0 (()		application f	
Out of hours work	approval request form	n	
No:	Notification date:	Approval date:	Project:
08	01/02/2023	08/02/2023	RP2J
A. Contact details	Name	Mobile number	Email
Contractor Environmental Site Representative			
Contractor Construction Manager			
Contractor Foreman			
Contractor Project Engineer			
B. Details of work:			
Include a map show Location /	ving location of work ext	tent and nearest sensiting re marked in red on F	
chainages:	area is shown in Ap		- see below. The signage layout and work wn in pink below.

NCA/s:

10,12 and 13

Out of hours work	approval request form
Description of works – also include a brief description of the sequence of activities:	 Signage installation Transport and installation of concrete barriers Fixing of barriers to pavement Linemarking removal and repainting lines.
Machinery/ plant to be used	Activity 1 - Signage: - Vacuum truck - HV's - LV's - Hand Tools. Activity 2 - Barrier Installation: - HV's - Excavator/Franna - LV's - Lighting Towers (Generator in noise calculator with SWL 95). Activity 3. Linemarking: - Water Blaster (Vacumn truck used in the noise calculator with a SWL 117) - HV's - LV's - Hand Tools. Note: all activities in this work area will run separately and will not run concurrently.
Traffic control measures required:	Shoulder/Lane Closures, PTCD's (Potable Traffic Lights), Speed Reductions
Lighting required:	Lighting Towers, Temporary Street Lights
Proposed dates:	12/02/2023 – 5/03/2023 (Sunday to Thursday working week) Start date is pending the following approvals: Consistency Assessment signage installation [8] LIWA 006 Southern and northern interchange set up works. It is proposed to work up to 3 shifts a week for 2 weeks between 8/2 and 19/2, with a 1 week redundancy period between 20/2 and 26/2.
Proposed times:	1800-0600
Justification - why does work need to occur outside of standard construction hours? (attach support information as required)	Due to the constraints around required traffic controls and associated ROL's, the proposed works on and around the Jesmond roundabout are required to be on nightshift. This OOH eliminates a number of safety risks associated with the works.

Out of hours work approval request form C. Risk assessment NML (refer Table NCA₁₀ 3-2 of OOHW P1 - 40 protocol) P2 - 31NCA₁₂ P1 - 41 P2 - 32NCA13 P1 - 54 P2 - 38 no Is the work highly noise intensive? (above 75dB(A) L_{Aeq (15 minute)}) Risk factor The noise predictions for the works have been assessed against the guidance within section category (refer 4.3 of the Out of Hours Works Protocol. The most affected receivers are shown on Figure 1 section 4.3 of and presented in Table 1, which does not exceed RBL+25. OOHW protocol):

D. Details of noise or vibration assessment completed:

Comments:

A noise assessment has been undertaken using the TfNSW noise estimator tool (provided in Appendix C). A summary of the outputs of this assessment are presented below as Table 1 with an overlay of impacted areas provided within Figure 2 and 3.

E. Proposed mitigation measures, including respite

Comments:

- Toolbox talk to be undertaken prior to the OOHW to communicate appropriate behavioural practices
- Equipment will be inspected to ensure defects are not present. Works will be undertaken with minimum amount of equipment practical to complete the works.
- Utilise noise blankets between the works and the receiver at 83 Lookout Road. Ensure noise blanket joins are overlapped and secured firmly against each other.
- All workers are to be inducted to site.
- Vehicles working OOH must have non-tonal reverse alarms, reversing is to be minimised.
- Vehicles are to be turned off when not in use, not left idling.
- Stakeholder notification will occur specific to these works will be undertaken 5-14 days prior to the works being undertaken.
- Noise monitoring to validate predictions.
- Out of hours work approval request form.
- All signage on Lookout Road will be installed using hand tools and no vacuum trucks.
- No linemarking works or barrier installation will occur on Lookout Road as part of these works.

F. Community consultation

Out of hours work approval request form

Outline consultation undertaken for the proposed OOHW:

- 3 month look ahead distributed to the community on 11/01/2023. The February 3 month lookahead will be distributed the week of 6/02/23.
- Specific OOHW notice was delivered to sensitive receivers within the green line shown on Figure 2 and Figure 3 on 01/02/2023. Receivers 15-25dB(A) over NML are illustrated in Figure 2 and 3 in orange. All sensitive receivers 15-25dB(A) over NML were doorknocked on 01/02/23 in accordance with the OOH protocol.

Has respite periods for OOHW been identified with the affected community on a monthly basis and a three-month schedule of likely OOHW provided (refer CoA E29)?

- OOHW Period 2 is considered appropriate for these works. Out of hours construction noise will be limited to no more than two consecutive periods per week impacting particular sensitive receivers.
- Duration respite would apply to these work activities.

Has the outcome of community consultation, the identified respite periods and scheduling of likely OOHW been provided to the ER, EPA and Planning Secretary?

Transport for NSW provides this information to the ER and Planning Secretary through the OOHW application process relevant to OOHW, and when approval is sought.

G. Respite framework

Outline any previous respite within the last month and the status of community agreements (where relevant)?

N/A – no work within the last month

Have cumulative impacts from OOHW permitted by an EPL been considered during the development appropriate respite?

Yes. All activities will be undertaken separately.

H. Details of non-residential receivers (if any) and corresponding NMLs

Comments:

No non-residential receivers would be impacted by the works.

I. Are there any properties at risk of exceeding the screening criteria for cosmetic damage?

Comments:

No vibration works.

I. Review/ Endorsements Community notified -Contractor Date: Community Additional consultation requirements: Liaison Representative Have the works been reviewed and endorsed? Name: Signature: Date: Comments: Transport for Agreed mitigation measures: NSW **Environmental** Have the works been reviewed and endorsed? Manager (or delegate) Have the works been approved where neither low or high risk?

Out of hours work	approval request form		
	Name:	Signature:	Date:
	Comments:		
Transport for	Have the works been reviewed and endorsed	?	
NSW Project Manager	Have the works been approved where neither	low or high risk?	
managor	Name:	Signature:	Date:
	Comments:		
ER approval (low	Are the works approved?		Yes / No
risk activities)	Name:	Signature:	Date:
	Comments:		
Planning	Are the works approved?		Yes / No
Secretary approval (high	Name:	Signature:	Date:
risk activities)			
	Comments:		



Figure 1 – Location of most affected receivers (refer to Table 1)



Figure 2 – Signage

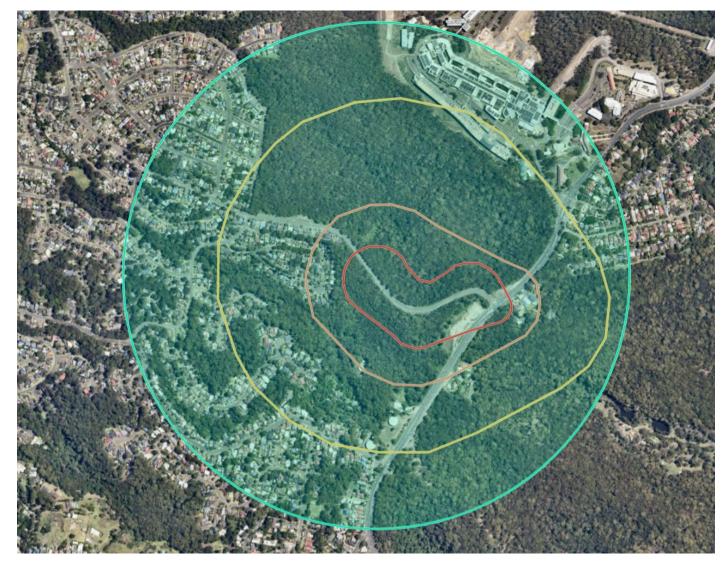


Figure 3 – Linemarking and barriers

Green = >NML

Yellow = NML+5 & above

Orange = NML+15 & above

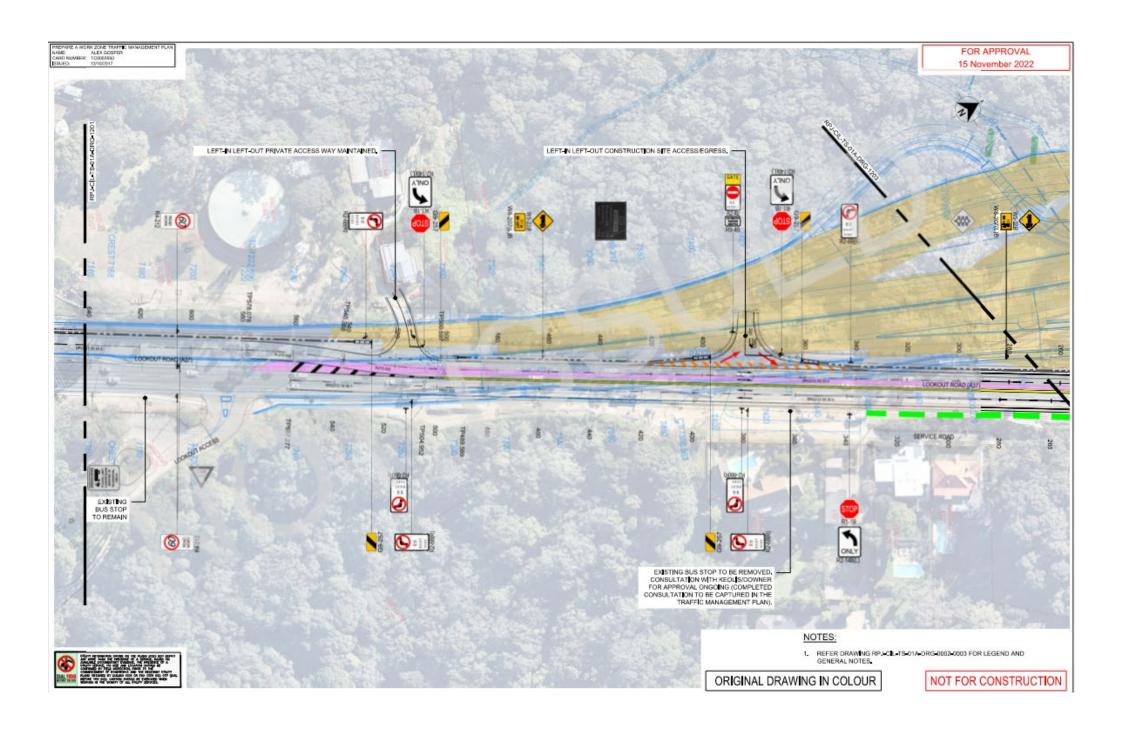
Red = NML+25 & above

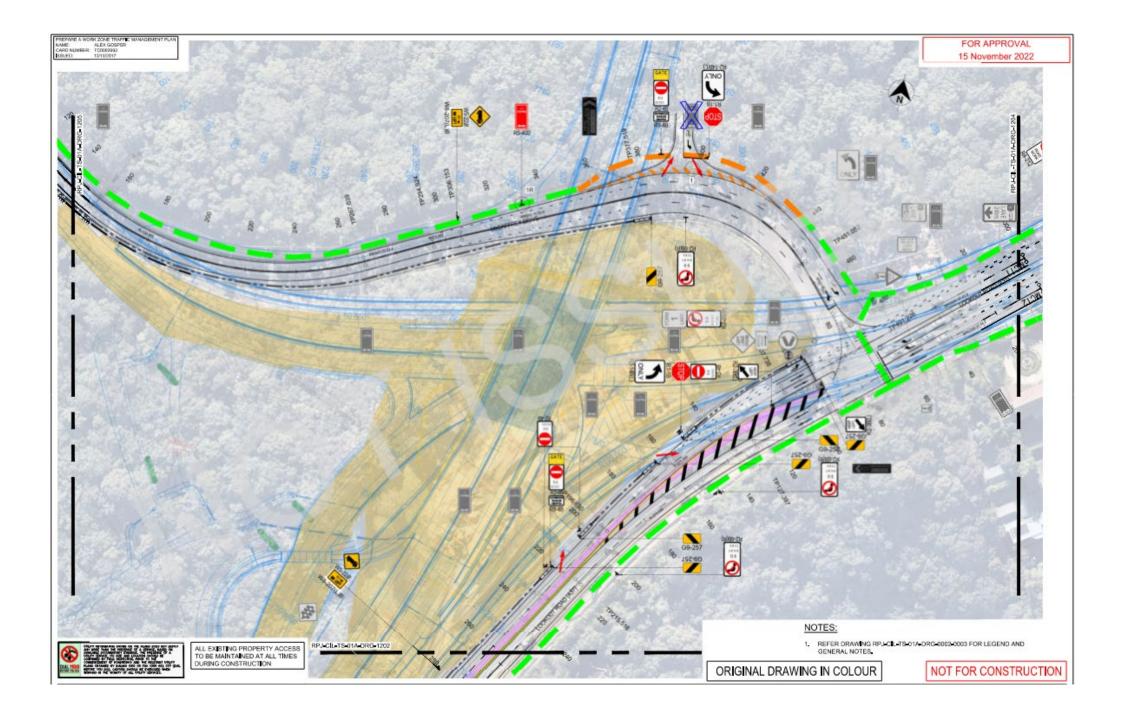
Table 1 - Noise estimator output

Location	Activity	NML	NCA	dBA @ most affected	dBA above NML
R2660 (335 McCaffrey Dr)	Signage	31	10	42 – vac truck	11
				56 – hand tools	25
R2810 (160 Lookout Rd)		32	12	56	24
R2747 (119 Lookout Rd)		38	13	57	19
R2660 (335 McCaffrey	Linemarking	31	10	53	22
Dr)					
R2731 (83 Lookout Rd)		38	13	61	23
R2660 (335 McCaffrey	Barriers	31	10	56	25
Dr)					
R2731 (83 Lookout Rd)		38	13	55	17

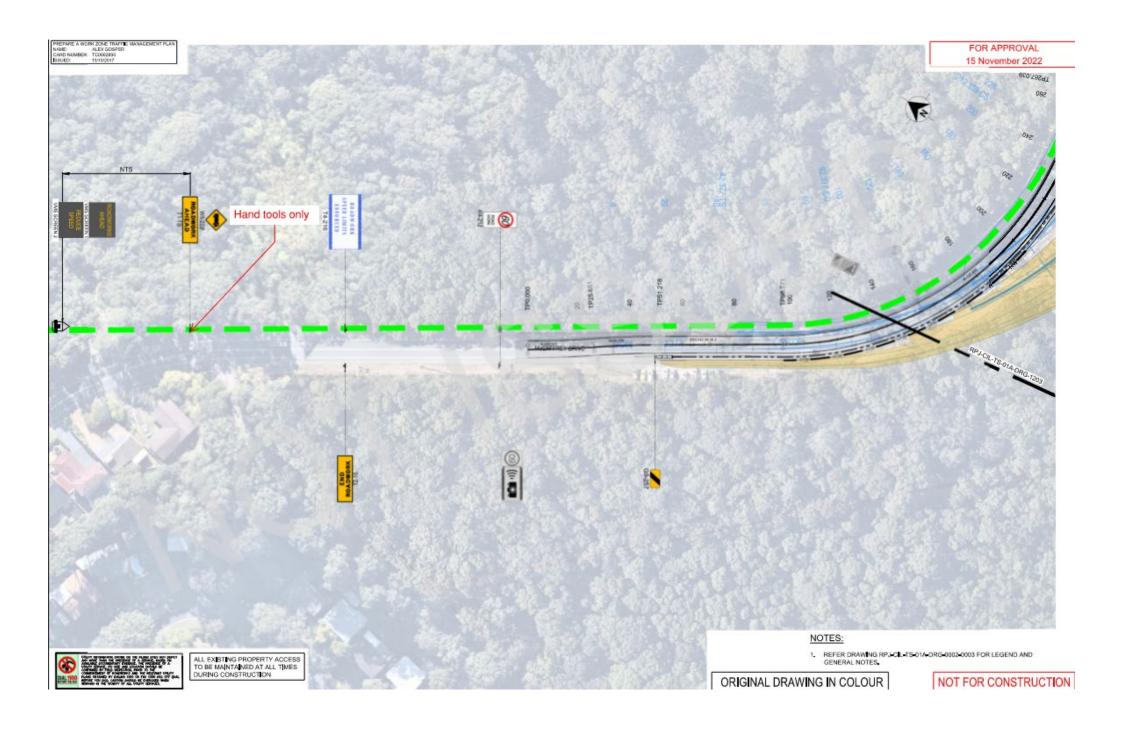
Appendix A – Signage drawings











Appendix B - Consultation

3 month look ahead





January 2023

Newcastle Inner City Bypass - Rankin Park to Jesmond

Early work and start of construction from January to March 2023

The Australian and NSW governments are funding construction of a 3.4 kilometre section of the Newcastle Inner City Bypass between Rankin Park and Jesmond. Transport for NSW has engaged Fulton Hogan to finalise the design and construct this section of the bypass.

What's happening?

Fulton Hogan will complete early work, establish the construction zone and start site clearing during January and March 2023. Daytime work will be carried out **Monday** to **Friday** between **7am** and **6pm** and **Saturday** between **8am** to **5pm** and includes:

- · building and road condition surveys
- completing the main site compound at the rear of the Mater Hospital and two minor compounds near the southern and northern interchanges
- · heritage salvage operations near the Jesmond/Newcastle Inner City Bypass intersection
- installing nest boxes and carved hollows beyond the project boundary as part of our fauna management plan
- · setting up environmental controls such as dust monitors and sediment controls
- · flagging construction site boundaries
- · site access works along Newcastle Road, Jesmond and McCaffrey Drive, Rankin Park
- · stormwater drainage
- · removing vegetation, clearing and grubbing for site access
- · utility and geotechnical investigations, ground survey and topography survey.

The following activities are required outside of daytime project hours for the safety of workers and road users, and to minimise traffic delays to the network. Night work will be carried out from **Sunday** to **Thursday** between **8pm** and **5am**.

Date	Work Activity	Equipment
January to March 2023	Utility investigations and potholing Early work for John Hunter Hospital interface Geotechnical investigations Saw cutting of footpaths and reinstatement of affected areas Road widening and drainage work to accommodate site access to the northern site compound Tree and vegetation clearing on the western side of the Newcastle Inner City Bypass near the Jesmond roundabout On-road survey work Installing safety barriers, line marking and signage around work areas	Traffic control Excavators, tippers, rollers Chainsaws Vacuum excavation Saw cutters Bore hole drills (vehicle mounted) Hand held compactors Franna cranes and hi-ab Survey equipment Trucks and light vehicles Lighting towers

transport.nsw.gov.au

Work area

The work on the southern interchange will occur along Lookout Road and McCaffrey Drive at Rankin Park. Work around the northern interchange will occur along Newcastle Road and Main Road, Jesmond, with additional works to occur in Jesmond Park and within the project boundary near the John Hunter Hospital.

How will the work affect you?

At times we will use machinery and equipment that generate light, noise and vibration. We will make every effort to minimise these impacts by:

- · turning off machinery and vehicles when not in use
- · using non-tonal reversing alarms
- · positioning of machines and noise blankets
- · directing temporary lighting down and away from homes
- planning activities close to residents within standard construction hours and scheduling noisy
 activities earlier in the night, where possible
- · monitoring noise so we can manage any potential impacts and adjust our work, where possible.

Noise levels will vary between moderate to noisy. Directly affected residents will be contacted and advised of the likely impact and what we are doing to minimise disruption during the work.

Traffic changes

During night work there may be temporary lane closures with intermittent stop/slow traffic control, reduced speed limit of 40 km/h will be in place on Newcastle Road near the Newcastle Inner City Bypass roundabout, Lookout Road, McCaffrey Drive and on the existing Newcastle Inner City Bypass. Please keep to the sign posted speed limits and follow the direction of traffic controllers.

For the latest traffic updates, you can call 132 701, visit livetraffic.com or check the Live Traffic App.

More information

If you would like to provide feedback, or have any questions about this work, please contact our project team on 1800 818 433 (24 hours), email RP2JCommunity@fultonhogan.com.au or mail to PO Box 186, Waratah, NSW 2298.

For more information about the project visit nswroads.work/rp2j

Thank you for your patience during this important work.

Translating and interpreting service



If you need help understanding this information, please contact the Translating and Interpreting Service on 131 450 and ask them to call us on 1800 818 433.





January 2023

Newcastle Inner City Bypass - Rankin Park to Jesmond

Planned work at New Lambton Heights from Monday 6 February

The Australian and NSW governments are funding construction of a 3.4 kilometre section of the Newcastle Inner City Bypass between Rankin Park and Jesmond. Transport for NSW has engaged Fulton Hogan to finalise the design and construct this section of the bypass.

Work in your area

Day work is planned to start from Monday 6 February 2023, between 7am to 6pm. Night work is planned from Monday 6 February until Thursday 30 March (Sunday to Thursday nights), between 6pm and 7am, weather permitting. We will be installing new signage, road barriers and utilities, and painting road lines in preparation for the start of construction. Work will be carried in or next to live traffic lanes therefore out of hours work is the safest way to conduct this work. We will only work three nights in a row each week until the work is completed, to allow the community respite from the night work.

Details of planned work

Location	Activities	Occurrence
Lookout Road and McCaffrey Drive, New Lambton Heights	Crane lifting barriers and fixing to pavement Line marking removal vehicles and sprayers Concrete saw for removal of road sensors Vacuum truck for pot holing Road signage installation Utility investigation and installation Move equipment between locations Traffic control set up and pack up Lighting towers for the work area	Up to 3 nights per week

Traffic changes

There will be traffic controllers on site, temporary lane closures, machinery operating adjacent to or in the road lanes throughout the night works.

These will move locations, please take care, keep to the sign posted speed limits and follow the direction of traffic controllers

For the latest traffic updates, you can call 132 701, visit livetraffic.com or check the Live Traffic App.

Why is work carried out at night?

Work is required outside standard construction hours to:

- · improve safety by minimising the interactions between road users, pedestrians and workers
- · minimise delays and journey times for motorists and businesses.

How will the work affect you?

There will be machinery and other plant and equipment working in different areas throughout the night works. The machinery and equipment generate light, noise and vibration. We will make every effort to minimise these impacts by:

- turning off machinery and vehicles when not in use
- · using non-tonal reversing alarms
- positioning of machines and directing temporary lighting down and away from homes
- planning activities close to residents within standard construction hours and scheduling noisy activities earlier in the night, where possible
- only working three nights in a row each week until the works are completed
- monitoring noise to manage any potential impacts and adjusting our work, where possible.

Noise levels will be moderate. Directly affected residents will be contacted and advised of the likely impact and what we are doing to minimise disruption during the work.



More information

If you would like to provide feedback, or have any questions or complaints about this work, please contact our project team on 1800 818 433 (24 hours), email RP2JCommunity@fultonhogan.com.au or mail to PO Box 186, Waratah, NSW 2298. For more information about the project visit nswroads.work/rp2j. Thank you for your patience during this important work.

Translating and interpreting service



If you need help understanding this information, please contact the Translating and Interpreting Service on 131 450 and ask them to call us on 1800 818 433.

Appendix C Noise assessments

1. Signage NCA 10 - R2660 (335 McCaffrey Drive, Rankin Park)

a. Worst case - vac truck

Project name		RP2J				
Scenario name		Signage	\$			
Receiver address		335 McCaffrey Dr, Rankin Park (R2660)				
Select area ground type		Developed settlements (urban and suburban areas)				
Select type of background noise leve	l input	User Input	THE SAME SAME CONTINUE TO A STATE OF THE SAME CONTINUE TO A ST			
		Representative Noise Environment	User Input			
Noise area category		*				
	Day		38			
RBL or LA90 Background level (dB(A))	Evening		35			
	Night		26			
	Day		48			
LAeg(15minute) Noise mangement level (dB(A))	Day (OOHW)		43			
LAequisminutes noise mangement level (db(A))	Evening		40			
	Night		31			
s all plant at the same representative distance to	the receiver? Y/N	Y				
Representative distance (m)		25	All at Representative Distan			

(b) where user input is selected - enter the measured background noise level for each time period (cells D17 to D19).

6. Is all plant at the same representative distance to the receiver? Select Y or N (cell C24):
(b) where N is selected - go is step 37.

7. For the scenario (e.g., shallow excavation), select plant from the drop-down list in cells A28 to A47 (e.g., dump trucks + excavator).
(a) enter quantity for each selected plant in cells D28 to D47.
(b) where N is selected from step 46 - enter the distance to receiver for each individual plant in cells E28 to E47.
(c) is there line of sight for receiver? select from drop down, list in cells D28 to E47. Soild barrier can be in the form of road ou curtain, timber lapped and capped fence, shipping container, site office, etc. Please note that vegetation and trees are not o.

8. Identify the level above background and/or noise mangement level (see rows 57 to 62).

9. Identify and implement standard mitigation measures where feasible and reasonable. Include any shielding implemented as part in the selection in the 1s there line of sight to receiver drop-down list.

10. Identify and implement feasible and reasonable additional mitigation measures (see rows 63 to 65).

11. Document a summary report detailing:

(a) project description (including location, duration, hours of work, construction methodology, plant, potentially impacted rec (b) background noise levels.

(c) noise management levels.

(d) predicted onise levels for each time period.

(e) sleep disturbance affected distance for night works.

(f) mitigation measures.

(g) team member responsible for implementing mitigation measures and managing noise and vibration.

Representative distance (n	1)	25	All at Representative Distant	e (Note that suitable	e noise management levels for other noise-s	sensitive busines	ses not identifie	a in the Construction	Noise Estima
Type/ model plant (See Sources Sheet)	SWL LAeq (dB(A))	SPL @7m (dB(A))	Quantity	Individual distance to receiver (m)	Is there line of sight to receiver? Y/N	Quantity correction (dBA)	Shielding correction (dBA)	Distance used in calculation (m)	SPL (dB(A
Vacuum truck	109	84			No (behind substantial solid barrier)	0	-10		-888
Light vehicles	95	70			No (behind solid barrier)	0	-5		-888
Truck (>20tonne)	106	81			No (behind solid barrier)	0	-5		-888
Small Hand Tools	90	65	1		No (behind substantial solid barrier)	0	-10	25	42
					No (behind solid barrier)	0	-5	2	-888
					No (behind solid barrier)	. 0	-5		-888
					No (behind solid barrier)	0	-5		-888
					No (behind solid barrier)	0	-5		-888
					No (behind solid barrier)	0	-5	· ·	-888
			7		No (behind solid barrier)	0	-5		-888
					No (behind solid barrier)	0	-5		-888
					Yes	0	0	4	-888
					Yes	0	0	*	-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0	100	-888

b. Worst case - hand tools

Total SPL L Aeq(15minute) (dB(A))

Total SPL LAeq(15minute) (dB(A))

Project name		RP2J				
Scenario name		Signage				
Receiver address		335 McCaffrey Dr, Rankin Park (R2660)				
Select area ground type		Developed settlements (urban a	nd suburban areas)			
Select type of background noise level input		User Input				
		Representative Noise Environment	User Input			
Noise area category						
	Day		38			
RBL or LA90 Background level (dB(A))	Evening		35			
	Night		26			
	Day		48			
LAeq(15minute) Noise mangement level (dB(A))	Day (OOHW)		43			
Exequisimilate) noise mangement level (db(x))	Evening		40			
	Night		31			
is all plant at the same representative distance to	the receiver? Y/N	Y				
Representative distance (m)		12	All at Representative Distan			
9700 Ye (A)						

(b) where user input is selected - enter the measured background noise level for each time period (cells D17 to D19).

