0	0.0	17.7

Point Source, ISO 9613, Name: "HPGR#1", ID: "Ph1_621_CR_01"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
41	550685.43	5694588.37	416.74	0	DEN	A	111.8	0.0	0.0	0.0	0.0	82.2	10.8	-3.8	0.0	0.0	4.8	0.0	0.0	17.7

Point Source, ISO 9613, Name: "TIRE MANIPULATOR", ID: "I0601!TM"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
46	550406.04	5694396.99	396.73	0	DEN	A	110.9	0.0	0.0	0.0	0.0	81.9	8.4	-1.5	0.0	0.0	4.8	0.0	0.0	17.4

Area Source, ISO 9613, Name: "HYDRAULIC SHOVEL 2 MOVEMENT - PIT PHASE 3 (YR 4)", ID: "I0002!HS_YR4_2"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)
49	549764.78	5693224.45	342.89	0	DEN	A	68.9	41.8	0.0	0.0	0.0	82.6	13.4	-2.9	0.0	0.0	4.8	0.0	0.0	12.6
57	549604.74	5693118.07	343.17	0	DEN	A	68.9	40.2	0.0	0.0	0.0	82.6	13.4	-3.0	0.0	0.0	4.8	0.0	0.0	11.2

Line Source, ISO 9613, Name: "HAULAGE TRUCK 240mt MOVEMENT 2B (PIT TO PLANT) (YR 4)", ID: "I0102!HT_240_YR4_2B"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
51	549392.37	5694117.80	362.14	0	DEN	A	84.3	23.5	0.0	0.0	0.0	80.2	7.6	-2.7	0.0	0.0	7.4	0.0	0.0	15.2
98	549640.45	5693900.85	345.10	0	DEN	A	84.3	21.7	0.0	0.0	0.0	81.1	8.1	-2.7	0.0	0.0	5.3	0.0	0.0	14.2
135	549539.61	5694421.06	403.24	0	DEN	A	84.3	18.7	0.0	0.0	0.0	79.9	7.5	-2.1	0.0	0.0	4.8	0.0	0.0	13.1
139	549554.24	5693982.08	345.32	0	DEN	A	84.3	19.5	0.0	0.0	0.0	80.8	8.0	-2.7	0.0	0.0	7.3	0.0	0.0	10.4
141	549334.03	5694416.81	405.29	0	DEN	A	84.3	17.9	0.0	0.0	0.0	79.4	7.2	-3.2	0.0	0.0	4.8	0.0	0.0	14.0
147	550291.81	5694599.81	401.82	0	DEN	A	84.3	19.7	0.0	0.0	0.0	81.4	8.3	-1.9	0.0	0.0	4.7	0.0	0.0	11.6
166	549476.00	5694430.86	402.88	0	DEN	A	84.3	17.4	0.0	0.0	0.0	79.7	7.4	-2.1	0.0	0.0	4.7	0.0	0.0	11.9
183	549285.59	5694397.00	405.22	0	DEN	A	84.3	16.4	0.0	0.0	0.0	79.3	7.2	-2.8	0.0	0.0	4.8	0.0	0.0	12.2
185	549261.85	5694363.77	405.42	0	DEN	A	84.3	16.4	0.0	0.0	0.0	79.4	7.2	-2.1	0.0	0.0	4.8	0.0	0.0	11.5
193	549674.45	5694418.56	402.50	0	DEN	A	84.3	17.0	0.0	0.0	0.0	80.2	7.6	-1.7	0.0	0.0	4.6	0.0	0.0	10.5
202	549785.18	5694437.83	400.28	0	DEN	A	84.3	17.0	0.0	0.0	0.0	80.4	7.8	-1.7	0.0	0.0	4.6	0.0	0.0	10.2
217	549610.72	5694411.73	403.05	0	DEN	A	84.3	16.3	0.0	0.0	0.0	80.1	7.6	-1.8	0.0	0.0	4.7	0.0	0.0	10.1
242	549416.64	5694429.25	403.51	0	DEN	A	84.3	15.1	0.0	0.0	0.0	79.6	7.3	-2.8	0.0	0.0	4.8	0.0	0.0	10.5

Point Source, ISO 9613, Name: "Process Water Pump #1", ID: "Ph1_631_PP_03"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
59	550685.43	5694588.37	407.24	0	DEN	A	108.8	0.0	0.0	0.0	0.0	82.2	10.2	-2.6	0.0	0.0	4.8	0.0	0.0	14.2