6. Is all plant at the same representative distance to the receiver? Select Y or N (cell C24):
(a) where Y is selected - enter the representative distance in cell C25.
(b) where N is selected - go to step #7.
7. For the scenario (e.g., shallow excavation), select plant from the drop-down list in cells A28 to A47 (e.g. dump trucks + excavator).
(a) enter (quantity for each selected plant in cells D28 to D47.
(b) where N is selected from step #6 - enter the distance to receiver for each individual plant in cells E28 to E47.
(c) is there line of sight to receiver? select from drop down list in cells F28 to F47. Solid barrier can be in the form of r oad cutt curtain, timber lapped and capped fence, shipping container, site office, etc. Please note that vegetation and trees are not co
8. Identify, the level above background and/or noise management level (see rows 57 to 62).
9. Identify and implement standard mitigation measures where feasible and reasonable. Include any shielding implemented as part of the selection in the 1s there line of sight to receiver drop-down list.
10. Identify and implement feasible and easonable additional mitigation measures (see rows 63 to 65).
11. Document a summary report detailing:
(a) project description (including location, duration, hours of work, construction methodology, plant, potentially impacted rece
(b) noise management levels
(c) predicted noise levels for each time period.
(e) sleep disturbance affected distance for night works.
(f) mitigation measures.
(g) team member responsible for implementing mitigation measures and managing noise and vibration.

(Note that suitable noise management levels for other noise-sensitive businesses not identified in the Construction Noise Estima for si

Type/ model plant (See Sources Sheet)	SWL LAeq (dB(A))	SPL @7m (dB(A))	Quantity	Individual distance to receiver (m)	Is there line of sight to receiver? Y/N	Quantity correction (dBA)	Shielding correction (dBA)	Distance used in calculation (m)	Contribution SPL (dB(A))
Vacuum truck	109	84			No (behind substantial solid barrier)	0	-10		-888
Light vehicles	95	70	1		No (behind substantial solid barrier)	0	-10	12	55
Truck (>20tonne)	106	81			No (behind solid barrier)	0	-5		-888
Small Hand Tools	90	65	1		No (behind substantial solid barrier)	0	-10	12	50
					No (behind solid barrier)	0	-5		-888
					No (behind solid barrier)	0	-5		-888
					No (behind solid barrier)	0	-5		-888
					No (behind solid barrier)	0	-5		-888
					No (behind solid barrier)	0	-5		-888
					No (behind solid barrier)	0	-5		-888
					No (behind solid barrier)	0	-5		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
				The state of the s	Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
·					Yes	0	0		-888
		·			Yes	0	0		-888
					Yes	0	0		-888

c. +25 vac truck

Project name		RP2J			user input is selected - enter the measured			time period (cells D	7 to D19).
Scenario name		Signage			e same representative distance to the recei				
Receiver address		335 McCaffrey Dr, Rankin P			Y is selected - enter the representative dist N is selected - go to step #7	tance in cell C25			
Select area ground type Select type of background noise lev	al input	Developed settlements (urban and User Input	d suburban areas)		io (e.g. shallow excavation), select plant from	m the drop-down	list in cells A28	to A47 (e.g. dump tr	icks + excava
select type of background noise lev	erinput	User input		(a) enter	quantity for each selected plant in cells D28	to D47.			
		Representative Noise Environment	User Input		N is selected from step #6 - enter the dista re line of sight to receiver? select from drop				
Noise area category		•			mber lapped and capped fence, shipping co				
	Day		38		el above background and/or noise mangeme			a probability	0.8
RBL or LA90 Background level (dB(A))	Evening		35		plement standard mitigation measures wher he 'Is there line of sight to receiver' drop-dov		asonable. Includ	le any shielding impl	emented as p
, , , , , , , , , , , , , , , , , , ,	Night		26		nplement feasible and reasonable additional		ures (see rows f	63 to 65)	
	Day		48	11. Document a s	ummary report detailing:				
	Day (OOHW)		43		t description (including location, duration, he	ours of work, con	struction method	dology, plant, potent	ally impacted
.Aeq(15minute) Noise mangement level (dB(A))	Evening		40		round noise levels. management levels.				
9	Night		31		ted noise levels for each time period.				
	mynt		31		disturbance affected distance for night work	S.			
s all plant at the same representative distance	o the receiver? Y/N	Ÿ			tion measures. member responsible for implementing mitiga	ation measures a	nd managing no	ise and vibration.	
				(Note that quitable	a pains management levels for other pains	consitive business	oce not identifie	d in the Construction	Noine Entime
Representative distance (m)		45	All at Representative Dista	(Note that suitable	e noise management levels for other noise -	sensitive busines	ses not identifie	d in the Construction	Noise Estima
Representative distance (m) Type/ model plant (See Sources Sheet)	SWL LAeq (dB(A))	45 SPL @7m (dB(A))	All at Representative Dista	Individual distance to receiver (m)	e noise management levels for other noise -	Quantity correction (dBA)	Shielding correction (dBA)	Distance used in calculation (m)	Contributio SPL (dB(A)
* * * *	SWL LAeq (dB(A))	SPL @7m (dB(A)) 84	973	Individual distance to	ľ	Quantity correction (dBA)	Shielding correction (dBA) -10	Distance used in calculation (m)	Contributio SPL (dB(A)
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles	SWL LAeq (dB(A)) 109 95	SPL @7m (dB(A)) 84 70	973	Individual distance to	Is there line of sight to receiver? Y/N	Quantity correction (dBA) 0	Shielding correction (dBA) -10	Distance used in calculation (m)	Contributio SPL (dB(A)
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (<20tonne)	SWL LAeq (dB(A)) 109 95 106	SPL @7m (dB(A)) 84 70 81	Quantity 1 1	Individual distance to	Is there line of sight to receiver? YN No (behind substantial solid barrier) No (behind substantial solid barrier) No (behind solid barrier)	Quantity correction (dBA) 0 0	Shielding correction (dBA) -10 -10 -5	Distance used in calculation (m) 45 45	Contribution SPL (dB(A)) 56 42 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles	SWL LAeq (dB(A)) 109 95	SPL @7m (dB(A)) 84 70	Quantity	Individual distance to	Is there line of sight to receiver? Y/N No (behind substantial solid barrier)	Quantity correction (dBA) 0 0 0	Shielding correction (dBA) -10 -10 -5 -10	Distance used in calculation (m)	Contributio SPL (dB(A) 56 42 -888 37
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (<20tonne)	SWL LAeq (dB(A)) 109 95 106	SPL @7m (dB(A)) 84 70 81	Quantity 1 1	Individual distance to	Is there line of sight to receiver? Y/N No (behind substantial solid barrier) No (behind substantial solid barrier) No (behind solid barrier) No (behind solid barrier) No (behind solid barrier)	Quantity correction (dBA) 0 0 0 0	Shielding correction (dBA) -10 -10 -5 -10 -5	Distance used in calculation (m) 45 45	Contributio SPL (dB(A) 56 42 -888 37 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (<20tonne)	SWL LAeq (dB(A)) 109 95 106	SPL @7m (dB(A)) 84 70 81	Quantity 1 1	Individual distance to	Is there line of sight to receiver? Y/N No (behind substantial solid barrier) No (behind solid barrier) No (behind solid barrier)	Quantity correction (dBA) 0 0 0 0 0 0 0 0	Shielding correction (dBA) -10 -10 -5 -5 -5 -5	Distance used in calculation (m) 45 45	Contributio SPL (dB(A) 56 42 -888 37 -888 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (<20tonne)	SWL LAeq (dB(A)) 109 95 106	SPL @7m (dB(A)) 84 70 81	Quantity 1 1	Individual distance to	Is there line of sight to receiver? Y/N No (behind substantial solid barrier) No (behind substantial solid barrier) No (behind solid barrier)	Quantity correction (dBA) 0 0 0 0	Shielding correction (dBA) -10 -10 -5 -10 -5	Distance used in calculation (m) 45 45	Contributio SPL (dB(A) 56 42 -888 37 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (<20tonne)	SWL LAeq (dB(A)) 109 95 106	SPL @7m (dB(A)) 84 70 81	Quantity 1 1	Individual distance to	Is there line of sight to receiver? Y/N No (behind substantial solid barrier) No (behind substantial solid barrier) No (behind solid barrier)	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA) -10 -10 -5 -10 -5 -10 -5 -5 -5	Distance used in calculation (m) 45 45	Contributio SPL (dB(A) 56 42 -888 37 -888 -888 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (<20tonne)	SWL LAeq (dB(A)) 109 95 106	SPL @7m (dB(A)) 84 70 81	Quantity 1 1	Individual distance to	Is there line of sight to receiver? Y/N No (behind substantial sold barrier) No (behind substantial sold barrier) No (behind substantial sold barrier) No (behind sold barrier)	Quantity correction (dBA) 0 0 0 0 0 0 0	Shielding correction (dBA) -10 -10 -5 -10 -5 -10 -5 -5 -5 -5 -5	Distance used in calculation (m) 45 45	Contribution SPL (dB(A)) 56 42 -888 37 -888 -888 -888 -888 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (<20tonne)	SWL LAeq (dB(A)) 109 95 106	SPL @7m (dB(A)) 84 70 81	Quantity 1 1	Individual distance to	Is there line of sight to receiver? Y/N No (behind substantial solid barrier) No (behind substantial solid barrier) No (behind solid barrier)	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA) -10 -10 -5 -5 -5 -5 -5 -5	Distance used in calculation (m) 45 45	Contributio SPL (dB(A) 56 42 -888 37 -888 -888 -888 -888 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (<20tonne)	SWL LAeq (dB(A)) 109 95 106	SPL @7m (dB(A)) 84 70 81	Quantity 1 1	Individual distance to	Is there line of sight to receiver? Y/N No (behind substantial solid barrier) No (behind solid barrier)	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA) -10 -10 -5 -10 -5 -5 -5 -5 -5 -5 -5 -5	Distance used in calculation (m) 45 45	Contributio SPL (dB(A) 56 42 -888 37 -888 -888 -888 -888 -888 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (<20tonne)	SWL LAeq (dB(A)) 109 95 106	SPL @7m (dB(A)) 84 70 81	Quantity 1 1	Individual distance to	Is there line of sight to receiver? Y/N No (behind substantial sold barrier) No (behind sold barrier)	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA) -10 -10 -5 -10 -5 -5 -5 -5 -5 -5 -5 -5	Distance used in calculation (m) 45 45	Contribution SPL (dB(A) 56 42 -888 37 -888 -888 -888 -888 -888 -888 -
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (<20tonne)	SWL LAeq (dB(A)) 109 95 106	SPL @7m (dB(A)) 84 70 81	Quantity 1 1	Individual distance to	Is there line of sight to receiver? Y/N No (behind substantial sold barrier) No (behind substantial sold barrier) No (behind substantial sold barrier) No (behind sold barrier) Yes, Yes	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA) -10 -10 -5 -10 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5	Distance used in calculation (m) 45 45	Contributio SPL (dB(A) 56 42 -888 37 -888 -888 -888 -888 -888 -888 -
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (<20tonne)	SWL LAeq (dB(A)) 109 95 106	SPL @7m (dB(A)) 84 70 81	Quantity 1 1	Individual distance to	Is there line of sight to receiver? Y/N No (behind substantial sold barrier) No (behind substantial sold barrier) No (behind substantial sold barrier) No (behind sold barrier) Yes Yes Yes	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA) -10 -10 -5 -10 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5	Distance used in calculation (m) 45 45	Contribution SPL (dB(A) 56 42 -888 37 -888 -888 -888 -888 -888 -888 -
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (<20tonne)	SWL LAeq (dB(A)) 109 95 106	SPL @7m (dB(A)) 84 70 81	Quantity 1 1	Individual distance to	Is there line of sight to receiver? Y/N No (behind substantial solid barrier) No (behind substantial solid barrier) No (behind solid barrier) Yes Yes Yes Yes Yes	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA) (dB	Distance used in calculation (m) 45 45	Contribution SPL (dB(A) 56 42 - 838
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (<20tonne)	SWL LAeq (dB(A)) 109 95 106	SPL @7m (dB(A)) 84 70 81	Quantity 1 1	Individual distance to	Is there line of sight to receiver? Y/N No (behind substantial sold barrier) No (behind sold barrier) Yes Yes Yes Yes Yes Yes	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA) -10 -10 -5 -5 -5 -5 -5 -5 -5 0 0 0 0 0 0	Distance used in calculation (m) 45 45	Contribution SPL (dB(A) 56 42 -888 37 -888 -888 -888 -888 -888 -888 -
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (<20tonne)	SWL LAeq (dB(A)) 109 95 106	SPL @7m (dB(A)) 84 70 81	Quantity 1 1	Individual distance to	Is there line of sight to receiver? Y/N No (behind substantial solid barrier) No (behind solid barrier) Yes, Yes, Yes, Yes, Yes, Yes, Yes, Yes,	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA) -10 -10 -5 -5 -5 -5 -5 -5 0 0 0 0 0 0 0 0 0 0	Distance used in calculation (m) 45 45	Contribution SPL (dB(A) 56 42 -888 -888 -888 -888 -888 -888 -888 -
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (<20tonne)	SWL LAeq (dB(A)) 109 95 106	SPL @7m (dB(A)) 84 70 81	Quantity 1 1	Individual distance to	Is there line of sight to receiver? Y/N No (behind substantial sold barrier) No (behind sold barrier) Yes Yes Yes Yes Yes Yes	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA) -10 -10 -5 -5 -5 -5 -5 -5 -5 0 0 0 0 0 0	Distance used in calculation (m) 45 45	Contribution SPL (dB(A) 56 42 -888 37 -888 -888 -888 -888 -888 -888 -

					Yes	0	0	1	-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
			,						
Total SPL L Aeq(15minute) (dl	3(A))	56							
d. +25 l	nand too								
Project name		RP2J			user input is selected - enter the measured			time period (cells D	17 to D19).
Scenario name		Signage			e same representative distance to the receiv				
Receiver address		335 McCaffrey Dr, Rankin		(a) where	Y is selected - enter the representative dist N is selected - go to step #7	ance in cell C25.			
Select area ground type		Developed settlements (urban an	nd suburban areas)		N is selected - go to step #/ o (e.g. shallow excavation), select plant from		liet in celle A20	to 0.47 /o o diamonto	
Select type of background noise le	vel input	User Input			guantity for each selected plant in cells D28		list in cells A20	to A47 (e.g. dump ti	ucks + exca
					N is selected from step #6 - enter the distar		r each individua	al plant in cells E28 t	o E47.
		Representative Noise Environment	User Input	(c) is ther	e line of sight to receiver? select from drop of	down list in cells	F28 to F47. Soli	id barrier can be in th	ne form of r o
Noise area category					mber lapped and capped fence, shipping co			ote that vegetation a	nd trees are
	Day		38		el above background and/or noise mangeme				
RBL or LA90 Background level (dB(A))	Evening		35		plement standard mitigation measures where		asonable. Includ	de any shielding imp	lemented as
Live background force (db(A))	Night		26		ne 'Is there line of sight to receiver' drop-down notement feasible and reasonable additional			C2 4= CEV	
					nplement feasible and reasonable additional ummary report detailing:	mugation meas	ures (see rows (03 (0 65).	
	Day		48		t description (including location, duration, he	urs of work con	struction method	dology plant poten	tially impacte
	Day (OOHW)		43		round noise levels.	uis of Work, con	struction memor	dology, plant, poten	nuny impucio
April 5 minute) Noise mangement level (dR(A))									
Aeq(15minute) Noise mangement level (dB(A))	Evening		40	(c) noise	management levels .				
Aeq(15minute) Noise mangement level (dB(A))	Evening		40 31		management levels . ted noise levels for each time period.				
Aeq(15minute) Noise mangement level (dB(A))	Evening Night	Ş	100000	(d) predic (e) sleep (f) mitigat	ted noise levels for each time period. disturbance affected distance for night work ion measures.		nd managing no	oise and vibration	
Aeq(I5minute) Noise mangement level (dB(A)) all plant at the same representative distance Representative distance (m	Evening Night to the receiver? Y/N	Y 6	100000	(d) predic (e) sleep (f) mitigat (g) team	ted noise levels for each time period. disturbance affected distance for night work:	tion measures a	ses not identifie		n Noise Estim
all plant at the same representative distance	Evening Night to the receiver? Y/N SWL LAeq (dB(A))	6 SPL @7m (dB(A))	31	(d) predic (e) sleep (f) mitigat (g) team	ted noise levels for each time period. disturbance affected distance for night work ion measures. member responsible for implementing mitiga	tion measures a			Contribution
all plant at the same representative distance Representative distance (m	Evening Night to the receiver? Y/N	6	31 All at Representative Di	(d) predic (e) sleep (f) mitigat (g) team (Note that suitable	ted noise levels for each time period, idsturbance affected distance for night work for measures. member responsible for implementing mitiga enoise management levels for other noise-s	tion measures a sensitive busines Quantity correction	ses not identifie	d in the Construction	Contributi
all plant at the same representative distance Representative distance (m Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles	Evening Night to the receiver? Y/N SWL LAeq (dB(A)) 109 95	6 SPL @7m (dB(A)) 84 70	31 All at Representative Di	(d) predic (e) sleep (f) mitigat (g) team (Note that suitable	ted noise levels for each time period. disturbance affected distance for right work ion measures. member responsible for implementing mitiga e noise management levels for other noise-s is there line of sight to receiver? Y/N No (behind substantial solid barrier) No (behind solid barrier)	Quantity correction (dBA) 0 0	Shielding correction (dBA) -10 -5	d in the Construction	Contributi SPL (dB(A -888 -888
all plant at the same representative distance (m Representative distance (m Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (c20tonne)	Evening Night to the receiver? Y/N SWL LAeq (dB(A)) 109 95 106	6 SPL@7m (dB(A)) 84 70 81	31 All at Representative Di Quantity	(d) predic (e) sleep (f) mitigat (g) team (Note that suitable	ted noise levels for each time period. disturbance affected distance for night work. ion measures. member responsible for implementing mitiga e noise management levels for other noise-s Is there line of sight to receiver? Y/N No (behind substantial solid barrier) No (behind solid barrier) No (behind solid barrier)	Quantity correction (dBA) 0 0 0	Shielding correction (dBA) -10 -5 -5	Distance used in calculation (m)	Contributi SPL (dB(# -888 -888 -888
all plant at the same representative distance Representative distance (m Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles	Evening Night to the receiver? Y/N SWL LAeq (dB(A)) 109 95	6 SPL @7m (dB(A)) 84 70	31 All at Representative Di	(d) predic (e) sleep (f) mitigat (g) team (Note that suitable	ted noise levels for each time period. disturbance affected distance for night work. too measures. member responsible for implementing mitigal e noise management levels for other noise-s is there line of sight to receiver? Y/N No (behind solid barrier) No (behind solid barrier) No (behind solid barrier) No (behind solid barrier)	Quantity correction (dBA) 0 0 0 0 0	Shielding correction (dBA) -10 -5 -5 -10	d in the Construction	Contribut SPL (dB(A -888 -888 -888 -56
all plant at the same representative distance (m Representative distance (m Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (c20tonne)	Evening Night to the receiver? Y/N SWL LAeq (dB(A)) 109 95 106	6 SPL@7m (dB(A)) 84 70 81	31 All at Representative Di Quantity	(d) predic (e) sleep (f) mitigat (g) team (Note that suitable	ted noise levels for each time period. disturbance affected distance for night work ion measures. member responsible for implementing mitiga e noise management levels for other noise-s Is there line of sight to receiver? Y/N No (behind substantial solid barrier) No (behind solid barrier)	ensitive busines Quantity correction (dBA) 0 0 0 0	Shielding correction (dBA) -10 -5 -5 -10 -5	Distance used in calculation (m)	Contribut SPL (dB(/ -888 -888 -888 -56 -888
all plant at the same representative distance (m Representative distance (m Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (c20tonne)	Evening Night to the receiver? Y/N SWL LAeq (dB(A)) 109 95 106	6 SPL@7m (dB(A)) 84 70 81	31 All at Representative Di Quantity	(d) predic (e) sleep (f) mitigat (g) team (Note that suitable	ted noise levels for each time period. disturbance affected distance for night work. too measures. member responsible for implementing mitigal e noise management levels for other noise-s is there line of sight to receiver? Y/N No (behind solid barrier)	dion measures a sensitive business Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA) -10 -5 -5 -5 -10 -5 -5	Distance used in calculation (m)	Contribut SPL (dB() -888 -888 -888 -56 -888 -888
all plant at the same representative distance (m Representative distance (m Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (c20tone)	Evening Night to the receiver? Y/N SWL LAeq (dB(A)) 109 95 106	6 SPL@7m (dB(A)) 84 70 81	31 All at Representative Di Quantity	(d) predic (e) sleep (f) mitigat (g) team (Note that suitable	ted noise levels for each time period. disturbance affected distance for night work ion measures. member responsible for implementing mitiga en oise management levels for other noise-of- ise there line of sight to receiver? Y/N No (behind substantial solid barrier) No (behind solid barrier)	dion measures a sensitive busines Quantity correction (dBA) 0 0 0 0 0 0 0	Shielding correction (dBA) -10 -5 -5 -10 -5 -5 -10 -5	Distance used in calculation (m)	Contributi SPL (dB(A -888 -888 -888 -56 -888 -888 -888 -888
all plant at the same representative distance (m Representative distance (m Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (c20tonne)	Evening Night to the receiver? Y/N SWL LAeq (dB(A)) 109 95 106	6 SPL@7m (dB(A)) 84 70 81	31 All at Representative Di Quantity	(d) predic (e) sleep (f) mitigat (g) team (Note that suitable	ted noise levels for each time period. disturbance affected distance for night work. ion measures. member responsible for implementing mitigal e noise management levels for other noise-s is there line of sight to receiver? Y/N No (behind substantial solid barrier) No (behind solid barrier)	dion measures a sensitive business Quantity correction (dBA) 0 0 0 0 0 0 0 0	Shielding correction (dBA) -10 -5 -5 -5 -5 -5 -5 -5	Distance used in calculation (m)	Contribut SPL (dB(/ -888 -888 -888 -888 -888 -888 -888 -8
all plant at the same representative distance (m Representative distance (m Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (c20tonne)	Evening Night to the receiver? Y/N SWL LAeq (dB(A)) 109 95 106	6 SPL@7m (dB(A)) 84 70 81	31 All at Representative Di Quantity	(d) predic (e) sleep (f) mitigat (g) team (Note that suitable	ted noise levels for each time period. disturbance affected distance for night work ion measures. member responsible for implementing mitiga enoise management levels for other noise-one is there line of sight to receiver? Y/N No (behind substantial sold barrier) No (behind sold barrier)	dion measures a sensitive business Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA) -10 -5 -10 -5 -5 -5 -5 -5 -5 -5 -	Distance used in calculation (m)	Contribut SPL (dB(/ -888 -888 -888 -888 -888 -888 -888 -8
all plant at the same representative distance (m Representative distance (m Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (c20tonne)	Evening Night to the receiver? Y/N SWL LAeq (dB(A)) 109 95 106	6 SPL@7m (dB(A)) 84 70 81	31 All at Representative Di Quantity	(d) predic (e) sleep (f) mitigat (g) team (Note that suitable	ted noise levels for each time period. disturbance affected distance for right work. too measures. member responsible for implementing mitigal project of the project o	dion measures a sensitive business constitute business Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA)	Distance used in calculation (m)	Contribut SPL (dB(/ -888 -888 -888 -888 -888 -888 -888 -8
all plant at the same representative distance (m Representative distance (m Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (c20tonne)	Evening Night to the receiver? Y/N SWL LAeq (dB(A)) 109 95 106	6 SPL@7m (dB(A)) 84 70 81	31 All at Representative Di Quantity	(d) predic (e) sleep (f) mitigat (g) team (Note that suitable	ted noise levels for each time period. disturbance affected distance for night work ion measures. member responsible for implementing mitiga enoise management levels for other noise-one is there line of sight to receiver? Y/N No (behind substantial sold barrier) No (behind sold barrier)	quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA)	Distance used in calculation (m)	Contribut SPL (dB(/ -888 -888 -888 -888 -888 -888 -888 -8
all plant at the same representative distance (m Representative distance (m Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (c20tonne)	Evening Night to the receiver? Y/N SWL LAeq (dB(A)) 109 95 106	6 SPL@7m (dB(A)) 84 70 81	31 All at Representative Di Quantity	(d) predic (e) sleep (f) mitigat (g) team (Note that suitable	ted noise levels for each time period. disturbance affected distance for right work. too measures. member responsible for implementing mitigal project of the project o	dion measures a sensitive business constitute business Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA)	Distance used in calculation (m)	Contribut SPL (dB(/ -888 -888 -888 -888 -888 -888 -888 -8
all plant at the same representative distance (m Representative distance (m Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (c20tonne)	Evening Night to the receiver? Y/N SWL LAeq (dB(A)) 109 95 106	6 SPL@7m (dB(A)) 84 70 81	31 All at Representative Di Quantity	(d) predic (e) sleep (f) mitigat (g) team (Note that suitable	ted noise levels for each time period. disturbance affected distance for night work. ion measures. member responsible for implementing mitigal proise management levels for other noise-st is there line of sight to receiver? Y/N No (behind substantial solid barrier) No (behind substantial solid barrier) No (behind solid barrier)	quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA)	Distance used in calculation (m)	Contributi SPL (dB(A -888 -888 -888 -888 -888 -888 -888 -8
all plant at the same representative distance (m Representative distance (m Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (c20tonne)	Evening Night to the receiver? Y/N SWL LAeq (dB(A)) 109 95 106	6 SPL@7m (dB(A)) 84 70 81	31 All at Representative Di Quantity	(d) predic (e) sleep (f) mitigat (g) team (Note that suitable	ted noise levels for each time period. disturbance affected distance for night work. Ion measures. member responsible for implementing mitigal process of the member of the moise-of the moise of th	tion measures a ensitive busines Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Ses not identifier Shielding correction (dBA) -10 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5	Distance used in calculation (m)	Contribut SPL (dB(/ -888 -888 -888 -888 -888 -888 -888 -8
all plant at the same representative distance (m Representative distance (m Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (c2(tone)	Evening Night to the receiver? Y/N SWL LAeq (dB(A)) 109 95 106	6 SPL@7m (dB(A)) 84 70 81	31 All at Representative Di Quantity	(d) predic (e) sleep (f) mitigat (g) team (Note that suitable	ted noise levels for each time period. disturbance affected distance for night work ion measures. member responsible for implementing mitiga e noise management levels for other noise-or list there line of sight to receiver? Y/N No (behind substantial solid barrier) No (behind substantial solid barrier) No (behind solid barrier) Yes Yes Yes	tion measures a Quantity correction (dBA)	Shielding correction (dBA) (dBA) (dBA) (dBA) (-5 -5 -5 -5 -5 -5 0 0 0 0	Distance used in calculation (m)	Contribut SPL (dB/ -888 -888 -888 -888 -888 -888 -888 -8
all plant at the same representative distance (m Representative distance (m Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (c2(tone)	Evening Night to the receiver? Y/N SWL LAeq (dB(A)) 109 95 106	6 SPL@7m (dB(A)) 84 70 81	31 All at Representative Di Quantity	(d) predic (e) sleep (f) mitigat (g) team (Note that suitable	ted noise levels for each time period. disturbance affected distance for night work. Ion measures. member responsible for implementing mitigal projection in the project of the project of the noise -state of the project of the p	tion measures a Cuantity correction (dBA) Cuantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ses not identifies Shielding correction (dBA) -10 -5 -5 -10 -5 -5 -5 -5 -5 -5 -0 0 0	Distance used in calculation (m)	Contribut SPL (dB/ -888 -888 -888 -888 -888 -888 -888 -8
all plant at the same representative distance (m Representative distance (m Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (c2(tone)	Evening Night to the receiver? Y/N SWL LAeq (dB(A)) 109 95 106	6 SPL@7m (dB(A)) 84 70 81	31 All at Representative Di Quantity	(d) predic (e) sleep (f) mitigat (g) team (Note that suitable	ted noise levels for each time period. disturbance affected distance for night work. ion measures. member responsible for implementing mitiga e noise management levels for other noise-es is there line of sight to receiver? Y/N No (behind substantial solid barrier) No (behind substantial solid barrier) No (behind substantial solid barrier) No (behind solid barrier) Yes Yes Yes Yes	dion measures a sensitive business Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ses not identified Shielding correction (dBA) -10 -5 -5 -10 -5 -5 -5 -5 -5 -5 -0 0 0 0	Distance used in calculation (m)	Contribut SPL (dB), -888 -888 -888 -888 -888 -888 -888 -8
all plant at the same representative distance (m Representative distance (m Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (c20tonne)	Evening Night to the receiver? Y/N SWL LAeq (dB(A)) 109 95 106	6 SPL@7m (dB(A)) 84 70 81	31 All at Representative Di Quantity	(d) predic (e) sleep (f) mitigat (g) team (Note that suitable	ted noise levels for each time period. disturbance affected distance for night work. Ion measures. member responsible for implementing mitigal projection in the project of the project of the noise -state of the project of the p	tion measures a Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ses not identified (Identified	Distance used in calculation (m)	Contribut SPL (dB/ -888 -888 -888 -888 -888 -888 -888 -8
all plant at the same representative distance (m Representative distance (m Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (c20tonne)	Evening Night to the receiver? Y/N SWL LAeq (dB(A)) 109 95 106	6 SPL@7m (dB(A)) 84 70 81	31 All at Representative Di Quantity	(d) predic (e) sleep (f) mitigat (g) team (Note that suitable	ted noise levels for each time period. disturbance affected distance for night work. ion measures. member responsible for implementing mitiga e noise management levels for other noise-es is there line of sight to receiver? Y/N No (behind substantial solid barrier) No (behind substantial solid barrier) No (behind substantial solid barrier) No (behind solid barrier) Yes Yes Yes Yes	tion measures a censitive business Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ses not identifies Shielding correction (dBA)	Distance used in calculation (m)	Contribut SPL (dB), -888 -888 -888 -888 -888 -888 -888 -8
all plant at the same representative distance (m Representative distance (m Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (e20tonne)	Evening Night to the receiver? Y/N SWL LAeq (dB(A)) 109 95 106	6 SPL@7m (dB(A)) 84 70 81	31 All at Representative Di Quantity	(d) predic (e) sleep (f) mitigat (g) team (Note that suitable	ted noise levels for each time period. disturbance affected distance for right work. Ion measures. In the member responsible for implementing mitigate on the member responsible for implementing mitigate on the member responsible for implementing mitigate on the member responsible for implementing the member responsible for the member of the member	tion measures a Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ses not identified (Identified	Distance used in calculation (m)	Contributi SPL (dB(A -888 -888 -888 -888 -888 -888 -888 -8

e. +15 vac truck

Project name		RP2J				
Scenario name		Signage				
Receiver address		335 McCaffrey Dr, Rankin Pari	k (R2660)			
Select area ground type		Developed settlements (urban and suburban areas)				
Select type of background noise leve	l input	User Input				
		Representative Noise Environment	User Inpu			
Noise area category						
	Day		38			
RBL or LA90 Background level (dB(A))	Evening		35			
	Night		26			
	Day		48			
LAeg(15minute) Noise mangement level (dB(A))	Day (OOHW)		43			
LA equisminutes noise mangement level (db(A))	Evening		40			
F	Night		31			

(b) where user input is selected - enter the measured background noise level for each time period (cells D17 to D19).

6. Is all plant at the same representative distance to the receiver? Select Y or N (cell C24):
(a) where Y is selected - enter the representative distance in cell C25.
(b) where N is selected - go to step #7.
7. For the scenario (e.g., shallow excavation), select plant from the drop-down list in cells A28 to A47 (e.g. dump trucks + excavator).
(a) enter quantity for each selected plant in cells D28 to D47.
(b) where N is selected from step #6 - enter the distance to receiver for each individual plant in cells E28 to E47.
(c) is there line of sight to receiver? select from drop down ist in cells F28 to F47. Solid barrier can be in the form of r oad cutt curtain, timber lapped and capped fence, shipping container, site office, etc. Please note that vegetation and trees are not co
8. Identify the level above background and/or noise management level (see rows 57 to 62).
9. Identify and implement standard mitigation measures where feasible and reasonable. Include any shielding implemented as part of the selection in the 1s there line of sight to receiver' drop-down list.
10. Identify and implement feasible and reasonable additional mitigation measures (see rows 63 to 65).
11. Document a summary report detailing;
(a) project description (including location, duration, hours of work, construction methodology, plant, potentially impacted rece
(b) project description (including location, duration, hours of work, construction methodology, plant, potentially impacted rece
(c) predicted noise levels for each time period.
(e) sleep disturbance affected distance for night works.
(f) mitigation measures.
(g) team member responsible for implementing mitigation measures and managing noise and vibration.

(Note that suitable noise management levels for other noise-sensitive businesses not identified in the Construction Noise Estima for si

Type/ model plant (See Sources Sheet)	SWL LAeq (dB(A))	SPL @7m (dB(A))	Quantity	Individual distance to receiver (m)	Is there line of sight to receiver? Y/N	Quantity correction (dBA)	Shielding correction (dBA)	Distance used in calculation (m)	Contribution SPL (dB(A))
Vacuum truck	109	84	1		No (behind substantial solid barrier)	0	-10	120	46
Light vehicles	95	70			No (behind substantial solid barrier)	0	-10		-888
Truck (>20tonne)	106	81			No (behind solid barrier)	0	-5		-888
Small Hand Tools	90	65	1		No (behind substantial solid barrier)	0	-10	120	27
					No (behind solid barrier)	0	-5		-888
					No (behind solid barrier)	0	-5		-888
					No (behind solid barrier)	0	-5		-888
					No (behind solid barrier)	0	-5		-888
			1		No (behind solid barrier)	0	-5		-888
					No (behind solid barrier)	0	-5		-888
					No (behind solid barrier)	0	-5		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888

f. +15 hand tools

Total SPL L Aeq(15minute) (dB(A))

Project name		RP2J				
Scenario name		Signage				
Receiver address		335 McCaffrey Dr, Rankin	Park (R2660)			
Select area ground type	100 OF	Developed settlements (urban and suburban areas)				
Select type of background noise leve	l input	User Input				
		Representative Noise Environment	User Input			
Noise area category			î			
	Day		38			
RBL or LA98 Background level (dB(A))	Evening		35			
	Night		26			
	Day		48			
LAeg(15minute) Noise mangement level (dB(A))	Day (OOHW)		43			
Exeq(isimilate) noise mangement lever (db(x))	Evening		40			
	Night		31			
			1			
s all plant at the same representative distance to	the receiver? Y/N	Υ				
		40				

(b) where user input is selected - enter the measured background noise level for each time period (cells D17 to D19).

6. Is all plant at the same representative distance to the receiver? Select Y or N (cell C24):
(a) where Y is selected - enter the representative distance in cell C25.
(b) where N is selected - go to step #7
7. For the scenario (e.g., shallow excavation), select plant from the drop-down list in cells A28 to A47 (e.g. dump trucks + excavator),
(a) enter quantity for each selected plant in cells D28 to D47.
(b) where N is selected from step #6 - enter the distance to receiver receiver can be in the form of road cuttive curtain, timber lapped and capped fence, shipping container, site office, etc. Please note that vegetation and trees are not con 8. Identify the level above background and/or noise mangement level (see rows 57 to 52).
9. Identify and implement standard mitigation measures where feasible and reasonable. Include any shielding implemented as part of the selection in the 1s there line of sight to receiver' dop-down list.
10. Identify and implement feasible and reasonable additional mitigation measures (see rows 63 to 65).
11. Document a summary report detailing:
(a) project description (including location, duration, hours of work, construction methodology, plant, potentially impacted receive (b) background noise levels.
(c) noise management levels.
(d) predicted noise levels for each time period.
(e) sleep disturbance affected distance for night works.
(f) them member responsible for implementing mitigation measures and managing noise and vibration.

Note that suitable noise management levels for other noise sensitive businesses not identified in the Construction Noise Estimator she

that suitable noise management levels for other noise-sensitive businesses not identified in the Construction Noise Estima tor sh

Type/ model plant (See Sources Sheet)	SWL LAeq (dB(A))	SPL @7m (dB(A))	Quantity	Individual distance to receiver (m)	Is there line of sight to receiver? Y/N	Quantity correction (dBA)	Shielding correction (dBA)	Distance used in calculation (m)	Contribution SPL (dB(A))
Vacuum truck	109	84			No (behind substantial solid barrier)	0	-10		-888
Light vehicles	95	70			No (behind substantial solid barrier)	0	-10		-888
Truck (>20tonne)	106	81	100		No (behind solid barrier)	0	-5		-888
Small Hand Tools	90	65	1		No (behind substantial solid barrier)	0	-10	19	46
					No (behind solid barrier)	0	-5		-888
					No (behind solid barrier)	0	-5		-888
					No (behind solid barrier)	0	-5		-888
					No (behind solid barrier)	0	-5		-888
					No (behind solid barrier)	0	-5		-888
					No (behind solid barrier)	0	-5		-888
	1				No (behind solid barrier)	0	-5		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888

g. +5 vac truck

Project name		RP2J		(b) where	e user input is selected - enter the measured	background nois	se level for each	time period (cells D	7 to D19).
Scenario name		Signage			he same representative distance to the receiv		N (cell C24):		
Receiver address		335 McCaffrey Dr, Rankin F			e Y is selected - enter the representative dist	ance in cell C25.			
Select area ground type		Developed settlements (urban an	d suburban areas)		e N is selected - go to step #7		I'-4'II- 400		
Select type of background noise lev	el input	User Input	200		io (e.g. shallow excavation), select plant from quantity for each selected plant in cells D28		list in cells A28	to A47 (e.g. dump tri	icks + excav
					e N is selected from step #6 - enter the distar		r each individua	I plant in cells F28 to	F47
		Representative Noise Environment	User Input		re line of sight to receiver? select from drop of				
Noise area category					imber lapped and capped fence, shipping co			ote that vegetation ar	d trees are
	Day		38		el above background and/or noise mangeme				
RBL or LA90 Background level (dB(A))	Evening		35		 Identify and implement standard mitigation measures where feasible and reasonable. the selection in the 'Is there line of sight to receiver' drop-down list. 		asonable. Includ	ie any snieiding impi	emented as
	Night		26	10. Identify and implement feasible and reasonable additional mitigation measures (see rows 63 to 65).					
	Day		48		summary report detailing:		(000 10110 1		
	Day (OOHW)		43		ct description (including location, duration, ho	urs of work, con	struction method	iology, plant, potent	ally impact
LAeq(15minute) Noise mangement level (dB(A))	Evening		40	(b) backgroung noise levels.					
			31		management levels . cted noise levels for each time period.				
	Night		- 31		disturbance affected distance for night work				
is all plant at the same representative distance to the receiver? Y/N Representative distance (m)		Y		7000070 10 10000	member responsible for implementing mitigate to the management levels for other noise-s				Noise Esti
		280	All at Representative Distan	ce (Note that suitable	le noise management levels for other noise-s	constitue pusities			MOISE COM
representative distance (iii)		280	All at Representative Distan	ce (Note that suitable	e noise management levels for other noise-s				140ise Estil
Type/ model plant (See Sources Sheet)	SWL LAeq (dB(A))	SPL @7m (dB(A))		Individual distance to receiver (m)	Is there line of sight to receiver? Y/N	Quantity correction	Shielding correction	Distance used in calculation (m)	Contributi
				Individual distance to	Is there line of sight to receiver? Y/N	Quantity	Shielding	Distance used in	Contribut
Type/ model plant (See Sources Sheet)	SWL LAeq (dB(A))	SPL @7m (dB(A))	Quantity	Individual distance to		Quantity correction (dBA)	Shielding correction (dBA)	Distance used in calculation (m)	Contribut SPL (dB(
Type/ model plant (See Sources Sheet)	SWL LAeq (dB(A))	SPL @7m (dB(A))	Quantity	Individual distance to	Is there line of sight to receiver? Y/N No (behind substantial solid barrier)	Quantity correction (dBA)	Shielding correction (dBA) -10	Distance used in calculation (m)	Contribut SPL (dB(
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles	SWL LAeq (dB(A)) 109 95	SPL @7m (dB(A)) 84 70	Quantity	Individual distance to	Is there line of sight to receiver? Y/N No (behind substantial solid barrier) No (behind substantial solid barrier)	Quantity correction (dBA) 0	Shielding correction (dBA) -10	Distance used in calculation (m)	Contribut SPL (dB(36 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (<20tonne)	SWL LAeq (dB(A)) 109 95 106	SPL @7m (dB(A)) 84 70 81	Quantity 1	Individual distance to	Is there line of sight to receiver? Y/N No (behind substantial solid barrier) No (behind substantial solid barrier) No (behind solid barrier)	Quantity correction (dBA) 0 0	Shielding correction (dBA) -10 -10 -5	Distance used in calculation (m)	SPL (dB) 36 -888 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (<20tonne)	SWL LAeq (dB(A)) 109 95 106	SPL @7m (dB(A)) 84 70 81	Quantity 1	Individual distance to	Is there line of sight to receiver? Y/N No (behind substantial solid barrier)	Quantity correction (dBA) 0 0	Shielding correction (dBA) -10 -10 -5 -10 -5 -10 -5 -5	Distance used in calculation (m)	Contribut SPL (dB(36 -888 -888 17 -888 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (<20tonne)	SWL LAeq (dB(A)) 109 95 106	SPL @7m (dB(A)) 84 70 81	Quantity 1	Individual distance to	Is there line of sight to receiver? Y/N No (behind substantial sold barrier) No (behind substantial sold barrier) No (behind sold barrier) No (behind sold barrier) No (behind sold barrier) No (behind sold barrier)	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA) -10 -10 -5 -10 -5 -10 -5 -5 -5	Distance used in calculation (m)	Contribut SPL (dB(36 -888 -888 17 -888 -888 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (<20tonne)	SWL LAeq (dB(A)) 109 95 106	SPL @7m (dB(A)) 84 70 81	Quantity 1	Individual distance to	Is there line of sight to receiver? Y/N No (behind substantial solid barrier) No (behind solid barrier) No (behind solid barrier)	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA) -10 -10 -10 -5 -10 -5 -10 -5 -5 -5 -5 -5	Distance used in calculation (m)	36 -888 -888 17 -888 -888 -888 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (<20tonne)	SWL LAeq (dB(A)) 109 95 106	SPL @7m (dB(A)) 84 70 81	Quantity 1	Individual distance to	Is there line of sight to receiver? Y/N No (behind substantial sold barrier) No (behind sold barrier)	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA) -10 -10 -5 -5 -5 -5 -5 -5	Distance used in calculation (m)	Contribut SPL (dB) 36 -888 -888 17 -888 -888 -888 -888 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (<20tonne)	SWL LAeq (dB(A)) 109 95 106	SPL @7m (dB(A)) 84 70 81	Quantity 1	Individual distance to	Is there line of sight to receiver? Y/N No (behind substantial solid barrier) No (behind substantial solid barrier) No (behind solid barrier)	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA) -10 -10 -5 -10 -5 -5 -5 -5 -5 -5 -5 -5	Distance used in calculation (m)	Contribu SPL (dB) 36 -888 -888 17 -888 -888 -888 -888 -888 -
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (<20tonne)	SWL LAeq (dB(A)) 109 95 106	SPL @7m (dB(A)) 84 70 81	Quantity 1	Individual distance to	Is there line of sight to receiver? Y/N No (behind substantial sold barrier) No (behind sold barrier)	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA) -10 -10 -5 -5 -5 -5 -5 -5	Distance used in calculation (m)	Contribu SPL (dB) 36 -888 -888 17 -888 -888 -888 -888 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (<20tonne)	SWL LAeq (dB(A)) 109 95 106	SPL @7m (dB(A)) 84 70 81	Quantity 1	Individual distance to	Is there line of sight to receiver? Y/N No (behind substantial solid barrier) No (behind solid barrier)	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA) -10 -10 -5 -10 -5 -5 -5 -5 -5 -5 -5 -5	Distance used in calculation (m)	Contribu SPL (dB) 36 -888 -888 17 -888 -888 -888 -888 -888 -
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (<20tonne)	SWL LAeq (dB(A)) 109 95 106	SPL @7m (dB(A)) 84 70 81	Quantity 1	Individual distance to	Is there line of sight to receiver? Y/N No (behind substantial solid barrier) No (behind solid barrier)	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA) -10 -10 -5 -10 -5 -5 -5 -5 -5 -5 -5 -5	Distance used in calculation (m)	Contribut SPL (dB) 36 -888 -888 17 -888 -888 -888 -888 -888 -
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (<20tonne)	SWL LAeq (dB(A)) 109 95 106	SPL @7m (dB(A)) 84 70 81	Quantity 1	Individual distance to	Is there line of sight to receiver? Y/N No (behind substantial solid barrier) No (behind solid barrier) Yes	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA) -10 -10 -5 -10 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5	Distance used in calculation (m)	Contribut SPL (dB) 36 -888 -888 17 -888 -888 -888 -888 -888 -
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (<20tonne)	SWL LAeq (dB(A)) 109 95 106	SPL @7m (dB(A)) 84 70 81	Quantity 1	Individual distance to	Is there line of sight to receiver? YN No (behind substantial solid barrier) No (behind substantial solid barrier) No (behind substantial solid barrier) No (behind solid barrier) Ves Yes	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA) -10 -10 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5	Distance used in calculation (m)	Contribut SPL (dB) 36 -888 -888 17 -888 -888 -888 -888 -888 -
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (<20tonne)	SWL LAeq (dB(A)) 109 95 106	SPL @7m (dB(A)) 84 70 81	Quantity 1	Individual distance to	Is there line of sight to receiver? Y/N No (behind substantial solid barrier) No (behind solid barrier) Yess Yes Yes	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA) -10 -10 -5 -10 -5 -5 -5 -5 -5 -5 0 0	Distance used in calculation (m)	Contribut SPL (dB) 36 -888 -888 -888 -888 -888 -888 -888 -
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (<20tonne)	SWL LAeq (dB(A)) 109 95 106	SPL @7m (dB(A)) 84 70 81	Quantity 1	Individual distance to	Is there line of sight to receiver? Y/N No (behind substantial solid barrier) No (behind solid barrier) Yes Yes Yes Yes Yes Yes Yes	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA)	Distance used in calculation (m)	Contribut SPL (dB) 36 -888 -888 -888 -888 -888 -888 -888 -
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne)	SWL LAeq (dB(A)) 109 95 106	SPL @7m (dB(A)) 84 70 81	Quantity 1	Individual distance to	Is there line of sight to receiver? Y/N No (behind substantial solid barrier) No (behind solid barrier) Yes	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA) -10 -10 -10 -5 -5 -5 -5 -5 -5 -5 -5 -0 0 0 0 0 0 0	Distance used in calculation (m)	Contribut SPL (dB/ 36 -888 -888 -888 -888 -888 -888 -888 -
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (<20tonne)	SWL LAeq (dB(A)) 109 95 106	SPL @7m (dB(A)) 84 70 81	Quantity 1	Individual distance to	Is there line of sight to receiver? Y/N No (behind substantial solid barrier) No (behind solid barrier) Yes Yes Yes Yes Yes Yes Yes	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA)	Distance used in calculation (m)	Contribut SPL (dB(36 -888 -888 17 -888 -888 -888 -888 -888 -

					Yes	0	0		-888
Total SPL L Aeq(15minute) (di	B(A))	36							
h. +5 ha	and tools	3							
Project name		RP2J		(b) where	user input is selected - enter the measured	background noi	ise level for each	time period (cells D	17 to D19).
Scenario name		Signage		6. Is all plant at th	e same representative distance to the recei	ver? Select Y or	N (cell C24):		
Receiver address		335 McCaffrey Dr, Rankin			Y is selected - enter the representative dis-	tance in cell C25			
Select area ground type		Developed settlements (urban ar	id suburban areas)		N is selected - go to step #7 o (e.g. shallow excavation), select plant fro	m the dree down	list in cells A29	to A47 (a.a. dump tr	uoka + ovoavate
Select type of background noise le	verinput	User Input		(a) enter of	quantity for each selected plant in cells D28 N is selected from step #6 - enter the dista	to D47.			
200		Representative Noise Environment	User Input	(c) is ther	e line of sight to receiver? select from drop	down list in cells	F28 to F47. Soli	d barrier can be in th	ne form of road
Noise area category					mber lapped and capped fence, shipping co el above background and/or noise mangem			ote that vegetation a	nd trees are not
	Day		38		plement standard mitigation measures when			de any shielding impl	emented as pa
RBL or LA90 Background level (dB(A))	Evening		35	the selection in th	ne 'Is there line of sight to receiver' drop-do	wn list.		G 5 G	1,5
	Night		26		nplement feasible and reasonable additiona	I mitigation meas	sures (see rows	63 to 65).	
	Day		48		ummary report detailing: t description (including location, duration, h	num of work	atrustian met-	dology plant # -+	fially impasts 4 ·
LAeq(15minute) Noise mangement level (dB(A))	Day (OOHW)		43		round noise levels.	burs of work, con	istruction methor	dology, plant, poteni	Jally Impacted 1
LAequisminutes noise mangement level (db(A))	Evening		40		management levels .				
	Night		31	(d) predic	ted noise levels for each time period.				
		dia di	2		disturbance affected distance for night work	S.			
s all plant at the same representative distance	to the receiver? Y/N	Ŷ		(g) team i	ion measures. member responsible for implementing mitiga				
Representative distance (m)	50	All at Representative Dis	tance (Note that suitable	e noise management levels for other noise -	sensitive busines	sses not identifie	d in the Construction	Noise Estima to
Type/ model plant (See Sources Sheet)	SWL LAeq (dB(A))	SPL @7m (dB(A))	Quantity	Individual distance to receiver (m)	Is there line of sight to receiver? Y/N	Quantity correction (dBA)	Shielding correction (dBA)	Distance used in calculation (m)	Contribution SPL (dB(A))
Vacuum truck	109	84			No (behind substantial solid barrier)	0	-10		-888
Light vehicles	95	70			No (behind substantial solid barrier)	0	-10		-888
Truck (>20tonne)	106	81			No (behind solid barrier)	0	-5		-888
Small Hand Tools	90	65	1		No (behind substantial solid barrier)	0	-10	50	36
					No (behind solid barrier)	0	-5		-888 -888
					No (behind solid barrier)	0	-5 -5		-888
					No (behind solid barrier) No (behind solid barrier)	0	-5		-888
					No (behind solid barrier)	0	-5		-888
					No (behind solid barrier)	0	-5	1	-888
					No (behind solid barrier)	0	-5		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	ō	0		-888
		-			Yes	0	0	<u> </u>	-888
		<u> </u>			Yes	0	0	1	-888
					Yes	0	0		-888
					Yes	0	0	<u> </u>	-888
					Yes	0	0		-888
Total SPL L Aeg(15minute) (dE	B(A))	36	İ						
	1.77		· ·						

NML vac truck

Project name		RP2J				
Scenario name		Signage				
Receiver address		335 McCaffrey Dr, Rankin	Park (R2660)			
Select area ground type		Developed settlements (urban and suburban areas)				
Select type of background noise leve	l input	User Input				
		Representative Noise Environment	User Input			
Noise area category)				
	Day		38			
RBL or LA90 Background level (dB(A))	Evening		35			
	Night		26			
	Day		48			
LAeg(15minute) Noise mangement level (dB(A))	Day (OOHW)		43			
LAeq(Ibminute) Noise mangement level (db(A))	Evening		40			
1	Night		31			
s all plant at the same representative distance to	the receiver? Y/N	Ÿ				
Representative distance (m)		430	All at Representative Distance			

(b) where user input is selected - enter the measured background noise level for each time period (cells D17 to D19).

6. Is all plant at the same representative distance to the receiver? Select Y or N (cell C24):
(a) where Y is selected - go to step \$77

7. For the scenario (e.g., shallow excavation), select plant from the drop-down list in cells A28 to A47 (e.g. dump trucks + excavator).
(a) enter quantity for each selected plant in cells D28 to D47.
(b) where N is selected from step \$6\$ - enter the distance to receiver for each individual plant in cells E28 to E47.
(c) is there line of sight to receiver? select from drop down list in cells F28 to F47. Solid barrier can be in the form of r oad cu curtain, timber lapped and capped fence, shipping container, site office, etc. Please note that vegetation and trees are not c
8. Identify the level above background and/or noise mangement level (see rows 57 to 62).
9. Identify and implement standard mitigation measures where feasible and reasonable. Include any shielding implemented as part in the selection in the 1s there line of sight to receiver drop-down list.
10. Identify and implement feasible and reasonable additional mitigation measures (see rows 63 to 65).
11. Document a summary report detailing:
(a) project description (including location, duration, hours of work, construction methodology, plant, potentially impacted rec
(b) noise management levels
(c) predicted noise levels for each time period.
(e) sleep disturbance affected distance for night works.
(f) mitigation measures.
(g) team member responsible for implementing mitigation measures and managing noise and vibration.