Point Source, ISO 9613, Name: "HPGR#2 Recirculation Conveyor", ID: "Ph2_621_CV_52"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
66	550685.43	5694588.37	409.74	0	DEN	A	108.5	0.0	0.0	0.0	0.0	82.2	12.0	-4.0	0.0	0.0	4.8	0.0	0.0	13.5

Area Source, ISO 9613, Name: "TRACK DOZER - WSF (YR 4)", ID: "I0202!TD_WSF_YR4"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
67	548190.94	5693324.17	416.50	0	DEN	A	51.9	50.8	0.0	0.0	0.0	80.6	7.7	-3.8	0.0	0.0	4.8	0.0	0.0	13.4
68	547915.32	5693127.08	416.50	0	DEN	A	51.9	50.8	0.0	0.0	0.0	81.0	8.0	-3.6	0.0	0.0	4.8	0.0	0.0	12.6
109	547282.76	5693875.50	413.17	0	DEN	A	51.9	49.3	0.0	0.0	0.0	78.5	6.3	-3.5	0.0	0.0	5.3	0.0	0.0	14.6
827	547315.37	5694576.16	486.50	0	DEN	A	51.9	35.1	0.0	0.0	0.0	75.4	4.7	-3.6	0.0	0.0	0.0	0.0	0.0	10.4
842	547002.60	5694607.12	486.50	0	DEN	A	51.9	34.9	0.0	0.0	0.0	75.5	4.7	-3.6	0.0	0.0	0.0	0.0	0.0	10.1

Point Source, ISO 9613, Name: "Primary Crusher Discharge Apron Feeder", ID: "Ph1_611_AP_01"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
75	550685.43	5694588.37	407.24	0	DEN	A	107.5	0.0	0.0	0.0	0.0	82.2	12.0	-3.4	0.0	0.0	4.8	0.0	0.0	11.9

Point Source, ISO 9613, Name: "Stockpile Reclaim #1 Apron Feeder", ID: "Ph1_613_FE_01"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
76	550685.43	5694588.37	409.74	0	DEN	A	107.5	0.0	0.0	0.0	0.0	82.2	12.0	-4.0	0.0	0.0	4.8	0.0	0.0	12.5

Point Source, ISO 9613, Name: "HPGR#2 Screen Vibrating Feeder", ID: "Ph2_621_FE_51"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
77	550685.43	5694588.37	409.74	0	DEN	A	107.5	0.0	0.0	0.0	0.0	82.2	12.0	-4.0	0.0	0.0	4.8	0.0	0.0	12.5

Point Source, ISO 9613, Name: "Ball Mill #1 Feed Conveyor", ID: "Ph1_621_CV_01"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
78	550685.43	5694588.37	409.74	0	DEN	A	107.5	0.0	0.0	0.0	0.0	82.2	12.0	-4.0	0.0	0.0	4.8	0.0	0.0	12.5

Point Source, ISO 9613, Name: "HPGR#1 Screen Vibrating Feeder", ID: "Ph1_621_FE_02"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
79	550685.43	5694588.37	409.74	0	DEN	A	107.5	0.0	0.0	0.0	0.0	82.2	12.0	-4.0	0.0	0.0	4.8	0.0	0.0	12.5

Point Source, ISO 9613, Name: "HPGR#1 Screen Vibrating Feeder", ID: "Ph1_621_FE_01"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
80	550685.43	5694588.37	409.74	0	DEN	A	107.5	0.0	0.0	0.0	0.0	82.2	12.0	-4.0	0.0	0.0	4.8	0.0	0.0	12.5

Point Source, ISO 9613, Name: "HPGR #1 Feed Conveyor", ID: "Ph1_613_CV_01"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
81	550685.43	5694588.37	409.74	0	DEN	A	107.5	0.0	0.0	0.0	0.0	82.2	12.0	-4.0	0.0	0.0	4.8	0.0	0.0	12.5

Point Source, ISO 9613, Name: "Secondary Crusher Apron Feeder", ID: "Ph1_612_AP_01"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
82	550685.43	5694588.37	409.74	0	DEN	A	107.5	0.0	0.0	0.0	0.0	82.2	12.0	-4.0	0.0	0.0	4.8	0.0	0.0	12.5

Point Source, ISO 9613, Name: "Primary Crusher Sacrificial Conveyor", ID: "Ph1_611_CV_01"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
83	550685.43	5694588.37	409.74	0	DEN	A	107.5	0.0	0.0	0.0	0.0	82.2	12.0	-4.0	0.0	0.0	4.8	0.0	0.0	12.5

Point Source, ISO 9613, Name: "Secondary Crushing Area Feed Conveyor", ID: "Ph1_611_CV_02"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
84	550685.43	5694588.37	409.74	0	DEN	A	107.5	0.0	0.0	0.0	0.0	82.2	12.0	-4.0	0.0	0.0	4.8	0.0	0.0	12.5

Point Source, ISO 9613, Name: "Secondary Feed Conveyor", ID: "Ph1_612_CV_01"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
85	550685.43	5694588.37	409.74	0	DEN	A	107.5	0.0	0.0	0.0	0.0	82.2	12.0	-4.0	0.0	0.0	4.8	0.0	0.0	12.5

Point Source, ISO 9613, Name: "HPGR#2 Screen Vibrating Feeder", ID: "Ph2_621_FE_52"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
86	550685.43	5694588.37	409.74	0	DEN	A	107.5	0.0	0.0	0.0	0.0	82.2	12.0	-4.0	0.0	0.0	4.8	0.0	0.0	12.5

Point Source, ISO 9613, Name: "Stockpile Reclaim #1 Apron Feeder", ID: "Ph1_613_FE_02"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
87	550685.43	5694588.37	409.74	0	DEN	A	107.5	0.0	0.0	0.0	0.0	82.2	12.0	-4.0	0.0	0.0	4.8	0.0	0.0	12.5

Point Source, ISO 9613, Name: "Ball Mill #2 Feed Conveyor", ID: "Ph2_621_CV_51"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
88	550685.43	5694588.37	409.74	0	DEN	A	107.5	0.0	0.0	0.0	0.0	82.2	12.0	-4.0	0.0	0.0	4.8	0.0	0.0	12.5

Point Source, ISO 9613, Name: "HPGR#1 Recirculation Conveyor", ID: "Ph1_621_CV_02"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
89	550685.43	5694588.37	416.74	0	DEN	A	107.5	0.0	0.0	0.0	0.0	82.2	12.0	-3.8	0.0	0.0	4.8	0.0	0.0	12.3

Point Source, ISO 9613, Name: "Stockpile Reclaim #2 Apron Feeder", ID: "Ph2_613_FE_51"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
90	550685.43	5694588.37	419.74	0	DEN	A	107.5	0.0	0.0	0.0	0.0	82.2	12.0	-3.7	0.0	0.0	4.8	0.0	0.0	12.2

Point Source, ISO 9613, Name: "Stockpile Reclaim #2 Apron Feeder", ID: "Ph2_613_FE_52"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
91	550685.43	5694588.37	419.74	0	DEN	A	107.5	0.0	0.0	0.0	0.0	82.2	12.0	-3.7	0.0	0.0	4.8	0.0	0.0	12.2

Point Source, ISO 9613, Name: "HPGR #2 Feed Conveyor", ID: "Ph2_613_CV_51"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
92	550685.43	5694588.37	419.74	0	DEN	A	107.5	0.0	0.0	0.0	0.0	82.2	12.0	-3.7	0.0	0.0	4.8	0.0	0.0	12.2

Area Source, ISO 9613, Name: "TRACK DOZER 2 - PIT PHASE 3 (YR4)", ID: "I0002!TD_YR4_2"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
101	549764.78	5693224.45	342.89	0	DEN	A	65.4	41.8	0.0	0.0	0.0	82.6	9.3	-3.4	0.0	0.0	4.8	0.0	0.0	14.0
131	549604.74	5693118.07	343.17	0	DEN	A	65.4	40.2	0.0	0.0	0.0	82.6	9.3	-3.6	0.0	0.0	4.8	0.0	0.0	12.6
159	549726.11	5693144.36	343.15	0	DEN	A	65.4	39.1	0.0	0.0	0.0	82.7	9.4	-3.5	0.0	0.0	4.8	0.0	0.0	11.2
179	549685.94	5693133.76	343.15	0	DEN	A	65.4	38.5	0.0	0.0	0.0	82.7	9.3	-3.5	0.0	0.0	4.8	0.0	0.0	10.7

Point Source, ISO 9613, Name: "Generator Intake", ID: "Ph2_Gen_Intk_05"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
103	550685.43	5694588.37	407.24	0	DEN	A	106.9	0.0	0.0	0.0	0.0	82.2	5.1	-3.1	0.0	0.0	4.8	0.0	0.0	18.0