Representative distance (n	Representative distance (m)		All at Representative Distance	(Note that suitab	itable noise management levels for other noise-sensitive businesses not identified in the Construction Noise Estima						
Type/ model plant (See Sources Sheet)	SWL LAeq (dB(A))	SPL @7m (dB(A))	Quantity	Individual distance to receiver (m)	Is there line of sight to receiver? Y/N	Quantity correction (dBA)	Shielding correction (dBA)	Distance used in calculation (m)	Contribution		
Vacuum truck	109	84	1		No (behind substantial solid barrier)	0	-10	430	31		
Light vehicles	95	70	1		No (behind substantial solid barrier)	0	-10	430	17		
Truck (>20tonne)	106	81			No (behind solid barrier)	0	-5		-888		
Small Hand Tools	90	65	1		No (behind substantial solid barrier)	0	-10	430	12		
					No (behind solid barrier)	0	-5		-888		
					No (behind solid barrier)	0	-5		-888		
					No (behind solid barrier)	0	-5		-888		
				No (behind solid barrier)	0	-5		-888			
					No (behind solid barrier)	0	-5		-888		
					No (behind solid barrier)	0	-5		-888		
					No (behind solid barrier)	0	-5		-888		
					Yes	0	0		-888		
					Yes	0	0		-888		
					Yes	0	0		-888		
					Yes	0	0		-888		
					Yes	0	0		-888		
					Yes	0	0		-888		
					Yes	0	0		-888		
					Yes	0	0		-888		
					Yes	0	0		-888		

NML hand tools

Total SPL L Aeq(15minute) (dB(A))

Representative distance (m)

Froject name		RP2J	
Scenario name		Signage	
Receiver address		335 McCaffrey Dr, Rankin Pari	(R2660)
Select area ground type		Developed settlements (urban and s	uburban areas)
Select type of background noise leve	l input	User Input	10
		Representative Noise Environment	User Input
Noise area category			
	Day		38
RBL or LA90 Background level (dB(A))	Evening		35
	Night		26
	Day		48
Select type of background noise lev Noise area category	Day (OOHW)		43
Exequisimilate) noise mangement level (db(x))	Evening		40
	Night		31

(b) where user input is selected - enter the measured background noise level for each time period (cells D17 to D19).

6. Is all plant at the same representative distance to the receiver? Select Y or N (cell C24):

(a) where Y is selected - onter the representative distance in cell C25.

(b) where N is selected - ont step 57.

7. For the scenario (e.g. shallow excavation), select plant from the drop-down list in cells A28 to A47 (e.g. dump trucks + excavator);

(a) enter quantity for each selected plant in cells D28 to D47.

(b) where N is selected from step #6. -enter the distance to receiver for each individual plant in cells E28 to E47.

(c) is there line of sight to receiver? select from drop down list in cells F28 to F47. Solid barrier can be in the form of r oad ci curtain, timber lapped and capped fence, shipping container, site office, etc. Please note that vegetation and trees are not (
8. Identify the level above background and/or noise mangement level (see rows 57 to 62).

9. Identify and implement standard miligation measures where feasible and reasonable. Include any shielding implemented as part the selection in the 1s there line of sight to receiver drop-down in displant measures (see rows 63 to 65).

11. Document a summary report detailing.

(a) project description (including location, duration, hours of work, construction methodology, plant, potentially impacted re (b) background noise levels for each time period (c) predicted noise levels for each time period (e) sleep disturbance affected distance for night works.

(f) mitigation measures.

(g) team member responsible for implementing mitigation measures and managing noise and vibration.

(Note that suitable noise management levels for other noise-sensitive businesses not identified in the Construction Noise Estimator

Type/ model plant (See Sources Sheet)	SWL LAeq (dB(A))	SPL @7m (dB(A))	Quantity	Individual distance to receiver (m)	Is there line of sight to receiver? Y/N	Quantity correction (dBA)	Shielding correction (dBA)	Distance used in calculation (m)	Contributio SPL (dB(A)
Vacuum truck	109	84			No (behind substantial solid barrier)	0	-10		-888
Light vehicles	95	70			No (behind substantial solid barrier)	0	-10		-888
Truck (>20tonne)	106	81			No (behind solid barrier)	0	-5		-888
Small Hand Tools	90	65	1		No (behind substantial solid barrier)	0	-10	90	31
					No (behind solid barrier)	0	-5		-888
					No (behind solid barrier)	0	-5		-888
					No (behind solid barrier)	0	-5		-888
					No (behind solid barrier)	0	-5		-888
					No (behind solid barrier)	0	-5		-888
					No (behind solid barrier)	0	-5		-888
					No (behind solid barrier)	0	-5		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
		<u></u>			Yes	0	0		-888
					Yes	0	0		-888

All at Representative Distance

2. Signage NCA 12 - R2810 (160 Grandview Road, New Lambton Heights)

a. Worst case

Project name		RP2J				
Scenario name		Signage				
Receiver address		160 Grandview New Lambton I	Heights (R2810)			
Select area ground type		Developed settlements (urban and suburban areas)				
Select type of background noise le	evel input	User Input				
	[nepresentative noise	User Input			
Noise area category						
	Day		36			
RBL or Lase Background level (dB(A))	Evening		36			
	Night		27			
	Day		46			
LAcq(15minute) Noise mangement level	Day (OOH¥)		41			
(dB(A))	Evening		41			
	Night		32			
Is all plant at the same representative d receiver? Y/N	listance to the	Υ				

(b) where user input is selected - enter the measured background noise level for each time period (cells D17 to D19).

6. Is all plant at the same representative distance to the receiver? Select Y or N (cell C24):
(a) where Y is selected - enter the representative distance in cell C25.
(b) where N is selected - got step #7.

7. For the scenario (e.g., shallow excavation), select plant from the drop-down list in cells A28 to A47 (e.g. dump trucks + excavator).
(a) enter quantity for each selected plant in cells D28 to D47.
(b) where N is selected from step #6 - enter the distance to receiver for each individual plant in cells E28 to E47.
(c) is there line of sight to receiver? select from drop down list in cells F28 to F47. Solid barrier can be in the form of nod cut curtain, timber lapped and capped fence, shipping container, site office, etc. Please note that vegetation and trees are notoo
8. Identify the level above background and/or noise mangement level (see rows 57 to 02).
9. Identify and implement standard mitigation measures where feasible and reasonable. Include any shielding implemented as part of the selection in the 1s there line of sight to receiver' drop-down list.
10. Identify and implement feasible and reasonable additional mitigation measures (see rows 63 to 65).
11. Document a summary report detailing:
(a) project description (including location, duration, hours of work, construction methodology, plant, potentially impacted rece
(b) background noise levels.
(c) noise management levels.
(d) predicted noise levels for each time period.
(e) sileep disurbance affected distance for night works.
(f) mitigation measures.
(g) team member responsible for implementing mitigation measures not identified in the Construction Noise Residence of the property of the construction Noise Residence of the prop

(Note that suitable noise management levels for other noise-sensitive businesses not identified in the Construction Noise Estimator si

All at Representative Distance

| Note that suitable noise management levels for other noise speciliast for more information)

pel model plant (See Sources Sheet) S	¥L La⊶ (dB(A))	SPL @7m (dB(A))	Quantity	Individual distance to receiver (m)	Is there line of sight to receiver? Y/N	Quantity correction (dBA)		Distance used in calculation (m)	n SPL (dB(A))
Vacuum truck	109	84			No (behind substantial solid barrier)	0	-10		-888
Light vehicles	95	70			No (behind solid barrier)	0	-5		-888
Truck (>20tonne)	106	81			No (behind solid barrier)	0	-5		-888
Small Hand Tools	90	65	1		No (behind substantial solid barrier)	0	-10	6	56
					No (behind solid barrier)	0	-5		-888
					No (behind solid barrier)	0	-5		-888
					No (behind solid barrier)	0	-5		-888
					No (behind solid barrier)	0	-5		-888
					No (behind solid barrier)	0	-5		-888
					No (behind solid barrier)	0	-5		-888
					No (behind solid barrier)	0	-5		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888

b. +25

Project name RP2J					
Scenario name		Signage			
Receiver address		160 Grandview New Lambton	Heights (R2810)		
Select area ground type Developed settlements (urban and suburban a					
Select type of background noise le	Select type of background noise level input User Input				
		nepresentative Noise	User Input		
Noise area category					
	Day		36		
DDI or Lass Dackground lovel (dD(A))	Faradas		00		

		Engironment	User Input
Noise area category			
	Day		36
RBL or Lase Background level (dB(A))	Evening		36
	Night		27
	Day		46
LAsq(15minuts) Noise mangement level	Day (OOH♥)		41
(dB(A))	Evening		41
	Night		32

Is all plant at the same representative distance to the receiver? Y/N Representative distance (m)

(b) where user input is selected - enter the measured background noise level for each time period (cells D17 to D19).

6. Is all plant at the same representative distance to the receiver? Select Y or N (cell C24):
(a) where Y is selected - enter the representative distance in cell C25.
(b) where N is selected - pot step #7
7. For the scenario (e.g., shallow excavation), select plant from the drop-down list in cells A28 to A47 (e.g. dump trucks + excavator).
(a) enter quantity for each selected plant in cells D28 to D17.
(b) where N is selected from step #8 - enter the distance to receiver for each individual plant in cells E28 to E47.
(c) is there line of sight to receiver? select from drop down list in cells F28 to F47. Solid barrier can be in the form of road cutt curtain, timber lapped and capped fence, shipping container, site office, etc. Please note that vegetation and trees are notoo
8. Identify the level above background and/or noise mangement level (see rows 57 to 62).
0. Identify and implement standard mitigation measures where feasible and reasonable. Include any shielding implemented as part of the selection in the 1s there line of sight to receiver drop-down list.
10. Identify and implement feasible and reasonable additional mitigation measures (see rows 63 to 65).
11. Document a summary report detailing:
(a) project description (including location, duration, hours of work, construction methodology, plant, potentially impacted rece
(b) background noise levels.
(c) noise management levels.
(d) predicted noise levels for each time period.
(e) sleep disurbance affected distance for night works.
(f) mitigation measures.
(g) team member responsible for implementing mitigation measures and managing noise and vibration.

(Note that suitable noise management levels for other noise-sensitive businesses not identified in the Construction Noise Estimator si

All at Representative Distance

Dasis, Please contact a Roads and Maritime noise speciliast for more information)

Type/ model plant (See Sources Sheet)			Quantity	Individual distance to receiver (m)	Is there line of sight to receiver? Y/N	Quantity correction (dBA)	correction (dBA)	Distance used in calculation (m)	n SPL (dB(A))
Vacuum truck	109	84			No (behind substantial solid barrier)	0	-10		-888
Light vehicles	95	70			No (behind solid barrier)	0	-5		-888
Truck (>20tonne)	106	81			No (behind solid barrier)	0	-5		-888
Small Hand Tools	90	65	1		No (behind substantial solid barrier)	0	-10	6	56
					No (behind solid barrier)	0	-5		-888
					No (behind solid barrier)	0	-5		-888
					No (behind solid barrier)	0	-5		-888
					No (behind solid barrier)	0	-5		-888
					No (behind solid barrier)	0	-5		-888
					No (behind solid barrier)	0	-5		-888
					No (behind solid barrier)	0	-5		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888

Project name	RP2J			
Scenario name	Signage			
Receiver address	160 Grandview New Lambton Heights (R2810)			
Select area ground type	Developed settlements (urban and suburban areas)			
	User Input			
Select type of background noise level input	User Input			
Select type of background noise level input	User Input			
Select type of background noise level input	nepresentative noise	User Input		
Select type of background noise level input Noise area category	nepresentative Noise	User Input		

		representative noise	User Input
Noise area category			
	Day		36
RBL or Lase Background level (dB(A))	Evening		36
	Night		27
	Day		46
LA+4(15minute) Noise mangement level	Day (OOHV)		41
(dB(A))	Evening		41
	Night		32

(b) where user input is selected, enter the measured background noise level for each time period (cells D17 to D19).

8. Is all pinal at the same representative distance to the receiver? Select? or N (cell C24):

(a) where Y is selected — one step and the representative distance in cell C25.

(b) where N is selected — one step 47.

7. For the scenario (e.g., shallow excavation), select plant from the drop-down list in cells A28 to A47 (e.g., dump trucks + excavator).

(a) enter quantity for each selected plant in cells D28 to D47.

(b) where N is selected from step #6 - enter the distance to receiver for each individual plant in cells E28 to E47.

(c) is there line of sight to receiver? select from drop down list in cells F28 to F47. Solid barrier can be in the form of noad cutti curtain, timber lapped and capped fence, shipping container, site office, etc. Please note that vegetation and trees are notor 8. Identify the level above background and/or noise mangement level (see rows 57 to 62).

9. Identify and implement standard mitigation measures where feasible and reasonable. Include any shielding implemented as part of the selection in the 1s there line of sight to receiver? drop-down list.

10. Identify and implement feasible and reasonable additional mitigation measures (see rows 63 to 65).

11. Document a summary report detailing:

(a) project description (including location, duration, hours of work, construction methodology, plant, potentially impacted receil (b) background noise levels for each time period.

(d) predicted noise levels for each time period.

(e) sleep disturbance affected distance for night works.

(f) mitigation measures.

(g) team member responsible for implementing mitigation measures and intentified in the Construction Noise Estimator sh

Is all plant at the same representative distance to the receiver? Y/N (Note that suitable noise management levels for other noise-sensitive businesses not identified in the Construction Noise Estimator sh

All at Representative Distance, basis, Please contact a Roads and Maritime noise speciliast for more information) Representative distance (m)

			<u>1</u>						
Type/ model plant (See Sources Sheet)	SVL Lass (dB(A))	SPL @7m (dB(A))	Quantity	Individual distance to receiver (m)	Is there line of sight to receiver? Y/N	Quantity correction (dBA)	Shielding correction (dBA)	Distance used in calculation (m)	Contribut n SPL (dB(A))
Vacuum truck	109	84			No (behind substantial solid barrier)	0	-10		-888
Light vehicles	95	70			No (behind solid barrier)	0	-5		-888
Truck (>20tonne)	106	81			No (behind solid barrier)	0	-5		-888
Small Hand Tools	90	65	1		No (behind substantial solid barrier)	0	-10	18	47
					No (behind solid barrier)	0	-5		-888
					No (behind solid barrier)	0	-5		-888
					No (behind solid barrier)	0	-5		-888
					No (behind solid barrier)	0	-5		-888
					No (behind solid barrier)	0	-5		-888
					No (behind solid barrier)	0	-5		-888
					No (behind solid barrier)	0	-5		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888

d. +5

Total SPL L Aeg[15minute] (dB(A))

Project name	RP2J
Scenario name	Signage
Receiver address	160 Grandview New Lambton Heights (R2810)
Select area ground type	Developed settlements (urban and suburban areas)

		Representative Noise Environment	User Input
Noise area category			
	Day		36
RBL or LA90 Background level (dB(A))	Evening		36
	Night		27
1	Day		46
LAeg(15minute) Noise mangement level (dB(A))	Day (OOHW)		41
LAequisminute) Noise mangement level (db(A))	Evening		41
	Night		32

Is all plant at the same representative distance to the receiver? Y/N Representative distance (m)

(b) where user input is selected - enter the measured background noise level for each time period (cells D17 to D19).

6. Is all plant at the same representative distance to the receiver? Select Y or N (cell C24).

(b) where N is selected - glo to step 37.

7. For the scenario (e.g. shallow escavation), select plant from the drop-down list in cells A28 to A47 (e.g. dump trucks + excavator).

(a) enter quantity for each selected plant in cells D25 to D47.

(b) where N is selected from step #6 - enter the distance to receiver for each individual plant in cells E28 to E47.

(c) is there line of sight to receiver? select from drop down list in cells P28 to D47. Solid barrier can be in the form of road cut curtain, timber lapped and capped fence, shipping container, site office, etc. Please note that vegetation and trees are not cc.

8. Identify the level above background and/or noise management level (see rows 57 to 62).

9. Identify and implement standard mitigation measures where feasible and reasonable. Include any shielding implemented as part of the selection in the 1s there line of sight to receiver drop-down list.

10. Identify and implement feasible and reasonable additional mitigation measures (see rows 63 to 65).

11. Document a summary report detailing:

(a) project description (including location, duration, hours of work, construction methodology, plant, potentially impacted reci
(b) background noise levels.

(c) noise management levels.

(d) predicted noise serves for each time period.

(e) sleep disturbance affected distance for night works.

(f) mitigation measures.

(o) the management levels of the propers of the propers of the different in the Construction Noise Estimator s.

(Note that suitable noise management levels for other noise-sensitive businesses not identified in the Construction Noise Estimator's

Quantity correction (dBA) Shielding correction (dBA)

Distance used in calculation (m)

SPL (dB(A)) Type/ model plant (See Sources Sheet) SWL LAeq (dB(A)) SPL @7m (dB(A)) Quantity Is there line of sight to receiver? Y/N -888

e. NML

				a number	or examples to map sereet the holse their e	atogory.					
Project name											
Scenario name		Signage			e same representative distance to the receiv		N (cell C24):				
Receiver address		160 Grandview New Lambton									
Select area ground type			(b) where N is selected - go to step #7 7. For the scenario (e.g. shallow excavation), select plant from the drop-down list in cells A28 to A47			to A47 (a.a. dump to	ucke + evenua				
Select type of background noise lev	el input	User Input		(a) enter quantity for each selected plant in cells D28 to D47.			list III cells A20	to A47 (e.g. dump in	ucks + excava		
				(b) where	N is selected from step #6 - enter the distar	nce to receiver fo					
Maine anne ante una		Representative Noise Environment	User Input		re line of sight to receiver? select from drop of mber lapped and capped fence, shipping co						
Noise area category			1,001		el above background and/or noise mangeme			ole iliai vegetation at	id frees are fr		
	Day		36		plement standard mitigation measures when			de any shielding impl	emented as p		
RBL or LA90 Background level (dB(A))	Evening		36	the selection in ti	he 'Is there line of sight to receiver' drop-dov	vn list.					
1	Night		27		nplement feasible and reasonable additional	mitigation meas	ures (see rows 6	63 to 65).			
	Day		46		summary report detailing:						
1 - 45 1 - N-1 145/AN	Day (OOHW)		41		t description (including location, duration, ho round noise levels.	ours of work, con	struction method	dology, plant , potent	ially impacted		
LAeq(15minute) Noise mangement level (dB(A))	Evening		41		management levels .						
	Night		32	(d) predic	ted noise levels for each time period.						
					disturbance affected distance for night work	S.					
Is all plant at the same representative distance	to the receiver? Y/N	Y			tion measures. member responsible for implementing mitiga	tion measures a	nd managing no	ise and vibration.			
			No. of the East Control of	(Note that suitable	a pains management levels for other pains	annitiva huninan	usinesses not identified in the Construction Noise E				
Representative distance (m)		75	All at Representative Distance (Note that suitable noise management levels for other noise-s		sensitive pusities	ses not identille	u iii tile Constituction	INDISC ESTITIO			
Type/ model plant (See Sources Sheet)	SWL LAeq (dB(A))	SPL @7m (dB(A))	Quantity	Individual distance to receiver (m)	Is there line of sight to receiver? Y/N	Quantity correction (dBA)	Shielding correction (dBA)	Distance used in calculation (m)	Contributio SPL (dB(A)		
Type/ model plant (See Sources Sheet) Vacuum truck	SWL LAeq (dB(A))	SPL @7m (dB(A))	Quantity		Is there line of sight to receiver? Y/N No (behind substantial solid barrier)	correction	correction				
			Quantity			correction (dBA)	correction (dBA)		SPL (dB(A		
Vacuum truck	109	84	Quantity		No (behind substantial solid barrier)	correction (dBA)	correction (dBA) -10		SPL (dB(A) -888		
Vacuum truck Light vehicles	109 95	84 70	Quantity 1		No (behind substantial solid barrier) No (behind solid barrier)	correction (dBA) 0	correction (dBA) -10 -5		-888 -888		
Vacuum truck Light vehicles Truck (>20tonne)	109 95 106	84 70 81			No (behind substantial solid barrier) No (behind solid barrier) No (behind solid barrier)	correction (dBA) 0 0	correction (dBA) -10 -5 -5	calculation (m)	-888 -888 -888		
Vacuum truck Light vehicles Truck (>20tonne)	109 95 106	84 70 81			No (behind substantial solid barrier) No (behind solid barrier) No (behind solid barrier) No (behind substantial solid barrier)	correction (dBA) 0 0 0	correction (dBA) -10 -5 -5 -10	calculation (m)	-888 -888 -888 -888 32		
Vacuum truck Light vehicles Truck (>20tonne)	109 95 106	84 70 81			No (behind substantial solid barrier) No (behind solid barrier)	0 0 0 0 0 0	correction (dBA) -10 -5 -5 -10 -5 -5 -5 -5	calculation (m)	-888 -888 -888 32 -888 -888 -888		
Vacuum truck Light vehicles Truck (>20tonne)	109 95 106	84 70 81			No (behind substantial solid barrier) No (behind solid barrier)	0 0 0 0 0 0 0	correction (dBA) -10 -5 -5 -10 -5 -5 -5 -5 -5	calculation (m)	-888 -888 -888 32 -888 -888 -888 -888		
Vacuum truck Light vehicles Truck (>20tonne)	109 95 106	84 70 81			No (behind substantial solid barrier) No (behind solid barrier)	0 0 0 0 0 0 0 0	correction (dBA) -10 -5 -5 -10 -5 -5 -5 -5	calculation (m)	-888 -888 -888 32 -888 -888 -888		
Vacuum truck Light vehicles Truck (>20tonne)	109 95 106	84 70 81			No (behind substantial solid barrier) No (behind solid barrier)	0 0 0 0 0 0 0 0 0 0	correction (dBA) -10 -5 -5 -10 -5 -5 -5 -5 -5	calculation (m)	-888 -888 -888 32 -888 -888 -888 -888		
Vacuum truck Light vehicles Truck (>20tonne)	109 95 106	84 70 81			No (behind substantial solid barrier) No (behind solid barrier)	Correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	correction (dBA) -10 -5 -5 -10 -5 -5 -5 -5 -5 -5	calculation (m)	SPL (dB(A -888 -888 -888 -888 -888 -888 -888 -8		
Vacuum truck Light vehicles Truck (>20tonne)	109 95 106	84 70 81			No (behind substantial solid barrier) No (behind solid barrier)	Correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0	correction (dBA) -10 -5 -5 -10 -5 -5 -5 -5 -5 -5 -5	calculation (m)	SPL (dB(A -888 -888 -888 -888 -888 -888 -888 -8		
Vacuum truck Light vehicles Truck (>20tonne)	109 95 106	84 70 81			No (behind substantial solid barrier) No (behind solid barrier)	correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0	correction (dBA) -10 -5 -5 -10 -5 -5 -5 -5 -5 -5 -5 -5	calculation (m)	SPL (dB(A -888 -888 -888 -888 -888 -888 -888 -888 -888 -888		
Vacuum truck Light vehicles Truck (>20tonne)	109 95 106	84 70 81			No (behind substantial solid barrier) No (behind substantial solid barrier) No (behind solid barrier)	correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	correction (dBA) -10 -5 -5 -10 -5 -5 -5 -5 -5 -5 -5 -5 -5	calculation (m)	SPL (dB(A -888 -888 -888 -888 -888 -888 -888 -8		
Vacuum truck Light vehicles Truck (>20tonne)	109 95 106	84 70 81			No (behind substantial solid barrier) No (behind solid barrier) Yes Yes	correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	correction (dBA)	calculation (m)	SPL (dB(A -888 -888 -888 -888 -888 -888 -888 -8		
Vacuum truck Light vehicles Truck (>20tonne)	109 95 106	84 70 81			No (behind substantial solid barrier) No (behind solid barrier) Yes Yes Yes	correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	correction (dBA) -10 -5 -5 -5 -10 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -0 0	calculation (m)	SPL (dB(A -888 -888 -888 -888 -888 -888 -888 -8		
Vacuum truck Light vehicles Truck (>20tonne)	109 95 106	84 70 81			No (behind substantial solid barrier) No (behind solid barrier) Yes Yes Yes Yes	correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	correction (dBA) -110 -5 -5 -10 -5 -5 -5 -5 -5 -5 -5 -0 0 0	calculation (m)	SPL (dB(A -888 -888 -888 -888 -888 -888 -888 -8		
Vacuum truck Light vehicles Truck (>20tonne)	109 95 106	84 70 81			No (behind substantial solid barrier) No (behind solid barrier) Yes Yes Yes Yes Yes	correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	correction (dBA) -110 -5 -5 -10 -5 -5 -5 -5 -5 -5 -5 -0 0 0 0	calculation (m)	SPL (dB(A - 888 -		
Vacuum truck Light vehicles Truck (>20tonne)	109 95 106	84 70 81			No (behind substantial solid barrier) No (behind substantial solid barrier) No (behind solid barrier) Yes Yes Yes Yes Yes Yes	correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	correction cor	calculation (m)	SPL (dB(A) -888 -888 -888 -888 -888 -888 -888 -8		

3. Signage NCA 13 – 119 Lookout Rd, New Lambton Heights (R2747)

a. Worst case

				(b) where user input is selected - enter the measured background noise level for each time period (cells D17 to D19).				
Project name	Scenario name Signage			(b) where user input is selected - enter the measured background hoise level for each time period (cells D17 to D1 6. Is all plant at the same representative distance to the receiver? Select Y or N (cell C24):				
				is an plant at the same representative distance to the receiver? Select Y or N (cell 0.24); (a) where Y is selected - enter the representative distance in cell C25.				
Receiver address		119 Lookout Rd, New Lambton	Heights (R2747)	(a) where Y is selected - go to step #7 (b) where N is selected - go to step #7				
Select area ground type	Value de la constante de la co	Developed settlements (urban an	id suburban areas)	7. For the scenario (e.g. shallow excavation), select plant from the drop-down list in cells A28 to A47 (e.g. dump trucks + excavator)				
Select type of background noise le	vel input	User Input	20	(a) enter quantity for each selected plant in cells D28 to D47.				
				(b) where N is selected from step #6 - enter the distance to receiver for each individual plant in cells E28 to E47.				
		Representative Noise Environment	User Input	(c) is there line of sight to receiver? select from drop down list in cells F28 to F47. Solid barrier can be in the form of road co				
Noise area category				curtain, timber lapped and capped fence, shipping container, site office, etc. Please note that vegetation and trees are not of 8. Identify the level above background and/or noise mangement level (see rows 57 to 62).				
	Day		56	 Identify and implement standard mitigation measures where feasible and reasonable. Include any shielding implemented as part 				
RBL or LA90 Background level (dB(A))	Evening		49	the selection in the 'Is there line of sight to receiver' drop-down list.				
	Night		33	 Identify and implement feasible and reasonable additional mitigation measures (see rows 63 to 65). Document a summary report detailing: 				
	Day		66	(a) project description (including location, duration, hours of work, construction methodology, plant, potentially impacted re-				
LAeq(15minute) Noise mangement level	Day (OOHW)		61	(b) background noise levels.				
(dB(A))	Evening		54	(c) noise management levels . (d) predicted noise levels for each time period.				
	Night		38	(a) pleanated mose levels to each time period. (e) sleep disturbance affected distance for night works.				
		37		(f) mitigation measures.				
Is all plant at the same representative distance to the receiver? Y/N		Y		(g) team member responsible for implementing mitigation measures and managing noise and vibration.				
Representative distance (m	1)	10	All at Representative Distance	(Note that suitable noise management levels for other noise-sensitive businesses not identified in the Construction Noise Estimator basis. Please contact a Roads and Maritime noise speciliast for more information)				
L	-							

Type/ model plant (See Sources Sheet)	SWL LAeq (dB(A))	SPL @7m (dB(A))	Quantity	Individual distance to receiver (m)	Is there line of sight to receiver? Y/N	Quantity correction (dBA)	Shielding correction (dBA)	Distance used in calculation (m)	Contribution SPL (dB(A))
Vacuum truck	109	84		- JJ	No (behind substantial solid barrier)	0	-10		-888
Light vehicles	103	78			No (behind substantial solid barrier)	0	-10		-888
Truck (>20tonne)	106	81		1	No (behind substantial solid barrier)	0	-10		-888
Small hand tools	95	70	1	7	No (behind substantial solid barrier)	0	-10	10	57
)			Yes	0	0	3	-888
				1)	Yes	0	0		-888
					Yes	0	0		-888
				T .	Yes	0	0		-888
		3.		i i	Yes	0	0		-888
)			Yes	0	0	7	-888
					Yes	0	0		-888
				U .	Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
				J.	Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
		·			Yes	0	0	7	-888

	RP2J			
	Signage			
	119 Lookout Rd, New Lambton Heights (R2747)			
	Developed settlements (urban an	id suburban areas)		
vel input	User Input			
	Representative Noise Environment	User Input		
Day		56		
Evening		49		
Night		33		
Day		66		
Day (OOHW)		61		
Evening		54		
Night		38		
istance to the				
iotanio to the	Y			
1)	5	All at Representative Dis		
	Evening Night Day Day (OOHW) Evening Night	Signage 119 Lookouf Ed, New Lambton Developed settlements (urban ar veil input Representative Noise Environment Day Evening Night Day Day (OOHW) Evening Night istance to the		

(b) where user input is selected - enter the measured background noise level for each time period (cells D17 to D19).