Point Source, ISO 9613, Name: "Generator Intake", ID: "Ph1_Gen_Intk_01"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
104	550685.43	5694588.37	407.24	0	DEN	A	106.9	0.0	0.0	0.0	0.0	82.2	5.1	-3.1	0.0	0.0	4.8	0.0	0.0	18.0

Point Source, ISO 9613, Name: "Generator Intake", ID: "Ph1_Gen_Intk_02"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
105	550685.43	5694588.37	407.24	0	DEN	A	106.9	0.0	0.0	0.0	0.0	82.2	5.1	-3.1	0.0	0.0	4.8	0.0	0.0	18.0

Point Source, ISO 9613, Name: "Generator Intake", ID: "Ph1_Gen_Intk_03"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
106	550685.43	5694588.37	407.24	0	DEN	A	106.9	0.0	0.0	0.0	0.0	82.2	5.1	-3.1	0.0	0.0	4.8	0.0	0.0	18.0

Point Source, ISO 9613, Name: "Generator Intake", ID: "Ph1_Gen_Intk_04"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
107	550685.43	5694588.37	407.24	0	DEN	A	106.9	0.0	0.0	0.0	0.0	82.2	5.1	-3.1	0.0	0.0	4.8	0.0	0.0	18.0

Point Source, ISO 9613, Name: "CRUSHER LOADER ", ID: "I03!CL_13"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
110	550439.79	5694706.00	400.84	0	D	A	110.9	0.0	-3.0	0.0	0.0	81.6	8.2	-2.4	0.0	0.0	4.8	0.0	0.0	15.7
110	550439.79	5694706.00	400.84	0	N	A	110.9	0.0	-3.0	0.0	0.0	81.6	8.2	-2.4	0.0	0.0	4.8	0.0	0.0	15.7

Area Source, ISO 9613, Name: "PRODUCTION LOADER 1B - PIT PHASE 3 (YR4)", ID: "I0002!PL_YR4_1B"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
157	549764.78	5693224.45	342.89	0	D	A	67.7	41.8	-3.0	0.0	0.0	82.6	7.9	-3.1	0.0	0.0	4.8	0.0	0.0	14.4
157	549764.78	5693224.45	342.89	0	N	A	67.7	41.8	-3.0	0.0	0.0	82.6	7.9	-3.1	0.0	0.0	4.8	0.0	0.0	14.4
206	549604.74	5693118.07	343.17	0	D	A	67.7	40.2	-3.0	0.0	0.0	82.6	7.8	-3.2	0.0	0.0	4.8	0.0	0.0	12.9
206	549604.74	5693118.07	343.17	0	N	A	67.7	40.2	-3.0	0.0	0.0	82.6	7.8	-3.2	0.0	0.0	4.8	0.0	0.0	12.9
249	549726.11	5693144.36	343.15	0	D	A	67.7	39.1	-3.0	0.0	0.0	82.7	7.9	-3.2	0.0	0.0	4.8	0.0	0.0	11.6
249	549726.11	5693144.36	343.15	0	N	A	67.7	39.1	-3.0	0.0	0.0	82.7	7.9	-3.2	0.0	0.0	4.8	0.0	0.0	11.6
287	549685.94	5693133.76	343.15	0	D	A	67.7	38.5	-3.0	0.0	0.0	82.7	7.9	-3.2	0.0	0.0	4.8	0.0	0.0	11.1
287	549685.94	5693133.76	343.15	0	N	A	67.7	38.5	-3.0	0.0	0.0	82.7	7.9	-3.2	0.0	0.0	4.8	0.0	0.0	11.1