6. Is all plant at the same representative distance to the receiver 'Select' Y or N (cell C24):
(a) where Y is selected - enter the representative distance in cell C25.
(b) where N is selected - enter the representative distance in cell C25.
(c) where N is selected shows be selected plant from the drop-down list in cells A28 to A47 (e.g. dump trucks + excavator).
(a) enter quantity for each selected plant in cells D28 to D47.
(b) where N is selected from step #6 - enter the distance to receiver each individual plant in cells E28 to E47.
(c) is there line of sight to receiver's select from drop down list in cells F28 to F47. Solid barrier can be in the form of road cuttir curtain, timber lapped and capped fence, shipping container, site office, etc. Please note that vegetation and trees are not con
8. Identify the level above background and/or noise mangement level (see rows 57 to 62).
9. Identify and implement standard mitigation measures where feasible and reasonable. Include any shielding implemented as part of 1 the selection in the 1s there line of sight to receiver' drop-down list.
10. Identify and implement feasible and reasonable additional mitigation measures (see rows 63 to 65).
11. Document a surmary report detailing:
(a) project description (including location, duration, hours of work, construction methodology, plant, potentially impacted recei
(b) background noise levels for each time period.
(c) sleep disturbance affected distance for right works.
(f) mitigation measures.
(g) learn member responsible for implementing mitigation measures and managing noise and vibration.

(Note that suttable noise management levels for other noise-sensitive businesses not identified in the Construction Noise Estimator sh

(Note that suitable noise management levels for other noise-sensitive businesses not identified in the Construction Noise Estimator sh

			1	36/36/36/36/36/36/36/36/36					
Type/ model plant (See Sources Sheet)	SWL LAeq (dB(A))	SPL @7m (dB(A))	Quantity	Individual distance to receiver (m)	Is there line of sight to receiver? Y/N	Quantity correction (dBA)	Shielding correction (dBA)	Distance used in calculation (m)	Contributi SPL (dB(A
Vacuum truck	109	84			No (behind substantial solid barrier)	0	-10	10. St.	-888
Light vehicles	103	78			No (behind substantial solid barrier)	0	-10		-888
Truck (>20tonne)	106	81			No (behind substantial solid barrier)	0	-10		-888
Small hand tools	95	70	1		No (behind substantial solid barrier)	0	-10	5	63
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
	1				Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888

c. +15

Total SPL L Aeq(15minute) (dB(A))

Signage
119 Lookout Rd, New Lambton Heights (R2747)
eveloped settlements (urban and suburban areas Select area ground type Select type of background noise level input

		Representative Noise Environment	User Input
Noise area category		*	
RBL or LA90 Background level (dB(A))	Day	*	56
	Evening	*	49
	Night	*	33
	Day	*	66
Aeg(15minute) Noise mangement level	Day (OOHW)		61
(dB(A))	Evening		54
	Night		38

Is all plant at the same representative distance to the receiver? Y/N
Representative distance (m) All at Representative Distance

(b) where user input is selected - enter the measured background noise level for each time period (cells D17 to D19).

6. Is all plant at the same representative distance to the receiver? Select Y or N (cell C24):
(a) where Y is selected - enter the representative distance in cell C25.
(b) where N is selected - go to step #7.

7. For the scenario (e.g., shallow excavation), select plant from the drop-down list in cells A28 to A47 (e.g. dump trucks + excavator).
(a) enter quantity for each selected plant in cells D28 to D47.
(b) where N is selected from step #6 - enter the distance to receiver or each individual plant in cells E28 to E47.
(c) is there line of sight to receiver? select from drop down list in cells F28 to F47. Solid barrier can be in the form of road cutti curtain, timber lapped and capped efence, shipping container, site office, etc. Please note that vegetation and trees are not col selectively and implement standard mitigation measures where feasible and reasonable. Include any shielding implemented as part of the selection in the 1s there line of sight to receiver* drop-down list.

10. Identify the legal and summary report detailing:
(a) project description (including focation, duration, hours of work, construction methodology, plant, potentially impacted rece) (b) background noise levels for each time period.
(e) sleep disturbance affected distance for night works.
(f) mitigation measures.
(g) learn member responsible for implementing mitigation measures and managing noise and vibration.

(Note that suitable noise management levels for other noise-sensitive businesses not identified in the Construction Noise Estimator sl

(Note that suitable noise management levels for other noise-sensitive businesses not identified in the Construction Noise Estimator st basis. Please contact a Roads and Maritime noise speciliast for more information)

Type/ model plant (See Sources Sheet)	SWL LAeq (dB(A))	SPL @7m (dB(A))	Quantity	Individual distance to receiver (m)	Is there line of sight to receiver? Y/N	Quantity correction (dBA)	Shielding correction (dBA)	Distance used in calculation (m)	SPL (dB(A))
Vacuum truck	109	84			No (behind substantial solid barrier)	0	-10		-888
Light vehicles	103	78			No (behind substantial solid barrier)	0	-10		-888
Truck (>20tonne)	106	81			No (behind substantial solid barrier)	0	-10		-888
Small hand tools	95	70	1		No (behind substantial solid barrier)	0	-10	16	53
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888

Project name	RP2J
Scenario name	Signage
Receiver address	119 Lookout Rd, New Lambton Heights (R2747)
Select area ground type	Developed settlements (urban and suburban areas)
Select type of background noise level input	User Input

		Representative Noise Environment	User Input
Noise area category			
RBL or LA90 Background level (dB(A))	Day		56
	Evening		49
	Night		33
	Day		66
LAeq(15minute) Noise mangement level (dB(A))	Day (OOHW)		61
	Evening		54
	Night		38

Total SPL L Aeq(15minute) (dB(A)) 38

Is all plant at the same representative distance to the receiver? Y/N

(b) where user input is selected - enter the measured background noise level for each time period (cells D17 to D19).

6. Is all plant at the same representative distance to the receiver? Select Y or N (cell C24):
(a) where Y is selected - enter the representative distance in cell C25.
(b) where N is selected - go to step #7.
7. For the scenario (e.g., shallow excavation), select plant from the drop-down list in cells A28 to A47 (e.g. dump trucks + excavator).
(a) enter quantity for each selected plant in cells D28 to D47.
(b) where N is selected from step #6 - enter the distance to receiver for each individual plant in cells E28 to E47.
(c) is there line of sight to receiver? select from drop down list in cells F28 to F47. Solid barrier can be in the form of road cut curtain, timber lapped and capped fence, shipping container, site office, etc. Please note that vegetation and trees are not cc
8. Identify the level above background and/or noise mangement level (see rows 57 to 62).
9. Identify and implement standard mitigation measures where feasible and reasonable. Include any shielding implemented as part of the selection in the 1s there line of sight to receiver' drop-down list.
10. Identify and implement feasible and reasonable additional mitigation measures (see rows 63 to 65).
11. Document a surmary report detailing:
(a) project description (including location, duration, hours of work, construction methodology, plant, potentially impacted recci (c) noise management levels
(d) predicted noise levels for each time period.
(e) sleep disturbance affected distance for night works.
(f) mitigation measures.
(g) learn member responsible for implementing mitigation measures and managing noise and vibration.

(Note that suitable noise management levels for other noise-sensitive businesses not identified in the Construction Noise Estimator's basis. Please contact a Roads and Maritime noise speciliast for more information)

Representative distance (n	esentative distance (m) All at Representative Distance basis. Please contact a Roads and Maritime noise speciliast			Representative distance (m)		for more informat	on)		
Type/ model plant (See Sources Sheet)	SWL LAeq (dB(A))	SPL @7m (dB(A))	Quantity	Individual distance to receiver (m)	Is there line of sight to receiver? Y/N	Quantity correction (dBA)	Shielding correction (dBA)	Distance used in calculation (m)	Contributio SPL (dB(A)
Vacuum truck	109	84			No (behind substantial solid barrier)	0	-10	,,,,,	-888
Light vehicles	103	78			No (behind substantial solid barrier)	0	-10		-888
Truck (>20tonne)	106	81			No (behind substantial solid barrier)	0	-10	200,000	-888
Small hand tools	95	70	1		No (behind substantial solid barrier)	0	-10	40	43
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
		9			Yes	0	0		-888
		9			Yes	0	0		-888
					Yes	0	0		-888
		,			Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888

Total SPL L Aeq(15minute) (d	B(A))	43]						
e. NML									
Project name		RP2J			where user input is selected - enter the measured			time period (cells D	17 to D19).
Scenario name		Signage			nt at the same representative distance to the rece				
Receiver address		119 Lookout Rd, New Lambton	n Heights (R2747)		where Y is selected - enter the representative dis where N is selected - go to step #7	tance in cell G25.			
Select area ground type		Developed settlements (urban ar	nd suburban areas)		cenario (e.g. shallow excavation), select plant fro	m the drop down	liet in celle A28	o A47 (e.a. dumn tr	ucke + evcavator)
Select type of background noise le	evel input	User Input			enter quantity for each selected plant in cells D28		iist iii cciis Azo	to A47 (c.g. dump ti	dens - excavator).
				(b)	where N is selected from step #6 - enter the dista	ance to receiver for			
		Representative Noise Environment	User Input		is there line of sight to receiver? select from drop				
Noise area category		1 3		Cui	tain, timber lapped and capped fence, shipping co ne level above background and/or noise mangem	ontainer, site offic	e, etc. Please no	te that vegetation a	nd trees are not con
	Day		56		nd implement standard mitigation measures whe			e any shielding imp	lemented as part of
RBL or LA90 Background level (dB(A))	Evening		49	the selection	n in the 'Is there line of sight to receiver' drop-do	wn list.		6 5 6	
	Night		33		and implement feasible and reasonable additional	al mitigation meas	ures (see rows (63 to 65).	
	Day		66		ent a summary report detailing: project description (including location, duration, h	ours of work con	etruction method	lology plant poten	tially impacted recei
LAeg(15minute) Noise mangement level	Day (OOHW)		61		background noise levels.	ours or work, con	Saucaon meano	lology, plant, poten	nuny impactou recoi
(dB(A))	Evening		54		noise management levels .				
	Night		38		predicted noise levels for each time period. sleep disturbance affected distance for night worl	-			
					nitigation measures.	AS.			
Is all plant at the same representative of receiver? Y/N	distance to the	Y		(g)	team member responsible for implementing mitig uitable noise management levels for other noise-				Noise Estimator sh
Representative distance (r	n)	67	All at Representative Dis		se contact a Roads and Maritime noise speciliast			an are construction	Troise Estimator on
Type/ model plant (See Sources Sheet)	SWL LAeq (dB(A))		Quantity	Individual distant receiver (m)	e to Is there line of sight to receiver? Y/N	Quantity correction (dBA)	Shielding correction (dBA)	Distance used in calculation (m)	Contribution SPL (dB(A))
Vacuum truck	109	84			No (behind substantial solid barrier)	0	-10		-888
Light vehicles	103	78			No (behind substantial solid barrier)	0	-10		-888
Truck (>20tonne)	106	81	no de la companya de		No (behind substantial solid barrier)	0	-10	No.	-888
Small hand tools	95	70	1		No (behind substantial solid barrier)	0	-10	67	38
Marian Caracteristics and the Caracteristics					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888

3	Type/ model plant (See Sources Sheet)	SWL LAeq (dB(A))	SPL @7m (dB(A))	Quantity	Individual distance to receiver (m)	Is there line of sight to receiver? Y/N	Quantity correction (dBA)	Shielding correction (dBA)	Distance used in calculation (m)	SPL (dB(A))
1	Vacuum truck	109	84			No (behind substantial solid barrier)	0	-10		-888
	Light vehicles	103	78			No (behind substantial solid barrier)	0	-10		-888
	Truck (>20tonne)	106	81	100		No (behind substantial solid barrier)	0	-10	No. 1	-888
	Small hand tools	95	70	1		No (behind substantial solid barrier)	0	-10	67	38
						Yes	0	0		-888
					4	Yes	0	0		-888
						Yes	0	0		-888
						Yes	0	0		-888
			j i			Yes	0	0		-888
						Yes	0	0		-888
					1	Yes	0	0	0	-888
			7		1	Yes	0	0		-888
					1	Yes	0	0		-888
					1	Yes	0	0		-888
			7		1	Yes	0	0	2	-888
i						Yes	0	0	i i	-888
Ī					1	Yes	0	0		-888
			§		4	Yes	0	0		-888
						Yes	0	0		-888
						Yes	0	0		-888

4. Linemarking NCA 10 - R2660 (335 McCaffrey Drive, Lookout Road, Rankin Park)

a. Worst case

Project name		RP2J		
Scenario name		linemarking		
Receiver address		335 McCaffrey Drive Rankin Park (R2660)		
Select area ground type		Developed settlements (urban and s	uburban areas)	
Select type of background noise le	vel input	User Input		
		Representative Noise Environment	User Input	
Noise area category				
	Day		38	
RBL or LA90 Background level (dB(A))	Evening		35	
	gory Day Perentative Noise Environment Support Program (A) Day Evening Night Day	26		
	Day		48	
LAeq(15minute) Noise mangement level	Day (OOHW)		43	
(dB(A))	Evening		40	
	Might		31	

(b) where user input is selected - enter the measured background noise level for each time period (cells D17 to D19).

6. Is all plant at the same representative distance to the receiver? Select Y or N (cell C24):
(a) where Y is selected - opt ostep #7.
(b) where N is selected - opt ostep #7.

7. For the scenario (e.g. shallow excavation), select plant from the drop-down list in cells A28 to A47 (e.g. dump trucks + excavator)
(a) enter quantity for each selected plant in cells D28 to D47.
(b) where N is selected from step #6- enter the distance to receiver for each individual plant in cells E28 to E47.
(c) is there line of sight to receiver? select from drop down list in cells F28 to F47. Solid barrier can be in the form of road ci curtain, timber lapped and capped fence, shipping container, site office, etc. Please note that vegetation and trees are not c
8. Identify the level above background and/or noise management level (see rows 57 to 62).
9. Identify and implement standard mitigation measures where feasible and reasonable. Include any shielding implemented as part the selection in the 1s there line of sight to receiver drop-down into measures (see rows 63 to 65).
11. Document a summary report detailing:
(a) project description (including location, duration, hours of work, construction methodology, plant, potentially impacted rei
(b) background noise levels.
(c) noise management levels :
(d) predicted noise levels for each time period.
(e) sleep disturbance affected distance for night works.
(f) mitigation measures.
(g) team member responsible for implementing mitigation measures and managing noise and vibration.

Type/ model plant (See Sources Sheet)	SWL LAeq (dB(A))	SPL @7m (dB(A))	Quantity	Individual distance to receiver (m)	Is there line of sight to receiver? Y/N	Quantity correction (dBA)	Shielding correction (dBA)	Distance used in calculation (m)	Contributio SPL (dB(A)
Fixed Crane	113	88			No (behind solid barrier)	0	-5		-888
Light vehicles	103	78			No (behind solid barrier)	0	-5		-888
Truck (>20tonne)	106	81			No (behind solid barrier)	0	-5		-888
Generator	98	73			No (behind solid barrier)	0	-5		-888
Pneumatic Jackhammer	113	88			No (behind solid barrier)	0	-5		-888
Small Hand Tools	105	80			No (behind solid barrier)	0	-5		-888
ELECTRICAL CONTROL CON		3575			No (behind solid barrier)	0	-5		-888
Vacuum truck	117	92	1		No (behind substantial solid barrier)	0	-10	140	53
Light vehicles	95	70	1	1	No (behind substantial solid barrier)	0	-10	140	31
Truck (>20tonne)	106	81	1		No (behind substantial solid barrier)	0	-10	140	42
Generator	90	65	1		No (behind substantial solid barrier)	0	-10	140	26
				J.	Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
			,	J.	Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888

b. +25

Total SPL L Aeg(15minute) (dB(A))

Total SPL L Aeq(15minute) (dB(A)) 53

Project name	RP2J
Scenario name	linemarking
Receiver address	335 McCaffrey Drive Rankin Park (R2660)
Select area ground type	Developed settlements (urban and suburban areas)
Select type of background noise level input	User Input

		Representative Noise Environment	User Input
Noise area category			
RBL or LA90 Background level (dB(A))	Day		38
	Evening		35
	Night		26
	Day		48
LAeq(15minute) Noise mangement level	Day (OOHW)		43
(dB(A))	Evening		40
	Night		31

All at Representative Distance

56

(b) where user input is selected - enter the measured background noise level for each time period (cells D17 to D19).

6. Is all plant at the same representative distance to the receiver? Select Y or N (cell C24):
(a) where Y is selected - enter the representative distance in cell C25.
(b) where N is selected - go to step #7

7. For the scenario (e.g. shallbow excavation), select plant from the drop-down list in cells A28 to A47 (e.g. dump trucks + excavator).
(a) enter quantity for each selected plant in cells D28 to D47.
(b) where N is selected from slep #5 - enter the distance to receiver for each individual plant in cells E28 to E47.
(c) is there line of sight to receiver? select from drop down list in cells F28 to F47. Solid barrier can be in the form of road cu closer to the control of the cells F28 to F47. Solid barrier can be in the form of road cu closer to the cells F28 to F47. Solid barrier can be in the form of road cu closer to the cells F28 to F47. Solid barrier can be in the form of road cu closer to the cells F28 to F47. Solid barrier can be in the form of road cu closer to the cells F28 to F47. Solid barrier can be in the form of road cu closer to the cells F28 to F47. Solid barrier can be in the form of road cu closer to the cells F28 to F47. Solid barrier can be in the form of road cu closer to F47. Solid barrier can be in the form of road cu closer to F47. Solid barrier can be in the form of road cu closer to F47. Solid barrier can be in the form of road cu closer to F47. Solid barrier can be in the form of road cu closer to F47. Solid barrier can be in the form of road cu closer to F47. Solid barrier can be in the form of road cu closer to F47. Solid barrier can be in the form of road cu closer to F47. Solid barrier can be in the form of road cu closer to F47. Solid barrier can be in the form of road cu closer to F47. Solid barrier can be in the form of road cu closer to F47. Solid barrier can be f47. Solid barrie

9. Identify and implement standard mitigation measures where feasible and reasonable. Include any shielding implemented as part the selection in the 1s there line of sight to receiver drop-down list.

10. Identify and implement feasible and reasonable additional mitigation measures (see rows 63 to 65).

11. Document a summary report detailing:

(a) project description (including location, duration, hours of work, construction methodology, plant, potentially impacted rec
(b) background noise levels
(c) noise management levels
(d) predicted noise levels for each time period.
(e) sleep disturbance affected distance for night works.
(f) mitigation measures
(g) learn member responsible for implementing mitigation measures and managing noise and vibration.

(Note that suitable noise management levels for other noise-sensitive businesses not identified in the Construction Noise Estimator basis. Please contact a Roads and Maritime noise speciliast for more information)

Type/ model plant (See Sources Sheet)	SWL LAeq (dB(A))	SPL @7m (dB(A))	Quantity	Individual distance to receiver (m)	Is there line of sight to receiver?	Quantity correction (dBA)	Shielding correction (dBA)	Distance used in calculation (m)	Contributio SPL (dB(A)
Fixed Crane	113	88			No (behind solid barrier)	0	-5		-888
Light vehicles	103	78			No (behind solid barrier)	0	-5		-888
Truck (>20tonne)	106	81			No (behind solid barrier)	0	-5		-888
Generator	98	73			No (behind solid barrier)	0	-5		-888
Pneumatic Jackhammer	113	88			No (behind solid barrier)	0	-5		-888
Small Hand Tools	105	80			No (behind solid barrier)	0	-5		-888
					No (behind solid barrier)	0	-5	2000	-888
Vacuum truck	117	92	1	i i	No (behind substantial solid barrier)	0	-10	110	55
Light vehicles	95	70	1		No (behind substantial solid barrier)	0	-10	110	33
Truck (>20tonne)	106	81	1		No (behind substantial solid barrier)	0	-10	110	44
Generator	90	65	1		No (behind substantial solid barrier)	0	-10	110	28
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
		·			Yes	0	0		-888

Is all plant at the same representative distance to the receiver? Y/N

Project name		RP2J			
Scenario name		linemarking			
Receiver address		335 McCaffrey Drive Rankin Pa	rk (R2660)		
Select area ground type	2000				
Select type of background noise le	vel input	335 McCaffrey Drive Rankin Park (R2660) Developed settlements (urban and suburban areas User Input Representative Noise Environment User Input			
		Representative Noise Environment	User Input		
Noise area category					
	Day		38		
RBL or LA90 Background level (dB(A))	Evening		35		
	Night		User Inpu		
	Day		48		
LAeq(15minute) Noise mangement level	Day (OOHW)		43		
(dB(A))	Evening		40		
V	Night		31		

(b) where user input is selected - enter the measured background noise level for each time period (cells D17 to D19).

6. Is all plant at the same representative distance to the receiver? Select! Y or N (cell C24):

(a) where Y is selected - enter the representative distance in cell C25.

(b) where N is selected - on test per Y.

7. For the scenario (e.g., shallow excavation), select plant from the drop-down list in cells A28 to A47 (e.g. dump trucks + excavator).

(a) enter quantity for each selected plant in cells D28 to D47.

(b) where N is selected from step #6 - enter the distance to receiver for each individual plant in cells E28 to E47.

(c) is there line of sight to receiver? select from drop down list in cells F28 to F47. Solid barrier can be in the form of road cut curtain, timber lapped and capped fence, shipping container, site office, etc. Please note that vegetation and trees are not to 8. Identify the level above background and/or noise mangment level (see rows 57 to 62).

9. Identify and implement standard mitigation measures where feasible and reasonable. Include any shielding implemented as part of the selection in the 1s there line of sight to receiver' drop-down its.

10. Identify and implement feasible and reasonable additional mitigation measures (see rows 63 to 65).

11. Document a summary report detailing:

(a) project description (including location, duration, hours of work, construction methodology, plant , potentially impacted rece (c) poise management levels

(d) predicted noise levels for each time period.

(e) sleep disturbance affected distance for night works.

(f) mitigation measures.

(g) learn member responsible for implementing mitigation measures and managing noise and vibration.

(Note that suitable noise management levels for other noise-sensitive businesses not identified in the Construction Noise Estimator's

Representative distance (m)		250	All at Representative Distance basis. Ple		e contact a Roads and Maritime noise speciliast for more information)					
Type/ model plant (See Sources Sheet)	SWL LAeq (dB(A))	SPL @7m (dB(A))	Quantity	Individual distance to receiver (m)	Is there line of sight to receiver? Y/N	Quantity correction (dBA)	Shielding correction (dBA)	Distance used in calculation (m)	Contribution	
Fixed Crane	113	88			No (behind solid barrier)	0	-5		-888	
Light vehicles	103	78			No (behind solid barrier)	0	-5		-888	
Truck (>20tonne)	106	81			No (behind solid barrier)	0	-5		-888	
Generator	98	73			No (behind solid barrier)	0	-5		-888	
Pneumatic Jackhammer	113	88			No (behind solid barrier)	0	-5	(-888	
Small Hand Tools	105	80			No (behind solid barrier)	0	-5		-888	
27022		0.000			No (behind solid barrier)	0	-5	0.000	-888	
Vacuum truck	117	92	1		No (behind substantial solid barrier)	0	-10	250	46	
Light vehicles	95	70	1		No (behind substantial solid barrier)	0	-10	250	24	
Truck (>20tonne)	106	81	1		No (behind substantial solid barrier)	0	-10	250	35	
Generator	90	65	1		No (behind substantial solid barrier)	0	-10	250	19	
					Yes	0	0		-888	
					Yes	0	0		-888	
					Yes	0	0	,	-888	
					Yes	0	0		-888	
					Yes	0	0		-888	
					Yes	0	0		-888	
					Yes	0	0		-888	
		·			Yes	0	0		-888	
					Yes	0	0		-888	

Total SPL L Aeq(15minute) (dB(A)) d. +5

Is all plant at the same representative distance to the receiver? Y/N

Representative distance (m)

RP2J
linemarking
335 McCaffrey Drive Rankin Park (R2660)
Developed settlements (urban and suburban areas)
User Input

46

		Representative Noise Environment	User Input
Noise area category	8		
RBL or LA90 Background level (dB(A))	Day		38
	Evening		35
	Night		26
	Day		48
LAeq(15minute) Noise mangement level	Day (OOHW)		43
(dB(A))	Evening		40
	Night		31

(b) where user input is selected - enter the measured background noise level for each time period (cells D17 to D19).

6. Is all plant at the same representative distance to the receiver? Select Y or N (cell C24):
(a) where Y is selected - enter the representative distance in cell C25.
(b) where N is selected - got step #7.
7. For the scenario (e.g. shallow excavation), select plant from the drop-down list in cells A28 to A47 (e.g. dump trucks + excavator).
(a) enter quantity for each selected plant in cells D28 to D47.
(b) where N is selected from step #6 - enter the distance to receiver for each individual plant in cells E28 to E47.
(c) is there line of sight to receiver? select from drop down list in cells F28 to F47. Solid barrier can be in the form of road cutt curtain, timber lapped and capped fence, shipping container, site office, etc. Please note that vegetation and trees are not collectify and implement standard mitigation measures where feasible and reasonable. Include any shielding implemented as part of the selection in the 1s there line of sight to receiver drop-down list in the site of the selection in the 1s there line of sight to receiver drop-down list of the selection in the 1s there line of sight to receiver drop-down list of the selection in the 1s there line of sight to receiver drop-down list of the selection in the 1s there line of sight to receiver drop-down list of the selection in the 1s there line of sight to receiver drop-down list of the selection in the 1s there line of sight to receiver drop-down list of the selection in the 1s there line of sight to receiver drop-down list of the selection in the selection in the selection in the selection in the 1s there line of sight to receiver drop-down list of the selection of the selection in the selection in the selection in the selection in the selection of the selection

(Note that suitable noise management levels for other noise-sensitive businesses not identified in the Construction Noise Estimator sl basis. Please contact a Roads and Maritime noise speciliast for more information)

Type/ model plant (See Sources Sheet) 113 106 580

All at Representative Distance

e. NML

Project name		RP2J		Part Control		
Scenario name		linemarking				
Receiver address		335 McCaffrey Drive Rankin Park (R2660) Developed settlements (urban and suburban areas)				
Select area ground type						
Select type of background noise level input Noise area category Day		User Input				
		Representative Noise Environment	User Input	ľ		
Noise area category						
RBL or LA30 Background level (dB(A))	Day		38			
	Evening		35			
	Night		26			
	Day		48			
LAeq(15minute) Noise mangement level	Day (OOHW)		43			
(dB(A))	Evening		40			
	Night		31			
Is all plant at the same representative receiver? Y/N	distance to the	Y				
Representative distance (m)		830	All at Representative Distar			
Type/ model plant (See Sources Sheet)	SWL LAeq (dB(A))	SPL @7m (dB(A))	Quantity	Inc		

(b) where user input is selected - enter the measured background noise level for each time period (cells D17 to D19).

6. Is all plant at the same representative distance to the receiver? Select Y or N (cell C24):

(a) where Y is selected - go to step #7.

7. For the scenario (e.g. shallow excavation), select plant from the drop-down list in cells A28 to A47 (e.g. dump trucks + excavator).

(a) enter quantity for each selected plant in cells D28 to D47.

(b) where N is selected from step #6 - enter the distance to receiver or each individual plant in cells 28 to E47.

(c) is there line of sight to receiver? select from drop down list in cells P28 to F47. Solid barrier can be in the form of road cut curtain, timber lapped and capped fence, shipping container, site office, etc. Please note that vegetation and trees are not to 8. Identify the level above background and/or noise mangement level (see rows 57 to 62).

9. Identify and implement standard mitigation measures where feasible and reasonable. Include any shielding implemented as part of the selection in the 1s there line of sight to receiver drop-down list.

10. Identify and implement feasible and reasonable additional mitigation measures (see rows 63 to 65).

11. Document a summary report detailing:

(a) project description (including location, durration, hours of work, construction methodology, plant, potentially impacted rece (c) noise management levels.

(d) predicted noise levels for each time period.

(e) sleep disturbance affected distance for night works.

(f) nitigation measures.

(g) team member responsible for implementing mitigation measures and managing noise and vibration.

(Note that suitable noise management levels for other noise-sensitive businesses not identified in the Construction Noise Estimator s

(Note that suitable noise management levels for other noise-sensitive businesses not identified in the Construction Noise Estimator s basis. Please contact a Roads and Maritime noise speciliast for more information)

Type/ model plant (See Sources Sheet)	SWL LAeq (dB(A))	SPL @7m (dB(A))	Quantity	Individual distance to receiver (m)	Is there line of sight to receiver? Y/N	Quantity correction (dBA)	Shielding correction (dBA)	Distance used in calculation (m)	SPL (dB(A)
Fixed Crane	113	88		d.	No (behind solid barrier)	0	-5		-888
Light vehicles	103	78			No (behind solid barrier)	0	-5		-888
Truck (>20tonne)	106	81			No (behind solid barrier)	0	-5		-888
Generator	98	73			No (behind solid barrier)	0	-5		-888
Pneumatic Jackhammer	113	88			No (behind solid barrier)	0	-5	į.	-888
Small Hand Tools	105	80			No (behind solid barrier)	0	-5		-888
25000	No.	0.000			No (behind solid barrier)	0	-5	AND YOU	-888
Vacuum truck	117	92	1		No (behind substantial solid barrier)	0	-10	830	31
Light vehicles	95	70	1		No (behind substantial solid barrier)	0	-10	830	9
Truck (>20tonne)	106	81	1		No (behind substantial solid barrier)	0	-10	830	20
Generator	90	65	1		No (behind substantial solid barrier)	0	-10	830	4
					Yes	0	0		-888
				l.	Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0	-	-888

5. Linemarking NCA 13 – R2731 (83 Lookout Road, New Lambton Heights)

a. Worst case

Total SPL LAeq(15minute) (dB(A)) 31

Project name		RP2J	ė.							
Scenario name		Linemarking	从	6. Is all plant at the same representative distance to the receiver? Select Y or N (cell C24): (a) where Y is selected - enter the representative distance in cell C25. (b) where N is selected - go to step #7 7. For the scenario (e.g. shallow exexavion), select plant from the drop-down list in cells A28 to A47 (e.g. dump trucks + excav						
Receiver address		83 Lookout Rd, New Lambton								
Select area ground type		Developed settlements (urban an	nd suburban areas)							
Select type of background noise I	evel input	User Input	70 B		quantity for each selected plant in cells D28		not in cons ALO t	O ATT (o.g. damp ii	acito - oxourui	
				(b) where	N is selected from step #6 - enter the dista	nce to receiver for				
		Representative Noise Environment	nt User Input	(c) is then	e line of sight to receiver? select from drop	down list in cells	F28 to F47. Solid	d barrier can be in the	ne form of road	
Noise area category					mber lapped and capped fence, shipping co el above background and/or noise mangem			te that vegetation a	nd trees are no	
	Day		56		olement standard mitigation measures when			e any shielding imp	emented as no	
RBL or LA90 Background level (dB(A))	Evening		49	the selection in th	ne 'Is there line of sight to receiver' drop-do	wn list.				
	Night		33		plement feasible and reasonable additiona	I mitigation meas	ures (see rows 6	3 to 65).		
	Day		66		ummary report detailing:	hours of work, construction methodology, plant, potentially imp				
LAeg(15minute) Noise mangement level	Day (OOHW)		61		t description (including location, duration, n round noise levels.	ours of work, con	struction method	ology, plant, poten	entially impacted re	
(dB(A))	Evening		54	(b) background noise levels. (c) noise management levels.						
The state of the s			(d) predicted noise levels for each time period.							
	Night		(e) sleep disturbance affected distance for night w							
	Night		38			CS.				
			38	(f) mitigat	ion measures.			and the second of the second second		
Is all plant at the same representative receiver? Y/N		Y	38	(f) mitigat (g) team r	ion measures. member responsible for implementing mitig	ation measures a			Naina Estimat	
	distance to the		38 All at Representative Dista	(f) mitigat (g) team r (Note that suitable	ion measures.	ation measures a	ses not identified		Noise Estimat	
receiver? Y/N	distance to the	65	All at Representative Dista	(f) mitigat (g) team r (Note that suitable	ion measures. member responsible for implementing mitig e noise management levels for other noise-	ation measures a	ses not identified		Noise Estima Contribution SPL (dB(A))	
receiver? Y/N Representative distance (I	distance to the	65	All at Representative Dista	(f) mitigat (g) team i (Note that suitable basis. Please con	ion measures. nember responsible for implementing mitigs enoise management levels for other noise- tact a Roads and Maritime noise speciliast Is there line of sight to receiver?	ation measures a sensitive busines for more informat Quantity correction	ses not identified ion) Shielding correction	Distance used in calculation	Contribution	
receiver? Y/N Representative distance (t Type/ model plant (See Sources Sheet)	distance to the n) SWL LAeq (dB(A))	65 SPL @7m (dB(A))	All at Representative Dista	(f) mitigat (g) team i (Note that suitable basis. Please con	non measures. member responsible for implementing mitig noise management levels for other noise- tact a Roads and Maritime noise speciliast Is there line of sight to receiver? Y/N	ation measures a sensitive busines for more informat Quantity correction (dBA)	ses not identified ion) Shielding correction (dBA)	Distance used in calculation (m)	Contribution SPL (dB(A))	
receiver? Y/N Representative distance (r Type/ model plant (See Sources Sheet) Vacuum truck	distance to the n) SWL LAeq (dB(A))	65 SPL @7m (dB(A))	All at Representative Dista	(f) mitigat (g) team i (Note that suitable basis. Please con	non measures. member responsible for implementing mitig e noise management levels for other noise- tact a Roads and Maritime noise speciliast Is there line of sight to receiver? Y/N No (behind substantial solid barner)	ation measures a sensitive busines for more informat Quantity correction (dBA)	ses not identified ion) Shielding correction (dBA) -10	Distance used in calculation (m) 65	Contribution SPL (dB(A))	
receiver? Y/N Representative distance (i Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles	SWL LAeq (dB(A))	65 SPL @7m (dB(A)) 92 65	All at Representative Dista Quantity 1 1	(f) mitigat (g) team i (Note that suitable basis. Please con	non measures. member responsible for implementing mitig noise management levels for other noise- tact a Roads and Maritime noise speciliast Is there line of sight to receiver? Y/N No (behind substantial solid barrier) No (behind substantial solid barrier)	ation measures a sensitive busines for more informat Quantity correction (dBA)	ses not identified ion) Shielding correction (dBA) -10 -10	Distance used in calculation (m) 65	Contribution SPL (dB(A)) 61 34 50 39	
receiver? Y/N Representative distance (r Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (e20tonne)	SWL LAeq (dB(A)) 117 90 106	65 SPL@7m (dB(A)) 92 65 81	All at Representative Dista Quantity 1 1 1	(f) mitigat (g) team i (Note that suitable basis. Please con	non measures. member responsible for implementing mitig e noise management levels for other noise- tact a Roads and Maritime noise speciliast Is there line of sight to receiver? YN No (behind substantial solid barrier)	ation measures a sensitive busines for more informat Quantity correction (dBA) 0 0 0	ses not identified ion) Shielding correction (dBA) -10 -10 -10	Distance used in calculation (m) 65 65 65	Contribution SPL (dB(A)) 61 34 50 39 -888	
receiver? Y/N Representative distance (r Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (e20tonne)	SWL LAeq (dB(A)) 117 90 106	65 SPL@7m (dB(A)) 92 65 81	All at Representative Dista Quantity 1 1 1	(f) mitigat (g) team i (Note that suitable basis. Please con	on measures. member responsible for implementing mitig enoise management levels for other noise- tact a Roads and Maritime noise speciliast Is there line of sight to receiver? YIN No (behind substantial solid barrier)	ation measures a sensitive busines for more informat Quantity correction (dBA) 0 0 0 0 0 0 0 0	ses not identified ion) Shielding correction (dBA) -10 -10 -10 -10	Distance used in calculation (m) 65 65 65	Contribution SPL (dB(A)) 61 34 50 39 -888 -888	
receiver? Y/N Representative distance (r Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (c20tonne)	SWL LAeq (dB(A)) 117 90 106	65 SPL@7m (dB(A)) 92 65 81	All at Representative Dista Quantity 1 1 1	(f) mitigat (g) team i (Note that suitable basis. Please con	non measures. member responsible for implementing mitig e noise management levels for other noise- tact a Roads and Maritime noise speciliast Is there line of sight to receiver? YIN No (behind substantial solid barrier) Yes	ation measures a sensitive busines for more informat Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ses not identified ion) Shielding correction (dBA) -10 -10 -10 0 0	Distance used in calculation (m) 65 65 65	Contribution SPL (dB(A)) 61 34 50 39 -888 -888	
receiver? Y/N Representative distance (r Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (c20tonne)	SWL LAeq (dB(A)) 117 90 106	65 SPL@7m (dB(A)) 92 65 81	All at Representative Dista Quantity 1 1 1	(f) mitigat (g) team i (Note that suitable basis. Please con	on measures. member responsible for implementing mitig e noise management levels for other noise- tact a Roads and Maritime noise speciliast Is there line of sight to receiver? YN No (behind substantial solid barrier) Yes Yes	ation measures a sensitive busines for more informat Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ses not identified ion) Shielding correction (dBA) -10 -10 -10 -10 0 0 0 0	Distance used in calculation (m) 65 65 65	Contributio SPL (dB(A) 61 34 50 39 -888 -888 -888	
receiver? Y/N Representative distance (r Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (c20tonne)	SWL LAeq (dB(A)) 117 90 106	65 SPL@7m (dB(A)) 92 65 81	All at Representative Dista Quantity 1 1 1	(f) mitigat (g) team i (Note that suitable basis. Please con	ion measures. member responsible for implementing mitig e noise management levels for other noise- tact a Roads and Maritime noise speciliast Is there line of sight to receiver? Y/N No (behind substantial solid barrier) Yes Yes Yes	ation measures a sensitive busines for more informat Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ses not identified ion) Shielding correction (dBA) -10 -10 -10 0 0	Distance used in calculation (m) 65 65 65	Contributio SPL (dB(A) 61 34 50 39 -888 -888 -888 -888	
receiver? Y/N Representative distance (r Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (c20tonne)	SWL LAeq (dB(A)) 117 90 106	65 SPL@7m (dB(A)) 92 65 81	All at Representative Dista Quantity 1 1 1	(f) mitigat (g) team i (Note that suitable basis. Please con	non measures. member responsible for implementing mitig e noise management levels for other noise- tact a Roads and Maritime noise speciliast Is there line of sight to receiver? YN No (behind substantial solid barrier) Yes Yes Yes Yes	ation measures a sensitive busines for more informat Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ses not identified ion) Shielding correction (dBA) -10 -10 -10 -10 0 0 0 0	Distance used in calculation (m) 65 65 65	Contribution SPL (dB(A)) 61 34 50 39 -888 -888 -888 -888 -888 -888 -888 -	
receiver? Y/N Representative distance (r Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne)	SWL LAeq (dB(A)) 117 90 106	65 SPL@7m (dB(A)) 92 65 81	All at Representative Dista Quantity 1 1 1	(f) mitigat (g) team i (Note that suitable basis. Please con	on measures. member responsible for implementing mitig e noise management levels for other noise- tact a Roads and Maritime noise speciliast Is there line of sight to receiver? Y/N No (behind substantial solid barrier) Yes Yes Yes Yes Yes Yes	ation measures a sensitive busines for more informat Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ses not identified (ion) Shielding correction (dBA) -10 -10 -10 -10 0 0 0 0 0 0	Distance used in calculation (m) 65 65 65	Contribution SPL (dB(A)) 61 34 50 39 -888 -888 -888 -888	

		1	100		
			Yes	0	0
			Yes	0	0
			Yes	0	0
			Yes	0	0
			Yes	0	0
			Yes	0	0
			Yes	0	0
			Yes	0	0
			Yes	0	0
		l l	Yes	0	0
	-		•		

Project name	RP2J
Scenario name	Linemarking
Receiver address	83 Lookout Rd, New Lambton Heights (R2731)
Select area ground type	Developed settlements (urban and suburban areas)
Select type of background noise level input	User Input

		Representative Noise Environment	User Input
Noise area category			
RBL or LA90 Background level (dB(A))	Day		56
	Evening		49
	Night		33
	Day		66
Aeq(15minute) Noise mangement level	Day (OOHW)		61
(dB(A))	Evening		54
	Night		38

Is all plant at the same representative distance to the receiver? Y/N

(b) where user input is selected — other the measured background noise level for each time period (cells D17 to D19).

6. Is all plant at the same representative distance to the receiver 25 elect Y or N (cell C24):
(a) where Y is selected. — other peresentative distance in cell C25.
(b) where N is selected. — other the representative distance in cell C25.

7. For the scenario (e.g. shallow excavation), select plant from the drop-down list in cells 28 to A47 (e.g. dump trucks + excavator).
(a) enter quantity for each selected plant in cells D28 to D47.
(b) where N is selected from step #6 - enter the distance to receiver for each individual plant in cells E28 to E47.
(c) is there line of sight to receiver? select from drop down ist in cells F28 to F47. Solid barrier can be in the form of road cuttin curtain, timber lapped and capped fence, shipping container, site office, etc. Please note that vegetation and trees are not cont 8. Identify the level above background and/or noise mangement level (see rows 57 to 62).
9. Identify and implement standard mitigation measures where feasible and reasonable. Include any shielding implemented as part of t the selection in the 1s there line of sight to receiver' drop-down list.
10. Identify and implement feasible and reasonable additional mitigation measures (see rows 63 to 65).
11. Document a summary report detailing:
(a) project description (including location, duration, hours of work, construction methodology, plant, potentially impacted receiv (b) background noise verse for each time period.
(e) sleep disturbance affected distance for night works.
(f) mitigation measures.
(g) team member responsible for implementing mitigation measures and managing noise and vibration.

(Note that suitable noise management levels for other noise-sensitive businesses not identified in the Construction Noise Estimator sho

Representative distance (m)		50	All at Representative Distance basis. Please contact a Roads and Maritime noise speciliast for more information)							
Type/ model plant (See Sources Sheet)	SWL LAeq (dB(A))	SPL @7m (dB(A))	Quantity	Individual distance to receiver (m)	Is there line of sight to receiver? Y/N	Quantity correction (dBA)	Shielding correction (dBA)	Distance used in calculation (m)	Contributio SPL (dB(A)	
Vacuum truck	117	92	1		No (behind substantial solid barrier)	0	-10	50	63	
Light vehicles	90	65	1		No (behind substantial solid barrier)	0	-10	50	36	
Truck (>20tonne)	106	81	1		No (behind substantial solid barrier)	0	-10	50	52	
Generator	95	70	1	l l	No (behind substantial solid barrier)	0	-10	50	41	
					Yes	0	0		-888	
					Yes	0	0		-888	
					Yes	0	0		-888	
					Yes	0	0		-888	
					Yes	0	0		-888	
					Yes	0	0		-888	
			ř.		Yes	0	0		-888	
			2		Yes	0	0		-888	
					Yes	0	0		-888	
					Yes	0	0		-888	
					Yes	0	0		-888	
					Yes	0	0		-888	
					Yes	0	0		-888	
					Yes	0	0		-888	
					Yes	0	0		-888	
					Yes	0	0		-888	

Total SPL L Aeq(15minute) (dB(A))

Total SPL L Aeq(15minute) (dB(A))

c. +15

Project name	RP2J
Scenario name	Linemarking
Receiver address	83 Lookout Rd, New Lambton Heights (R2731)
Select area ground type	Developed settlements (urban and suburban areas)
Select type of background noise level input	User Input

63

		Representative Noise Environment	User Input
Noise area category			
	Day		56
RBL or LA90 Background level (dB(A))	Evening		49
	Night		33
	Day		66
LAeq(15minute) Noise mangement level	Day (OOHW)		61
(dB(A))	Evening		54
	Night		38

Is all plant at the same representative distance to the receiver? Y/N	Υ		
Representative distance (m)	140	All at Representative Distance	
			L

(b) where user input is selected - enter the measured background noise level for each time period (cells D17 to D19).

6. Is all plant at the same representative distance to the receiver? Select Y or N (cell C24):
(a) where Y is selected - enter the representative distance in cell C25.
(b) where N is selected - go to step #7.

7. For the scenario (e.g., shallow excavation), select plant from the drop-down list in cells A28 to A47 (e.g. dump trucks + excavator).
(a) enter quantity for each selected plant in cells D28 to D47.
(b) where N is selected from step #6 - enter the distance to receiver for each individual plant in cells E28 to E47.
(c) is there line of sight to receiver? select from drop down list in cells F28 to F47. Solid barrier can be in the form of road cut curtain, timber lapped and capped fence, shipping container, site office, etc. Please note that vegetation and trees are not or 8. Identify, the level above background and/or noise mangement level (see rows 57 to 62).

9. Identify and implement standard mitigation measures where feasible and reasonable. Include any shielding implemented as part (the selection in the 1s there line of sight to receiver' drop-down list.

10. Identify and implement feasible and leasonable additional mitigation measures (see rows 63 to 65).

11. Documped et description in jocation, duration, hours of work, construction methodology, plant, potentially impacted rec (b) background noise levels.

(c) noise management levels
(d) predicted noise levels for each time period.

(e) sleep disturbance affected distance for night works.

(f) mitigation measures.

(g) team member responsible for implementing mitigation measures and managing noise and vibration.

(Note that suitable noise management levels for other noise-sensitive businesses not identified in the Construction Noise Estimator t basis. Please contact a Roads and Maritime noise speciliast for more information)

Type/ model plant (See Sources Sheet)	SWL LAeq (dB(A))	SPL @7m (dB(A))	Quantity	Individual distance to receiver (m)	Is there line of sight to receiver? Y/N	Quantity correction (dBA)	Shielding correction (dBA)	Distance used in calculation (m)	Contribution SPL (dB(A))
Vacuum truck	117	92	1		No (behind substantial solid barrier)	0	-10	140	53
Light vehicles	90	65	-1		No (behind substantial solid barrier)	0	-10	140	26
Truck (>20tonne)	106	81	1	(No (behind substantial solid barrier)	0	-10	140	42
Generator	95	70	1		No (behind substantial solid barrier)	0	-10	140	31
					Yes	0	. 0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	. 0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
			is a second		Yes	0	0		-888

Project name	RP2J
Scenario name	Linemarking
Receiver address	83 Lookout Rd, New Lambton Heights (R2731)
Select area ground type	Developed settlements (urban and suburban areas)
Select type of background noise level input	User Input

		Representative Noise Environment	User Input
Noise area category			
	Day		56
RBL or LA90 Background level (dB(A))	Evening		49
	Night		33
	Day	-	66
LAeq(15minute) Noise mangement level	Day (OOHW)		61
(dB(A))	Evening		54
	Night		38

Is all plant at the same representative distance to the receiver? Y/N

(b) where user input is selected - enter the measured background noise level for each time period (cells D17 to D19).

6. Is all plant at the same representative distance to the receiver? Select Y or N (cell C24):
(a) where Y is selected - got step #7.

7. For the scenario (e.g. shallow excavation), select plant from the drop-down list in cells A28 to A47 (e.g. dump trucks + excavator (a) enter quantity for each selected plant in cells D28 to D47.
(b) where N is selected from step #6. enter the distance to receiver for each individual plant in cells E28 to E47.
(c) is there line of sight to receiver's elect from drop down list in cells F28 to F47. Solid barrier can be in the form of road c curtain, timber lapped and capped fence, shipping container, site office, etc. Please note that vegetation and trees are not it.
8. Identify the level above background and/or noise mangement level (see rows 57 to 62).
9. Identify and implement standard mitigation measures where feasible and reasonable. Include any shielding implemented as part the selection in the 1s there line of sight to receiver' drop-down in the sum and the summary report detailing:

(a) project description (including location, duration, hours of work, construction methodology, plant, potentially impacted re (b) background noise levels.

(d) predicted noise levels for each time period.
(e) sleep disturbance affected distance for night works.
(f) mitigation measures.
(g) team member responsible for implementing mitigation measures and managing noise and vibration.