Area Source, ISO 9613, Name: "BLASTING LOADER 1B MOVEMENT (YR 4)", ID: "I0002!BL_YR4_1B"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
158	549764.78	5693224.45	342.89	0	D	A	67.7	41.8	-3.0	0.0	0.0	82.6	7.9	-3.1	0.0	0.0	4.8	0.0	0.0	14.4
158	549764.78	5693224.45	342.89	0	N	A	67.7	41.8	-3.0	0.0	0.0	82.6	7.9	-3.1	0.0	0.0	4.8	0.0	0.0	14.4
207	549604.74	5693118.07	343.17	0	D	A	67.7	40.2	-3.0	0.0	0.0	82.6	7.8	-3.2	0.0	0.0	4.8	0.0	0.0	12.9
207	549604.74	5693118.07	343.17	0	N	A	67.7	40.2	-3.0	0.0	0.0	82.6	7.8	-3.2	0.0	0.0	4.8	0.0	0.0	12.9
250	549726.11	5693144.36	343.15	0	D	A	67.7	39.1	-3.0	0.0	0.0	82.7	7.9	-3.2	0.0	0.0	4.8	0.0	0.0	11.6
250	549726.11	5693144.36	343.15	0	N	A	67.7	39.1	-3.0	0.0	0.0	82.7	7.9	-3.2	0.0	0.0	4.8	0.0	0.0	11.6
286	549685.94	5693133.76	343.15	0	D	A	67.7	38.5	-3.0	0.0	0.0	82.7	7.9	-3.2	0.0	0.0	4.8	0.0	0.0	11.1
286	549685.94	5693133.76	343.15	0	N	A	67.7	38.5	-3.0	0.0	0.0	82.7	7.9	-3.2	0.0	0.0	4.8	0.0	0.0	11.1

Point Source, ISO 9613, Name: "Generator Discharge", ID: "Ph1_Gen_Disc_02"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
173	550685.43	5694588.37	419.74	0	DEN	A	103.9	0.0	0.0	0.0	0.0	82.2	5.1	-4.2	0.0	0.0	4.8	0.0	0.0	16.1

Point Source, ISO 9613, Name: "Generator Discharge", ID: "Ph2_Gen_Disc_05"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
174	550685.43	5694588.37	419.74	0	DEN	A	103.9	0.0	0.0	0.0	0.0	82.2	5.1	-4.2	0.0	0.0	4.8	0.0	0.0	16.1

Point Source, ISO 9613, Name: "Generator Discharge", ID: "Ph1_Gen_Disc_04"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
175	550685.43	5694588.37	419.74	0	DEN	A	103.9	0.0	0.0	0.0	0.0	82.2	5.1	-4.2	0.0	0.0	4.8	0.0	0.0	16.1

Point Source, ISO 9613, Name: "Generator Discharge", ID: "Ph1_Gen_Disc_03"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
176	550685.43	5694588.37	419.74	0	DEN	A	103.9	0.0	0.0	0.0	0.0	82.2	5.1	-4.2	0.0	0.0	4.8	0.0	0.0	16.1

Point Source, ISO 9613, Name: "Generator Discharge", ID: "Ph1_Gen_Disc_01"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
177	550685.43	5694588.37	419.74	0	DEN	A	103.9	0.0	0.0	0.0	0.0	82.2	5.1	-4.2	0.0	0.0	4.8	0.0	0.0	16.1

Point Source, ISO 9613, Name: "Reclaim #2 Insertable DC Fan", ID: "Ph2_613_FA_51"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
364	550685.43	5694588.37	409.74	0	DEN	A	99.4	0.0	0.0	0.0	0.0	82.2	4.0	-4.0	0.0	0.0	4.8	0.0	0.0	12.3

Point Source, ISO 9613, Name: "Reclaim #2 Insertable DC Fan", ID: "Ph2_613_FA_52"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
365	550685.43	5694588.37	409.74	0	DEN	A	99.4	0.0	0.0	0.0	0.0	82.2	4.0	-4.0	0.0	0.0	4.8	0.0	0.0	12.3

Point Source, ISO 9613, Name: "Grinding #1 Area Scrubber Exhaust Fan", ID: "Ph1_622_FA_01"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
366	550685.43	5694588.37	424.74	0	DEN	A	99.4	0.0	0.0	0.0	0.0	82.2	4.0	-4.1	0.0	0.0	4.8	0.0	0.0	12.5

Point Source, ISO 9613, Name: "Kiln Exhaust Scrubber Fan", ID: "Ph1_652_FA_01"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
367	550685.43	5694588.37	424.74	0	DEN	A	99.4	0.0	0.0	0.0	0.0	82.2	4.0	-4.1	0.0	0.0	4.8	0.0	0.0	12.5

Point Source, ISO 9613, Name: "HPGR#1 Area Scrubber Fan", ID: "Ph1_621_FA_01"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
368	550685.43	5694588.37	424.74	0	DEN	A	99.4	0.0	0.0	0.0	0.0	82.2	4.0	-4.1	0.0	0.0	4.8	0.0	0.0	12.5

Point Source, ISO 9613, Name: "Reclaim #1 Insertable DC Fan", ID: "Ph1_613_FA_02"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
369	550685.43	5694588.37	424.74	0	DEN	A	99.4	0.0	0.0	0.0	0.0	82.2	4.0	-4.1	0.0	0.0	4.8	0.0	0.0	12.5