(Note that suitable noise management levels for other noise-sensitive businesses not identified in the Construction Noise Estimator

(Note that suitable noise management levels for other noise-sensitive businesses not identified in the Construction Noise Estimator

Representative distance (m)	320	All at Representative Dista	nce basis. Please cor	tact a Roads and Maritime noise speciliast	for more informat	ion)		
Type/ model plant (See Sources Sheet)	SWL LAeq (dB(A))	SPL @7m (dB(A))	Quantity	Individual distance to receiver (m)	Is there line of sight to receiver? Y/N	Quantity correction (dBA)	Shielding correction (dBA)	Distance used in calculation	Contribution
Vacuum truck	117	92	1		No (behind substantial solid barrier)	0	-10	(m) 320	43
Light vehicles	90	65	1		No (behind substantial solid barrier)	0	-10	320	16
Truck (>20tonne)	106	81	1		No (behind substantial solid barrier)	0	-10	320	32
Generator	95	70	1		No (behind substantial solid barrier)	0	-10	320	21
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
	1				Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
			l l		Yes	0	0		-888
			a di		Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888

e. NML

Total SPL L Aeq(15minute) (dB(A))

•					(h) whore	user input is selected - enter the measured	d background noi	no lovel for analy	time period (cells D	17 to D10)
Project name		RP2J		6		e same representative distance to the rece			unie penou (cens D	17 10 10 15).
Scenario name		Linemarking		J 0.		Y is selected - enter the representative dis				
Receiver address		83 Lookout Rd, New Lambton		-		N is selected - go to step #7				
Select area ground type		Developed settlements (urban ar	nd suburban areas)	7.		(e.g. shallow excavation), select plant fro		list in cells A28	to A47 (e.g. dump tr	ucks + excavator
Select type of background noise le	everinput	User Input			(a) enter of	quantity for each selected plant in cells D28	3 to D47.			
		Representative Noise Environment	User Input	1	(c) is there	N is selected from step #6 - enter the dista e line of sight to receiver? select from drop	down list in cells	F28 to F47. Soli	d barrier can be in th	ne form of road cu
Noise area category				٦ ١,		nber lapped and capped fence, shipping co I above background and/or noise mangem			ote that vegetation a	nd trees are not o
	Day		56	9.	Identify the level	i above background and/or noise mangem lement standard mitigation measures whe	re feasible and re	asonable Includ	le any shielding impl	emented as nart
RBL or LA90 Background level (dB(A))	Evening		49			e 'Is there line of sight to receiver' drop-do		accinable. melec	io any omoroning imp	omomou do part
	Night		33			plement feasible and reasonable additiona	al mitigation meas	ures (see rows 6	63 to 65).	
	Day		66	11		ummary report detailing:	20.000	20 42 522	200 200 12 10	
I a de la	Day (OOHW)		61	H		description (including location, duration, hound noise levels.	ours of work, con	struction method	lology, plant, potent	nally impacted re-
LAeq(15minute) Noise mangement level (dB(A))			54	4		nanagement levels .				
(db(A))	Evening		(ABA)	4		ed noise levels for each time period.				
	Night		38		(e) sleep (disturbance affected distance for night work	ks.			
			8			on measures.				
Is all plant at the same representative of receiver? Y/N	listance to the	Y				nember responsible for implementing mitig		1505		Neiss Estimater
Representative distance (n	n)	470	All at Representative D.			noise management levels for other noise- act a Roads and Maritime noise speciliast			a in the constitution	I WOISE ESTIMATOR
Representative distance (n	n)	470	All at Representative D			act a Roads and Maritime noise speciliast			an inc constitution	I Noise Estimator
Representative distance (n Type/ model plant (See Sources Sheet)	SWL LAeq (dB(A))		All at Representative D	istance ba			Quantity correction	Shielding correction	Distance used in calculation	Contribution SPL (dB(A))
			A447.750.00.00.000	istance ba	asis. Please contains all distance to	act a Roads and Maritime noise speciliast Is there line of sight to receiver? Y/N	for more informat	Shielding	Distance used	Contribution
Type/ model plant (See Sources Sheet)	SWL LAeq (dB(A))	SPL @7m (dB(A))	A447.750.00.00.000	istance ba	asis. Please contains all distance to	act a Roads and Maritime noise speciliast Is there line of sight to receiver? YIN No (behind substantial solid barrier)	Quantity correction (dBA)	Shielding correction (dBA)	Distance used in calculation (m)	Contribution SPL (dB(A))
Type/ model plant (See Sources Sheet) Vacuum truck	SWL LAeq (dB(A))	SPL @7m (dB(A)) 92	Quantity 1	istance ba	asis. Please contains all distance to	act a Roads and Maritime noise speciliast Is there line of sight to receiver? Y/N No (behind substantial solid barrier) No (behind substantial solid barrier)	Quantity correction (dBA)	Shielding correction (dBA)	Distance used in calculation (m) 470	Contribution SPL (dB(A))
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles	SWL LAeq (dB(A)) 117 90	SPL @7m (dB(A)) 92 65	Quantity 1 1	istance ba	asis. Please contains all distance to	act a Roads and Maritime noise speciliast is there line of sight to receiver? Y/N No (behind substantial solid barrier) No (behind substantial solid barrier) No (behind substantial solid barrier)	Quantity correction (dBA) 0	Shielding correction (dBA) -10 -10	Distance used in calculation (m) 470 470	Contribution SPL (dB(A)) 38 11
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne)	SWL LAeq (dB(A)) 117 90 106	SPL @7m (dB(A)) 92 65 81	Quantity 1 1 1	istance ba	asis. Please contains all distance to	act a Roads and Maritime noise speciliast Is there line of sight to receiver? Y/N No (behind substantial solid barrier) No (behind substantial solid barrier)	Quantity correction (dBA) 0 0	Shielding correction (dBA) -10 -10 -10	Distance used in calculation (m) 470 470 470	Contribution SPL (dB(A)) 38 11 27
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne)	SWL LAeq (dB(A)) 117 90 106	SPL @7m (dB(A)) 92 65 81	Quantity 1 1 1	istance ba	asis. Please contains all distance to	act a Roads and Maritime noise speciliast Is there line of sight to receiver? Y/N No (behind substantial solid barrier)	Quantity correction (dBA) 0 0 0 0 0	Shielding correction (dBA) -10 -10 -10 -10 -10	Distance used in calculation (m) 470 470 470	Contribution SPL (dB(A)) 38 11 27 16
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne)	SWL LAeq (dB(A)) 117 90 106	SPL @7m (dB(A)) 92 65 81	Quantity 1 1 1	istance ba	asis. Please contains all distance to	act a Roads and Maritime noise speciliast Is there line of sight to receiver? Y/N No (behind substantial solid barrier) Yes	Quantity correction (dBA) 0 0 0 0 0 0	Shielding correction (dBA) -10 -10 -10 -10 -10 0	Distance used in calculation (m) 470 470 470	Contribution SPL (dB(A)) 38 11 27 16 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne)	SWL LAeq (dB(A)) 117 90 106	SPL @7m (dB(A)) 92 65 81	Quantity 1 1 1	istance ba	asis. Please contains all distance to	act a Roads and Maritime noise speciliast Is there line of sight to receiver? Y/N No (behind substantial solid barrier) Yes Yes	Quantity correction (dBA) 0 0 0 0 0 0 0	Shielding correction (dBA) -10 -10 -10 -10 0 0	Distance used in calculation (m) 470 470 470	Contribution SPL (dB(A)) 38 11 27 16 -888 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne)	SWL LAeq (dB(A)) 117 90 106	SPL @7m (dB(A)) 92 65 81	Quantity 1 1 1	istance ba	asis. Please contains all distance to	act a Roads and Maritime noise speciliast Is there line of sight to receiver? Y/N No (behind substantial solid barrier) Yes Yes Yes Yes	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA) -10 -10 -10 -10 0 0 0	Distance used in calculation (m) 470 470 470	Contribution SPL (dB(A)) 38 11 27 16 -888 -888 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne)	SWL LAeq (dB(A)) 117 90 106	SPL @7m (dB(A)) 92 65 81	Quantity 1 1 1	istance ba	asis. Please contains all distance to	act a Roads and Maritime noise speciliast Is there line of sight to receiver? Y/N No (behind substantial solid barrier) Yes Yes Yes Yes Yes	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA)	Distance used in calculation (m) 470 470 470	Contribution SPL (dB(A)) 38 11 27 16 -888 -888 -888 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne)	SWL LAeq (dB(A)) 117 90 106	SPL @7m (dB(A)) 92 65 81	Quantity 1 1 1	istance ba	asis. Please contains all distance to	act a Roads and Maritime noise speciliast Is there line of sight to receiver? Y/N No (behind substantial solid barrier) Yes Yes Yes Yes Yes Yes	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA)	Distance used in calculation (m) 470 470 470	Contribution SPL (dB(A)) 38 11 27 16 -888 -888 -888 -888 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne)	SWL LAeq (dB(A)) 117 90 106	SPL @7m (dB(A)) 92 65 81	Quantity 1 1 1	istance ba	asis. Please contains all distance to	act a Roads and Maritime noise speciliast Is there line of sight to receiver? Y/N No (behind substantial solid barrier) Yes Yes Yes Yes Yes Yes Yes Yes	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA)	Distance used in calculation (m) 470 470 470	Contribution SPL (dB(A)) 38 11 27 16 -888 -888 -888 -888 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne)	SWL LAeq (dB(A)) 117 90 106	SPL @7m (dB(A)) 92 65 81	Quantity 1 1 1	istance ba	asis. Please contains all distance to	act a Roads and Maritime noise speciliast Is there line of sight to receiver? YN No (behind substantial solid barrier) Yes	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA)	Distance used in calculation (m) 470 470 470	Contribution SPL (dB(A)) 38 111 27 16 -888 -888 -888 -888 -888 -888 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne)	SWL LAeq (dB(A)) 117 90 106	SPL @7m (dB(A)) 92 65 81	Quantity 1 1 1	istance ba	asis. Please contains all distance to	act a Roads and Maritime noise speciliast Is there line of sight to receiver? YIN No (behind substantial solid barrier) Yes	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction	Distance used in calculation (m) 470 470 470	Contribution SPL (dB(A)) 38 11 27 16 -888 -888 -888 -888 -888 -888 -888 -888 -888 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne)	SWL LAeq (dB(A)) 117 90 106	SPL @7m (dB(A)) 92 65 81	Quantity 1 1 1	istance ba	asis. Please contains all distance to	act a Roads and Maritime noise speciliast Is there line of sight to receiver? Y/N No (behind substantial solid barrier) Yes	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction	Distance used in calculation (m) 470 470 470	Contribution SPL (dB(A)) 38 11 27 16 -888 -888 -888 -888 -888 -888 -888 -
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne)	SWL LAeq (dB(A)) 117 90 106	SPL @7m (dB(A)) 92 65 81	Quantity 1 1 1	istance ba	asis. Please contains all distance to	act a Roads and Maritime noise speciliast Is there line of sight to receiver? YN No (behind substantial solid barrier) Yes	Guantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA)	Distance used in calculation (m) 470 470 470	Contribution SPL (dB(A)) 38 11 27 16 -838 -838 -888 -888 -888 -888 -888 -88
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne)	SWL LAeq (dB(A)) 117 90 106	SPL @7m (dB(A)) 92 65 81	Quantity 1 1 1	istance ba	asis. Please contains all distance to	act a Roads and Maritime noise speciliast Is there line of sight to receiver? Y/N No (behind substantial solid barrier) Yes	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction	Distance used in calculation (m) 470 470 470	Contribution SPL (dB(A)) 38 11 27 16 -888 -888 -888 -888 -888 -888 -888 -888 -888 -888 -888 -888 -888 -888 -888 -888 -888 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne)	SWL LAeq (dB(A)) 117 90 106	SPL @7m (dB(A)) 92 65 81	Quantity 1 1 1	istance ba	asis. Please contains all distance to	act a Roads and Maritime noise speciliast Is there line of sight to receiver? YN No (behind substantial solid barrier) Yes	Quantity Correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA)	Distance used in calculation (m) 470 470 470	Contribution SPL (dB(A)) 38 111 27 16 -888 -888 -888 -888 -888 -888 -888 -
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne)	SWL LAeq (dB(A)) 117 90 106	SPL @7m (dB(A)) 92 65 81	Quantity 1 1 1	istance ba	asis. Please contains all distance to	act a Roads and Maritime noise speciliast Is there line of sight to receiver? YN No (behind substantial solid barrier) Yes	Quantity Correction General Particular Correction Correction	Shielding Correction Corr	Distance used in calculation (m) 470 470 470	Contribution SPL (dB(A)) SPL (dB(A)) 11 27 16 -888 -888 -888 -888 -888 -888 -888 -
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne)	SWL LAeq (dB(A)) 117 90 106	SPL @7m (dB(A)) 92 65 81	Quantity 1 1 1	istance ba	asis. Please contains all distance to	act a Roads and Maritime noise speciliast Is there line of sight to receiver? YN No (behind substantial solid barrier) Yes	Quantity Correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA)	Distance used in calculation (m) 470 470 470	Contribution SPL (dB(A)) 38 111 27 16 -888 -888 -888 -888 -888 -888 -888 -

6. Barriers NCA 10 - 2660 (335 McCaffrey Drive, Rankin Park)

a. Worst case

Project name		RP2J				
Scenario name		Barriers				
Receiver address		335 McCaffrey Drive, Rankin Park (R2660)				
Select area ground type	2002	Developed settlements (urban ar	nd suburban areas)			
Select type of background noise level input		User Input	Control Management Control Control Control			
	1	Representative Noise Environment	User Input			
Noise area category						
	Day		38			
RBL or LA96 Background level (dB(A))	Evening		35			
	Night		26			
	Day		48			
.Aeq(15minute) Noise mangement level (dB(A))	Day (OOHW)		43			
Aeq(isimilate) noise mangement level (db(A))	Evening		40			
	Night		31			
19			-			
s all plant at the same representative distance to	the receiver? Y/N	Y				
Representative distance (m)		95	All at Representative Distan			

(b) where user imput is selected - enter the measured background noise level for each time period (cells D17 to D19).

6. Is all plant at the same representative distance to the receiver? Select Y or N cell C24):
(a) where Y is selected - enter the representative distance in cell C25.
(b) where N is selected - go to step #7
7. For the scenario (e.g. shallow excavation), select plant from the drop-down list in cells A28 to A47 (e.g. dump trucks + excavator).
(a) enter quantity for each selected plant in cells D28 to D47.
(b) where N is selected from step #6 - enter the distance to receiver each individual plant in cells E28 to E47.
(c) is there line of sight to receiver? select from drop down list in cells F28 to F47. Solid barrier can be in the form of r oad cuttin curtain, timber lapped and capped fence, shipping container, site office, etc. Please note that vegetation and trees are not con
8. Identify the evel above background and/or noise mangement level (see rows 57 to 62).
9. Identify and implement standard mitigation measures where feasible and reasonable include any shielding implemented as part of the selection in the 1s there line of sight to receiver' drop-down list in cells F28 to F47.

10. Identify the sammary report detailing:

(a) project description (including location, duration, hours of work, construction methodology, plant, potentially impacted recei
(b) background noise levels.
(c) noise managument levels
(d) project description (including location, duration, hours of work, construction methodology, plant, potentially impacted recei
(d) project description (including location, duration, hours of work, construction methodology, plant, potentially impacted recei
(d) project description (including location, duration, hours of work, construction methodology, plant, potentially impacted recei
(d) project description (including location, duration, hours of work, construction methodology, plant, potentially impacted recei
(d) project description (including location, duration, hours of work, construc

(Note that suitable noise management levels for other noise-sensitive businesses not identified in the Construction Noise Estima for sh

Type/ model plant (See Sources Sheet)	SWL LAeq (dB(A))	SPL @7m (dB(A))	Quantity	Individual distance to receiver (m)	Is there line of sight to receiver? Y/N	Quantity correction (dBA)	Shielding correction (dBA)	Distance used in calculation (m)	Contribution SPL (dB(A))
Fixed Crane	97	72	- 1		No (behind substantial solid barrier)	0	-10	95	37
Light vehicles	90	65	1		No (behind substantial solid barrier)	0	-10	95	30
Truck (>20tonne)	106	81	1	_	No (behind substantial solid barrier)	0	-10	95	46
Generator	98	73	1		No (behind substantial solid barrier)	0	-10	95	38
Pneumatic Jackhammer	115	90	1		No (behind substantial solid barrier)	0	-10	95	55
Small Hand Tools	95	70			No (behind substantial solid barrier)	0	-10	95	35
					Yes	0	0		-888
					Yes	0	0		-888
					No (behind substantial solid barrier)	0	-10		-888
					No (behind substantial solid barrier)	0	-10		-888
					No (behind substantial solid barrier)	0	-10		-888
	*				Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888

Total SPL L Aeq(15minute) (dB(A)) b. +25

Representative distance (m)

Receiver address	335 McCaffrey Drive, Rankin Pa	rk (R2660)	
Select area ground type	000 000	Developed settlements (urban and s	uburban areas)
Select type of background noise leve	l input	User Input	
		Representative Noise Environment	User Input
Noise area category			•
	Day		38
RBL or LA96 Background level (dB(A))	Evening		35
	Night	l e	26
	Day		48
I A - ((E-i-ut-) Noise management level (dP(A))	Day (OOHW)		43
	Evening		40
	Night		31

(b) where user input is selected - enter the measured background noise level for each time period (cells D17 to D19).

6. Is all plant at the same representative distance to the receiver? Select Y or N (cell C24):

(b) where N is selected - go to step 47.

7. For the scenario (e.g. shallow excavation), select plant from the drop-down list in cells A28 to A47 (e.g. dump trucks + excavator).

(a) enter quantity for each selected plant in cells D28 to D47.

(b) where N is selected from step #5 - enter the distance to receiver for each individual plant in cells E28 to E47.

(c) is there line of sight to receiver? select from drop down list in cells F28 to F47. Solid barrier can be in the form of road cuttin curtain, timber lapped and capped fence, shipping container, site office, etc. Please note that vegetation and trees are not con

8. Identify the level above background and/or noise management level (see rows 57 to 62).

9. Identify and implement standard mitigation measures where feasible and reasonable. Include any shielding implemented as part of the selection in the 1s there line of sight to receiver' drop-down list on the selection in the 1s there line of sight to receiver' drop-down list on the selection in the 1s there line of sight to receiver' drop-down list on the selection in a summary report detailing:

(a) project description (including location, duration, hours of work, construction methodology, plant, potentially impacted recei (b) background noise levels.

(c) noise management levels.

(d) predicted noise levels for each time period.

(d) predicted doise levels for each time period.

(g) Itam member responsible for implementing mitigation measures and managing noise and vibration.

(Note that suitable noise management levels for other noise-sensitive businesses not identified in the Construction Noise Estimator sh

Type/ model plant (See Sources Sheet)	SWL LAeq (dB(A))	SPL @7m (dB(A))	Quantity	Individual distance to receiver (m)	Is there line of sight to receiver? Y/N	Quantity correction (dBA)	Shielding correction (dBA)	Distance used in calculation (m)	Contribution SPL (dB(A))
Fixed Crane	97	72	- 1		No (behind substantial solid barrier)	0	-10	95	37
Light vehicles	90	65	1		No (behind substantial solid barrier)	0	-10	95	30
Truck (>20tonne)	106	81	1		No (behind substantial solid barrier)	0	-10	95	46
Generator	98	73	1		No (behind substantial solid barrier)	0	-10	95	38
Pneumatic Jackhammer	115	90	1		No (behind substantial solid barrier)	0	-10	95	55
Small Hand Tools	95	70	1		No (behind substantial solid barrier)	0	-10	95	35
		***			Yes	0	0		-888
	1		10		Yes	0	0		-888
			4		No (behind substantial solid barrier)	0	-10		-888
					No (behind substantial solid barrier)	0	-10		-888
					No (behind substantial solid barrier)	0	-10		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888

B-1-4				0.5.4				Form and Advantage Bu	74- 040
Project name Scenario name		RP2J Barriers			user input is selected - enter the measured to same representative distance to the receive			time period (cells D	17 to D19).
Receiver address		335 McCaffrey Drive, Rankir	Park (P2660)		Y is selected - enter the representative dist		N (Cell C24).		
Select area ground type		Developed settlements (urban an			N is selected - go to step #7				
Select type of background noise lev	vel input	User Input	a dabarban arada)		io (e.g. shallow excavation), select plant from		list in cells A28	to A47 (e.g. dump tru	icks + excavat
					quantity for each selected plant in cells D28				
		Representative Noise Environment	User Input		N is selected from step #6 - enter the distance in line of sight to receiver? select from drop of				
Noise area category		*		curtain, ti	mber lapped and capped fence, shipping co	ntainer, site offic	e, etc. Please no		
	Day		38		el above background and/or noise mangeme			200	
RBL or LA90 Background level (dB(A))	Evening		35		plement standard mitigation measures when he 'Is there line of sight to receiver' drop-dov		asonable. Includ	le any shielding impl	emented as pa
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Night		26		ne 'is there line of sight to receiver drop-dov nplement feasible and reasonable additional		ures (see rows i	33 to 65)	
	Day		48	11. Document a s	summary report detailing:				
	Day (OOHW)		43		et description (including location, duration, ho	ours of work, con	struction method	dology, plant , potent	ally impacted
LAeq(15minute) Noise mangement level (dB(A))	Evening		40		round noise levels. management levels.				
	Night		31		trianagement levels . cted noise levels for each time period.				
	nigite	L	31		disturbance affected distance for night work	S.			
			l		tion measures.				
s all plant at the same representative distance	to the receiver? Y/N	Y		(g) team	member responsible for implementing mitiga	ation measures a	nd managing no	ise and vibration.	
		240		(Note that enitable	a noise management levels for other noise	eaneitiva hueinae	ese not identifie	d in the Construction	Noise Estima
Representative distance (m)	Y	210	All at Representative Distanc	e (Note that suitable	e noise management levels for other noise -	sensitive busines	ses not identifie	d in the Construction	Noise Estima
Representative distance (m)		210	N. 100 C. 10 Bar. 1 - 10 C. 100 C.	5. [9	e noise management levels for other noise -s	sensitive busines	ses not identifie		
Representative distance (m) Type/ model plant (See Sources Sheet)	SWL LAeq (dB(A))		N. 100 C. 10 Bar. 1 - 10 C. 100 C.	ndividual distance to	e noise management levels for other noise -s	Quantity correction	Shielding correction	Distance used in	Contribution
Type/ model plant (See Sources Sheet)	SWL LAeq (dB(A))	SPL @7m (dB(A))		5. [9	Is there line of sight to receiver? Y/N	Quantity correction (dBA)	Shielding correction (dBA)	Distance used in calculation (m)	Contribution SPL (dB(A))
Type/ model plant (See Sources Sheet) Fixed Crane	SWL LAeq (dB(A))	SPL @7m (dB(A))	Quantity I	ndividual distance to	Is there line of sight to receiver? Y/N No (behind substantial solid barrier)	Quantity correction (dBA)	Shielding correction (dBA) -10	Distance used in calculation (m)	Contribution SPL (dB(A))
Type/ model plant (See Sources Sheet) Fixed Crane Light vehicles	SWL LAcq (dB(A)) 97 90	SPL @7m (dB(A)) 72 65	Quantity I	ndividual distance to	Is there line of sight to receiver? Y/N No (behind substantial solid barrier) No (behind substantial solid barrier)	Quantity correction (dBA) 0	Shielding correction (dBA) -10	Distance used in calculation (m) 210 210	Contribution SPL (dB(A)) 28 21
Type/ model plant (See Sources Sheet) Fixed Crane Light vehicles Truck (<20tonne)	97 90 106	SPL @7m (dB(A)) 72 65 81	Quantity I	ndividual distance to	Is there line of sight to receiver? Y/N No (behind substantial solid barrier) No (behind substantial solid barrier) No (behind substantial solid barrier)	Quantity correction (dBA) 0 0	Shielding correction (dBA) -10 -10	Distance used in calculation (m) 210 210 210 210	Contribution SPL (dB(A)) 28 21 37
Type/ model plant (See Sources Sheet) Fixed Crane Light vehicles Truck (>20thone) Generator	97 90 106 98	SPL @7m (dB(A)) 72 65 81 73	Quantity 1 1 1 1 1 1 1 1 1	ndividual distance to	Is there line of sight to receiver? Y/N No (behind substantial solid barrier)	Quantity correction (dBA) 0 0 0	Shielding correction (dBA) -10 -10 -10 -10 -10	Distance used in calculation (m) 210 210 210 210 210	Contribution SPL (dB(A)) 28 21 37 29
Type/ model plant (See Sources Sheet) Fixed Crane Light vehicles Truck (>20tonne) Generator Pneumists Jackhammer	97 90 106 98 115	SPL @7m (dB(A)) 72 65 81 73 90	Quantity 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ndividual distance to	Is there line of sight to receiver? Y/N No (behind substantial solid barrier)	Quantity correction (dBA) 0 0 0	Shielding correction (dBA) -10 -10 -10 -10 -10	Distance used in calculation (m) 210 210 210 210 210 210 210	Contribution SPL (dB(A)) 28 21 37 29 46
Type/ model plant (See Sources Sheet) Fixed Crane Light vehicles Truck (>20thone) Generator	97 90 106 98	SPL @7m (dB(A)) 72 65 81 73	Quantity 1 1 1 1 1 1 1 1 1	ndividual distance to	Is there line of sight to receiver? Y/N No (behind substantial solid barrier)	Quantity correction (dBA) 0 0 0	Shielding correction (dBA) -10 -10 -10 -10 -10	Distance used in calculation (m) 210 210 210 210 210	Contribution SPL (dB(A)) 28 21 37 29
Type/ model plant (See Sources Sheet) Fixed Crane Light vehicles Truck (>20tonne) Generator Pneumists Jackhammer	97 90 106 98 115	SPL @7m (dB(A)) 72 65 81 73 90	Quantity 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ndividual distance to	Is there line of sight to receiver? Y/N No (behind substantial sold barrier)	Quantity correction (dBA) 0 0 0 0 0 0 0	Shielding correction (dBA) -10 -10 -10 -10 -10 -10 -10	Distance used in calculation (m) 210 210 210 210 210 210 210	Contribution SPL (dB(A)) 28 21 37 29 46 26
Type/ model plant (See Sources Sheet) Fixed Crane Light vehicles Truck (>20tonne) Generator Pneumists Jackhammer	97 90 106 98 115	SPL @7m (dB(A)) 72 65 81 73 90	Quantity 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ndividual distance to	Is there line of sight to receiver? Y/N No (behind substantial solid barrier) Yes	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA) -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	Distance used in calculation (m) 210 210 210 210 210 210 210	Contribution SPL (dB(A)) 28 21 37 29 46 26 -888
Type/ model plant (See Sources Sheet) Fixed Crane Light vehicles Truck (>20tonne) Generator Pneumatic Jackhammer	97 90 106 98 115	SPL @7m (dB(A)) 72 65 81 73 90	Quantity 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ndividual distance to	Is there line of sight to receiver? Y/N No (behind substantial solid barrier) Yes	Quantity correction (dBA) 0 0 0 0 0 0 0	Shielding correction (dBA) -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	Distance used in calculation (m) 210 210 210 210 210 210 210	Contribution SPL (dB(A)) 28 21 37 29 46 -888 -888
Type/ model plant (See Sources Sheet) Fixed Crane Light vehicles Truck (>20tonne) Generator Pneumists Jackhammer	97 90 106 98 115	SPL @7m (dB(A)) 72 65 81 73 90	Quantity 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ndividual distance to	Is there line of sight to receiver? Y/N No (behind substantial sold barrier) Yes Yes No (behind substantial sold barrier)	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA) -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	Distance used in calculation (m) 210 210 210 210 210 210 210	Contribution SPL (dB(A)) 28 21 37 29 46 26 -888 -888
Type/ model plant (See Sources Sheet) Fixed Crane Light vehicles Truck (>20tonne) Generator Pneumatic Jackhammer	97 90 106 98 115	SPL @7m (dB(A)) 72 65 81 73 90	Quantity 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ndividual distance to	Is there line of sight to receiver? Y/N No (behind substantial solid barrier) Yes Yes No (behind substantial solid barrier)	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA) -10 -10 -10 -10 -10 -10 -10 -10 -10 -11 -11	Distance used in calculation (m) 210 210 210 210 210 210 210	Contribution SPL (dB(A)) 28 21 37 29 46 26 -888 -888 -888
Type/ model plant (See Sources Sheet) Fixed Crane Light vehicles Truck (>20tonne) Generator Pneumatic Jackhammer	97 90 106 98 115	SPL @7m (dB(A)) 72 65 81 73 90	Quantity 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ndividual distance to	Is there line of sight to receiver? Y/N No (behind substantial sold barrier)	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA) -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	Distance used in calculation (m) 210 210 210 210 210 210 210	Contribution SPL (dB(A)) 28 21 37 29 46 26 -888 -888 -888 -888
Type/ model plant (See Sources Sheet) Fixed Crane Light vehicles Truck (>20tonne) Generator Pneumists Jackhammer	97 90 106 98 115	SPL @7m (dB(A)) 72 65 81 73 90	Quantity 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ndividual distance to	Is there line of sight to receiver? Y/N No (behind substantial solid barrier) Yes Yes No (behind substantial solid barrier) Yes	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA) -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	Distance used in calculation (m) 210 210 210 210 210 210 210	Contribution SPL (dB(A)) 28 21 37 29 46 26 -888 -888 -888 -888 -888
Type/ model plant (See Sources Sheet) Fixed Crane Light vehicles Truck (>20tonne) Generator Pneumits: Jackhammer	97 90 106 98 115	SPL @7m (dB(A)) 72 65 81 73 90	Quantity 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ndividual distance to	Is there line of sight to receiver? Y/N No (behind substantial solid barrier) Yes Yes Yes	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA) -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	Distance used in calculation (m) 210 210 210 210 210 210 210	Contribution SPL (dB(A)) 28 21 37 29 46 26 -888 -888 -888 -888 -888 -888
Type/ model plant (See Sources Sheet) Fixed Crane Light vehicles Truck (>20tonne) Generator Pneumists Jackhammer	97 90 106 98 115	SPL @7m (dB(A)) 72 65 81 73 90	Quantity 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ndividual distance to	Is there line of sight to receiver? Y/N No (behind substantial solid barrier) Yes Yes Yes No (behind substantial solid barrier) No (behind substantial solid barrier) No (behind substantial solid barrier) Yes Yes Yes Yes	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA) -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	Distance used in calculation (m) 210 210 210 210 210 210 210	Contribution SPL (dB(A)) 28 21 37 29 46 26 688 -888 -888 -888 -888 -888 -888 -
Type/ model plant (See Sources Sheet) Fixed Crane Light vehicles Truck (>20tonne) Generator Pneumists Jackhammer	97 90 106 98 115	SPL @7m (dB(A)) 72 65 81 73 90	Quantity 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ndividual distance to	Is there line of sight to receiver? Y/N No (behind substantial solid barrier) Yes Yes Yes Yes Yes	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA)	Distance used in calculation (m) 210 210 210 210 210 210 210	Contribution SPL (dB(A)) 28 21 21 37 29 46 28 888 -888 -888 -888 -888 -888 -888
Type/ model plant (See Sources Sheet) Fixed Crane Light vehicles Truck (>20tonne) Generator Pneumists Jackhammer	97 90 106 98 115	SPL @7m (dB(A)) 72 65 81 73 90	Quantity 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ndividual distance to	Is there line of sight to receiver? Y/N No (behind substantial solid barrier) Yes Yes Yes Yes Yes Yes Yes Yes	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA) -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	Distance used in calculation (m) 210 210 210 210 210 210 210	Contribution SPL (dB(A)) 28 21 21 37 29 46 26 -888 -888 -888 -888 -888 -888 -888
Type/ model plant (See Sources Sheet) Fixed Crane Light vehicles Truck (>20tonne) Generator Pneumstc Jackhammer	97 90 106 98 115	SPL @7m (dB(A)) 72 65 81 73 90	Quantity 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ndividual distance to	Is there line of sight to receiver? Y/N No (behind substantial solid barrier) Yes Yes Yes Yes Yes	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA)	Distance used in calculation (m) 210 210 210 210 210 210 210	Contribution SPL (dB(A)) 28 21 21 37 29 46 28 888 -888 -888 -888 -888 -888 -888