Point Source, ISO 9613, Name: "Induction Furnace Scrubber Fan", ID: "Ph1_661_FA_02"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
370	550685.43	5694588.37	424.74	0	DEN	A	99.4	0.0	0.0	0.0	0.0	82.2	4.0	-4.1	0.0	0.0	4.8	0.0	0.0	12.5

Point Source, ISO 9613, Name: "HPGR#2 Area Scrubber Fan", ID: "Ph2_621_FA_51"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
371	550685.43	5694588.37	424.74	0	DEN	A	99.4	0.0	0.0	0.0	0.0	82.2	4.0	-4.1	0.0	0.0	4.8	0.0	0.0	12.5

Point Source, ISO 9613, Name: "Grinding #2 Area Scrubber Exhaust Fan", ID: "Ph2_622_FA_51"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
372	550685.43	5694588.37	424.74	0	DEN	A	99.4	0.0	0.0	0.0	0.0	82.2	4.0	-4.1	0.0	0.0	4.8	0.0	0.0	12.5

Point Source, ISO 9613, Name: "Lime Preparation Area Scrubber Fan", ID: "Ph1_684_FA_01"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
373	550685.43	5694588.37	424.74	0	DEN	A	99.4	0.0	0.0	0.0	0.0	82.2	4.0	-4.1	0.0	0.0	4.8	0.0	0.0	12.5

Point Source, ISO 9613, Name: "CuSO4 Preparation Area Exhaust Fan", ID: "Ph1_687_FA_01"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
374	550685.43	5694588.37	424.74	0	DEN	A	99.4	0.0	0.0	0.0	0.0	82.2	4.0	-4.1	0.0	0.0	4.8	0.0	0.0	12.5

Point Source, ISO 9613, Name: "Reclaim #1 Insertable DC Fan", ID: "Ph1_613_FA_01"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
375	550685.43	5694588.37	424.74	0	DEN	A	99.4	0.0	0.0	0.0	0.0	82.2	4.0	-4.1	0.0	0.0	4.8	0.0	0.0	12.5

Point Source, ISO 9613, Name: "Secondary Crushing Area Dust Collector Fan", ID: "Ph1_612_FA_01"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
376	550685.43	5694588.37	424.74	0	DEN	A	99.4	0.0	0.0	0.0	0.0	82.2	4.0	-4.1	0.0	0.0	4.8	0.0	0.0	12.5

Point Source, ISO 9613, Name: "Primary Crushing Area Dust Collector Fan", ID: "Ph1_611_FA_01"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
377	550685.43	5694588.37	434.74	0	DEN	A	99.4	0.0	0.0	0.0	0.0	82.2	4.0	-3.9	0.0	0.0	4.8	0.0	0.0	12.3

Point Source, ISO 9613, Name: "Generator Exhaust", ID: "Ph1_Gen_Exha_01"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
551	550685.43	5694588.37	432.24	0	DEN	A	97.0	0.0	0.0	0.0	0.0	82.2	3.5	-4.1	0.0	0.0	4.8	0.0	0.0	10.6

Point Source, ISO 9613, Name: "Generator Exhaust", ID: "Ph1_Gen_Exha_02"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
552	550685.43	5694588.37	432.24	0	DEN	A	97.0	0.0	0.0	0.0	0.0	82.2	3.5	-4.1	0.0	0.0	4.8	0.0	0.0	10.6

Point Source, ISO 9613, Name: "Generator Exhaust", ID: "Ph1_Gen_Exha_03"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
553	550685.43	5694588.37	432.24	0	DEN	A	97.0	0.0	0.0	0.0	0.0	82.2	3.5	-4.1	0.0	0.0	4.8	0.0	0.0	10.6

Point Source, ISO 9613, Name: "Generator Exhaust", ID: "Ph2_Gen_Exha_05"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
554	550685.43	5694588.37	432.24	0	DEN	A	97.0	0.0	0.0	0.0	0.0	82.2	3.5	-4.1	0.0	0.0	4.8	0.0	0.0	10.6

Point Source, ISO 9613, Name: "Generator Exhaust", ID: "Ph1_Gen_Exha_04"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
555	550685.43	5694588.37	432.24	0	DEN	A	97.0	0.0	0.0	0.0	0.0	82.2	3.5	-4.1	0.0	0.0	4.8	0.0	0.0	10.6