Total SPL L Aeq(15minute) (d	B(A))	46							
d. +5									
Project name		RP2J			user input is selected - enter the measured		e level for each	time period (cells D	17 to D19)
Scenario name		Barriers			e same representative distance to the recei-			time period (cens b	17 10 0 19).
Receiver address		335 McCaffrey Drive, Rankin	Park (P2660)		Y is selected - enter the representative dist				
Select area ground type		Developed settlements (urban an			N is selected - go to step #7				
Select type of background noise le	vel input	User Input	a dabat batt at daby		o (e.g. shallow excavation), select plant from		list in cells A28	to A47 (e.g. dump tre	ucks + excavator
-					quantity for each selected plant in cells D28				
		Representative Noise Environment	User Input		N is selected from step #6 - enter the dista- e line of sight to receiver? select from drop of				
Noise area category		nopresentative noise Environment	ooor input		mber lapped and capped fence, shipping co				
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Day		38		el above background and/or noise mangeme				
DDL and too Destructional (dD(A))	7		35		plement standard mitigation measures where		asonable. Includ	le any shielding impl	emented as pa r
RBL or LA90 Background level (dB(A))	Evening		- 500		ne 'Is there line of sight to receiver' drop-dov				
	Night		26		nplement feasible and reasonable additional	I mitigation meas	ures (see rows	63 to 65).	
	Day		48		ummary report detailing: t description (including location, duration, ho	ours of work con	etruction metho	follow plant potent	ially impacted -
LAeg(15minute) Noise mangement level (dB(A))	Day (OOHW)		43		round noise levels.	ours of work, con	siruciion memo	lology, plant, potent	ially illipacieu it
LAequisminute) Noise mangement level (do(A))	Evening		40		management levels .				
	Night		31		ted noise levels for each time period.				
					disturbance affected distance for night work	S.			
Is all plant at the same representative distance	to the receiver? Y/N			(g) team r	ion measures. member responsible for implementing mitiga		25/201 25/20		
Representative distance (m)	490	All at Representative Dis	tance (Note that suitable	e noise management levels for other noise-s	sensitive busines	ses not identifie	d in the Construction	Noise Estima to
Type/ model plant (See Sources Sheet)	SWL LAeq (dB(A))	SPL @7m (dB(A))	Quantity	Individual distance to receiver (m)	Is there line of sight to receiver? Y/N	Quantity correction (dBA)	Shielding correction (dBA)	Distance used in calculation (m)	Contribution SPL (dB(A))
Fixed Crane	97	72	1		No (behind substantial solid barrier)	0	-10	490	18
Light vehicles	90	65	11		No (behind substantial solid barrier)	0	-10	490	11
Truck (>20tonne)	106	81	1		No (behind substantial solid barrier)	0	-10	490	27
Generator	98	73	1		No (behind substantial solid barrier)	0	-10	490	19
Pneumatic Jackhammer	115	90	1		No (behind substantial solid barrier)	0	-10	490	36
Small Hand Tools	95	70	1		No (behind substantial solid barrier)	0	-10	490	16
		855			Yes	0	0	200000	-888
					Yes	0	0		-888
					No (behind substantial solid barrier)	0	-10		-888
						0	-10		-888
					No (behind substantial solid barrier)	v			-888
		1			No (behind substantial solid barrier) No (behind substantial solid barrier)	0	-10		-000
						•			-888
					No (behind substantial solid barrier) Yes	0	-10 0		-888
					No (behind substantial solid barrier) Yes Yes	0	-10 0 0		-888 -888
					No (behind substantial solid barrier) Yes Yes Yes Yes	0 0 0	-10 0 0		-888 -888 -888
					No (behind substantial solid barrier) Yes Yes Yes Yes Yes Yes	0 0 0 0 0	-10 0 0 0		-888 -888 -888 -888
					No (behind substantial solid barrier) Yes Yes Yes Yes	0 0 0 0	-10 0 0 0 0		-888 -888 -888 -888
					No (behind substantial solid barrier) Yes Yes Yes Yes Yes Yes	0 0 0 0 0	-10 0 0 0 0 0		-888 -888 -888 -888 -888
					No (behind substantial solid barrier) Yes Yes Yes Yes Yes Yes Yes Yes	0 0 0 0 0 0	-10 0 0 0 0 0 0		-888 -888 -888 -888 -888 -888
					No (behind substantial solid barrier) Yes Yes Yes Yes Yes Yes Yes Yes Yes	0 0 0 0 0 0	-10 0 0 0 0 0		-888 -888 -888 -888 -888

e. NML

Project name		RP2J		(b) where	e user input is selected - enter the measured	d background nois	se level for each	time period (cells D	17 to D19).
Scenario name		Barriers			he same representative distance to the rece		N (cell C24):		
Receiver address		335 McCaffrey Drive, Rankin	Park (R2660)		e Y is selected - enter the representative dis	tance in cell C25.			
Select area ground type		Developed settlements (urban an	id suburban areas)		e N is selected - go to step #7				
Select type of background noise lev	el input	User Input			io (e.g. shallow excavation), select plant fro		list in cells A28	to A47 (e.g. dump tr	ucks + excava
					quantity for each selected plant in cells D28 e N is selected from step #6 - enter the dista		vr each individua	al plant in calle E28 to	0 F47
		Representative Noise Environment	User Input		re line of sight to receiver? select from drop				
Noise area category				curtain, ti	imber lapped and capped fence, shipping co	ntainer, site offici	e, etc. Please no		
	Day		38		el above background and/or noise mangem				
RBL or LA90 Background level (dB(A))	Evening		35		plement standard mitigation measures when the 'ls there line of sight to receiver' drop-do		asonable. Includ	de any shielding impl	lemented as
	Night		26		me is there line of signt to receiver drop-do mplement feasible and reasonable additiona		ures (see rows	63 to 65)	
	Day		48		summary report detailing:	i illingunon mous	aica (acc iona	05 10 05).	
	Day (OOHW)		43	(a) project	ct description (including location, duration, h	ours of work, con	struction method	dology, plant, potent	tially impacte
Aeq(15minute) Noise mangement level (dB(A))	Evening		40		ground noise levels.				
			77,000		management levels . cted noise levels for each time period.				
	Night		31		cted noise levels for each time period. disturbance affected distance for night work	re			
all plant at the same representative distance		Y 720		(g) team	tion measures. member responsible for implementing mitig le noise management levels for other noise -				Noise Estim
Representative distance (m)		720	All at Representative Distar	1Ce (Note that suitable	e noise management levels for other noise-	sensitive pusities	ses not identine	d in the Construction	I Noise Estima
Type/ model plant (See Sources Sheet)	SWL LAeg (dB(A))	CDV 0.7 (19/40)		Individual distance to		Quantity	Shielding	Distance used in	
Type: model plant (see sources slicely	SWL LANG (GD(A))	SPL @7m (dB(A))	Quantity	receiver (m)	Is there line of sight to receiver? Y/N	correction (dBA)	correction (dBA)	calculation (m)	SPL (dB(A)
Fixed Crane	97	SPL @/m (dB(A)) 72	Quantity 1		Is there line of sight to receiver? Y/N No (behind substantial solid barrier)	(dBA)	(dBA)	calculation (m)	SPL (dB(A
			1010000000			(dBA)	(dBA)	and the supplemental to th	and the same
Fixed Crane	97	72	1		No (behind substantial solid barrier)	(dBA) 0	(dBA) -10	720	13
Fixed Crane Light vehicles	97 90 106 98	72 65 81 73	1 1		No (behind substantial solid barrier) No (behind substantial solid barrier)	(dBA) 0 0	-10 -10 -10 -10 -10	720 720 720 720 720	13 6 22 14
Fixed Crane Light vehicles Truck (>20tonne) Generator Pneumatic Jackhammer	97 90 106 98 115	72 65 81 73 90	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		No (behind substantial solid barrier) No (behind substantial solid barrier) No (behind substantial solid barrier)	(dBA) 0 0 0 0	-10 -10 -10 -10 -10 -10	720 720 720 720 720 720	13 6 22 14 31
Fixed Crane Light vehicles Truck (>20tonne) Generator	97 90 106 98	72 65 81 73	1 1 1		No (behind substantial solid barrier)	0 0 0 0 0 0 0	(dBA) -10 -10 -10 -10 -10 -10 -10 -10	720 720 720 720 720	13 6 22 14 31
Fixed Crane Light vehicles Truck (>20tonne) Generator Pneumatic Jackhammer	97 90 106 98 115	72 65 81 73 90	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		No (behind substantial solid barrier) Yes	(dBA) 0 0 0 0 0 0 0	(dBA) -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	720 720 720 720 720 720	13 6 22 14 31 11 -888
Fixed Crane Light vehicles Truck (>20tonne) Generator Pneumatic Jackhammer	97 90 106 98 115	72 65 81 73 90	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		No (behind substantial solid barrier) Yes Yes	(dBA) 0 0 0 0 0 0 0	(dBA) -10 -10 -10 -10 -10 -10 -10 -0 -10 -10	720 720 720 720 720 720	13 6 22 14 31 11 -888 -888
Fixed Crane Light vehicles Truck (>20tonne) Generator Pneumatic Jackhammer	97 90 106 98 115	72 65 81 73 90	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		No (behind substantial solid barrier) Yes No (behind substantial solid barrier)	(dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	(dBA) -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	720 720 720 720 720 720	13 6 22 14 31 11 -888 -888
Fixed Crane Light vehicles Truck (>20tonne) Generator Pneumatic Jackhammer	97 90 106 98 115	72 65 81 73 90	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		No (behind substantial solid barrier) Yes No (behind substantial solid barrier) No (behind substantial solid barrier) No (behind substantial solid barrier)	(dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	(dBA) -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	720 720 720 720 720 720	13 6 22 14 31 11 -888 -888 -888
Fixed Crane Light vehicles Truck (>20tonne) Generator Pneumatic Jackhammer	97 90 106 98 115	72 65 81 73 90	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		No (behind substantial solid barrier) Yes No (behind substantial solid barrier)	(dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	(dBA) -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	720 720 720 720 720 720	13 6 22 14 31 11 -888 -888 -888 -888
Fixed Crane Light vehicles Truck (>20tonne) Generator Pneumatic Jackhammer	97 90 106 98 115	72 65 81 73 90	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		No (behind substantial solid barrier) Yes No (behind substantial solid barrier) No (behind substantial solid barrier) No (behind substantial solid barrier)	(dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	(dBA) -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	720 720 720 720 720 720	13 6 22 14 31 11 -888 -888 -888
Fixed Crane Light vehicles Truck (>20tonne) Generator Pneumatic Jackhammer	97 90 106 98 115	72 65 81 73 90	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		No (behind substantial solid barrier) Yes No (behind substantial solid barrier)	(dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	(dBA) -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	720 720 720 720 720 720	13 6 22 14 31 11 -888 -888 -888 -888
Fixed Crane Light vehicles Truck (>20tonne) Generator Pneumatic Jackhammer	97 90 106 98 115	72 65 81 73 90	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		No (behind substantial solid barrier) (re) Yes No (behind substantial solid barrier)	(dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	(dBA) -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	720 720 720 720 720 720	13 6 22 14 31 11 -888 -888 -888 -888 -888
Fixed Crane Light vehicles Truck (>20tonne) Generator Pneumatic Jackhammer	97 90 106 98 115	72 65 81 73 90	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		No (behind substantial solid barrier) Yes No (behind substantial solid barrier) Yes Yes	(dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	(dBA) -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	720 720 720 720 720 720	13 6 22 14 31 11 -888 -888 -888 -888 -888 -888
Fixed Crane Light vehicles Truck (>20tonne) Generator Pneumatic Jackhammer	97 90 106 98 115	72 65 81 73 90	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		No (behind substantial solid barrier) Yes Yes	(dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	(dBA) -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	720 720 720 720 720 720	13 6 22 14 31 111 -888 -888 -888 -888 -888 -888 -8
Fixed Crane Light vehicles Truck (>20tonne) Generator Pneumatic Jackhammer	97 90 106 98 115	72 65 81 73 90	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		No (behind substantial solid barrier) Yes No (behind substantial solid barrier) Yes Yes Yes Yes Yes Yes	(dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	(dBA) -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	720 720 720 720 720 720	13 6 22 14 14 31 11 -888 -888 -888 -888 -888 -888 -88
Fixed Crane Light vehicles Truck (>20tonne) Generator Pneumatic Jackhammer	97 90 106 98 115	72 65 81 73 90	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		No (behind substantial solid barrier) Yes Yes No (behind substantial solid barrier) Yes Yes Yes Yes Yes Yes Yes	(dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	(dBA) -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	720 720 720 720 720 720	13 6 22 14 31 11 11 18 -888 -888 -888 -888 -888 -8
Fixed Crane Light vehicles Truck (>20tonne) Generator Pneumatic Jackhammer	97 90 106 98 115	72 65 81 73 90	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		No (behind substantial solid barrier) Yes No (behind substantial solid barrier) Yes Yes Yes Yes Yes Yes Yes	(dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	(dBA) -10 -10 -10 -10 -10 -10 -10 -10 -10 0 0 -10 -1	720 720 720 720 720 720	13 6 22 14 31 11 11 888 -888 -888 -888 -888 -888 -
Fixed Crane Light vehicles Truck (>20tonne) Generator Pneumatic Jackhammer	97 90 106 98 115	72 65 81 73 90	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		No (behind substantial solid barrier) Yes Yes No (behind substantial solid barrier) Yes Yes Yes Yes Yes Yes Yes	(dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	(dBA) -10 -10 -10 -10 -10 -10 -10 -10 -10 0 0 0	720 720 720 720 720 720	13 6 22 14 31 11 11 -888 -888 -888 -888 -888 -888
Fixed Crane Light vehicles Truck (>20tonne) Generator Pneumatic Jackhammer	97 90 106 98 115	72 65 81 73 90	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		No (behind substantial solid barrier) Yes Yes No (behind substantial solid barrier) Yes Yes Yes Yes Yes Yes Yes Yes Yes	(dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	(dBA) -10 -10 -10 -10 -10 -10 -10 -10 0 -10 -1	720 720 720 720 720 720	13 6 22 14 31 11 11 888 -888 -888 -888 -888 -888 -

7. Barriers NCA 13 - R2731 (83 Lookout Road, New Lambton Heights)

a. Worst case

					200.00	user input is selected - enter the measured			time and death D	47.4- D40)
Project name Scenario name		RP2J				user input is selected - enter the measured e same representative distance to the recei			ume period (cells L	17 10 1019).
Receiver address		Barriers 136 Lookout Rd, New Lambton	Haiable (DOZCA)			Y is selected - enter the representative dis		14 (008 024).		
Select area ground type	>	Developed settlements (urban an				N is selected - go to step #7				
Select type of background noise le	evel input	User Input	iu suburban arcas)			o (e.g. shallow excavation), select plant from		list in cells A281	to A47 (e.g. dump tr	ucks + excavator
colout type of background notice is	, or input	OGCI III DUL		,		Quantity for each selected plant in cells D28 N is selected from step #6 - enter the dista		r each individua	I plant in cells E28 t	n F47
		Representative Noise Environment	User Input	1	(c) is there	e line of sight to receiver? select from drop	down list in cells	F28 to F47. Soli	d barrier can be in the	ne form of road c
Noise area category				1	curtain, tir	mber lapped and capped fence, shipping co	ntainer, site office	e, etc. Please no	ote that vegetation a	nd trees are not
	Day		56			ii above background and/or noise mangem blement standard mitigation measures whei			le any shielding imp	lemented as nart
RBL or LA90 Background level (dB(A))	Evening		49			e 'Is there line of sight to receiver' drop-do			o uni, omenang mp	omemor de part
	Night		33			plement feasible and reasonable additiona	I mitigation meas	ures (see rows 6	63 to 65).	
	Day		66			 Document a summary report detailing: (a) project description (including location, duration, hours of work, construction methodology, plant, potential 				
LAeg(15minute) Noise mangement level	Day (OOHW)		61	1		t description (including location, duration, h round noise levels.	ours of work, con	struction method	lology, plant, poten	tially impacted re
(dB(A))	Evening		54	1	(c) noise r	management levels .				
(MD(A))	Night		38	1		ted noise levels for each time period.				
	Nigit		38	ı		disturbance affected distance for night work	S.			
Is all plant at the same representative of receiver? Y/N	listance to the	Ÿ			(g) team n	on measures. nember responsible for implementing mitig. noise management levels for other noise-				Noise Estimates
Representative distance (r	n)	100	All at Representative Di	stance		tact a Roads and Maritime noise speciliast			a ili ilie Collsiluciioi	I IVOISE ESIIIIATOI
	Vet							,		
Type/ model plant (See Sources Sheet)	SWL LAeq (dB(A))	SPL @7m (dB(A))	Quantity		dual distance to eceiver (m)	Is there line of sight to receiver? Y/N	Quantity correction (dBA)	Shielding correction (dBA)	Distance used in calculation (m)	Contribution SPL (dB(A))
Fixed Crane	97	72	1			No (behind substantial solid barrier)	0	-10	100	37
Light vehicles	90	65	1			No (behind substantial solid barrier)	0	-10	100	30
Truck (>20tonne)	106	81	1			No (behind substantial solid barrier)	0	-10	100	46
Generator	98	73	1			No (behind substantial solid barrier)	0	-10	100	38
Pneumatic Jackhammer	115	90	1			No (behind substantial solid barrier)	0	-10	100	55
Small Hand Tools	90	65	1			No (behind substantial solid barrier)	0	-10	100	30
						Yes	0	0		-888 -888
						Yes	0	-10		-888
						No (behind substantial solid barrier) Yes	0	-10		-888
						Yes	0	0	9	-888
		S					0	0		-888
		8				Yes Yes	0	0	12	-888
							U	U	2	-888
							0	0		ı -000 l
						Yes	0	0		000
						Yes Yes	0	0		-888
						Yes Yes Yes	0	0		-888
						Yes Yes Yes Yes	0 0	0 0		-888 -888
						Yes Yes Yes Yes Yes Yes Yes	0 0 0 0	0 0 0 0		-888 -888 -888
						Yes Yes Yes Yes Yes Yes Yes Yes	0 0 0 0	0 0 0 0		-888 -888 -888 -888
						Yes Yes Yes Yes Yes Yes Yes	0 0 0 0	0 0 0 0		-888 -888 -888
						Yes Yes Yes Yes Yes Yes Yes Yes	0 0 0 0	0 0 0 0		-888 -888 -888 -888
Total SPL L Aeq(15minute) (c	(B(A))	65				Yes Yes Yes Yes Yes Yes Yes Yes	0 0 0 0	0 0 0 0		-888 -888 -888 -888

Total SPL L Aeq(15minute) (dB(A))

Project name		RP2J	
Scenario name		Barriers	
Receiver address		136 Lookout Rd, New Lambton He	eights (R2754)
Select area ground type		Developed settlements (urban and s	suburban areas)
Select type of background noise le	vel input	User Input	
		Representative Noise Environment	User Input
Noise area category			2007
	Day		56
RBL or LA90 Background level (dB(A))	Evening		49
	Night		33
	Day		66
LAeq(15minute) Noise mangement level	Day (OOHW)		61
(dB(A))	Evening		54
	Night		38

Is all plant at the same representative distance to the receiver? Y/N

Representative distance (m)

(b) where user input is selected - enter the measured background noise level for each time period (cells D17 to D19).

6 is all plant at the same representative distance to the receiver? Select Y or N (cell C24).

(a) where Y is selected - opto step #7.

7. For the scenario (e.g. shallow excavation), select plant from the drop-down list in cells A28 to A47 (e.g. dump trucks + excavator) (a) enter quantity for each selected plant in cells D28 to D47.

(b) where N is selected from step #6 - enter the distance to receiver for each individual plant in cells E28 to E47.

(c) is there line of sight to receiver's elect from drop down list in cells E28 to F47. Solid barrier can be in the form of road cu curtain, timber lapped and capped fence, shipping container, site office, etc. Please note that vegetation and trees are not c 8. Identify the level above background and/or noise management level (see rows 57 to 62).

9. Identify and implement standard mitigation measures where feasible and reasonable. Include any shielding implemented as part the selection in the 1s there line of sight to receiver' drop-down illing measures (see rows 63 to 65).

11. Document a summary report detailing.

(a) project description (including location, duration, hours of work, construction methodology, plant, potentially impacted rec (b) background noise reflected distance for night works.

(f) nitigation measures.

(g) team member responsible for implementing mitigation measures and managing noise and vibration.

All at Representative Distance (Note that suitable noise management levels for other noise-sensitive businesses not identified in the Construction Noise Estimator basis. Please contact a Roads and Maritime noise speciliast for more information)

Type/ model plant (See Sources Sheet)	SWL LAeq (dB(A))	SPL @7m (dB(A))	Quantity	Individual distance to receiver (m)	Is there line of sight to receiver? Y/N	Quantity correction (dBA)	Shielding correction (dBA)	Distance used in calculation (m)	Contributio SPL (dB(A)
Fixed Crane	97	72	1		No (behind substantial solid barrier)	0	-10	45	44
Light vehicles	90	65	1		No (behind substantial solid barrier)	0	-10	45	37
Truck (>20tonne)	106	81	1		No (behind substantial solid barrier)	0	-10	45	53
Generator	98	73	1		No (behind substantial solid barrier)	0	-10	45	45
Pneumatic Jackhammer	115	90	1		No (behind substantial solid barrier)	0	-10	45	62
Small Hand Tools	90	65	1		No (behind substantial solid barrier)	0	-10	45	37
					Yes	0	0		-888
					Yes	0	0		-888
					No (behind substantial solid barrier)	0	-10		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888

Project name		RP2J			user input is selected - enter the measured			time period (cells D	17 to D19).
Scenario name		Barriers			e same representative distance to the recei				************
Receiver address		136 Lookout Rd, New Lambton	Heights (R2754)		Y is selected - enter the representative dis N is selected - go to step #7	tance in cell C25.			
Select area ground type		Developed settlements (urban and	d suburban areas)		o (e.g. shallow excavation), select plant fro	m the dron-down	list in cells A28 t	to A47 (e.a. dump tr	ucks + excava
Select type of background noise le	evel input	User Input	25	(a) enter of	quantity for each selected plant in cells D28	to D47.			
					N is selected from step #6 - enter the dista				
		Representative Noise Environment	User Input	(c) is ther	e line of sight to receiver? select from drop mber lapped and capped fence, shipping co	ntainer site offic	e etc Please no	d parrier can be in that	ne form of ro
Noise area category				8. Identify the level	el above background and/or noise mangem	ent level (see rov	rs 57 to 62).		
	Day		56		plement standard mitigation measures when		asonable. Includ	le any shielding imp	lemented as
RBL or LA90 Background level (dB(A))	Evening		49		ne 'Is there line of sight to receiver' drop-do- notement feasible and reasonable additiona		ures (see rows F	33 to 65)	
	Night		33		ummary report detailing:	ii iiiiugaaoii iiicas	dies (see ions e	33 10 03).	
	Day		66		t description (including location, duration, h	ours of work, con	struction method	dology, plant, poten	tially impacte
Aeq(15minute) Noise mangement level	Day (OOHW)		61		round noise levels. management levels .				
(dB(A))	Evening		54		management levels . ted noise levels for each time period.				
	Night		38	(e) sleep	disturbance affected distance for night work	KS.			
Is all plant at the same representative of	listance to the	v			ion measures. member responsible for implementing mitig	ation measures a	nd managing no	ise and vibration.	
receiver? Y/N		1.50			e noise management levels for other noise-			d in the Construction	n Noise Estim
receiver? Y/N Representative distance (n	n)	120	All at Representative		e noise management levels for other noise- tact a Roads and Maritime noise speciliast			d in the Construction	n Noise Estim
	SWL LAeq (dB(A))		All at Representative					Distance used in calculation	Contributi
Representative distance (n	SWL LAeq (dB(A))	SPL @7m (dB(A)) 72	92 028	Distance basis. Please con	tact a Roads and Maritime noise speciliast Is there line of sight to receiver?	for more informat Quantity correction	Shielding correction	Distance used in calculation	Contributi SPL (dB(/
Representative distance (n Type/ model plant (See Sources Sheet)	SWL LAeq (dB(A)) 97 90	SPL @7m (dB(A)) 72 65	Quantity	Distance basis. Please con	tact a Roads and Maritime noise speciliast Is there line of sight to receiver? Y/N	Quantity correction (dBA) 0	Shielding correction (dBA) -10 -10	Distance used in calculation (m) 120 120	Contribut SPL (dB(/ 34 27
Representative distance (n Type/ model plant (See Sources Sheet) Fixed Crane Light vehicles Truck (>20tonne)	SWL LAeq (dB(A)) 97 90 106	SPL @7m (dB(A)) 72 65 81	Quantity 1 1 1	Distance basis. Please con	lact a Roads and Maritime noise speciliast Is there line of sight to receiver? Y/N No (behind substantial solid barrier) No (behind substantial solid barrier) No (behind substantial solid barrier)	Quantity correction (dBA) 0 0	Shielding correction (dBA) -10 -10 -10	Distance used in calculation (m) 120 120 120	Contribut SPL (dB(/ 34 27 43
Representative distance (n Fixed Crane Light Vehicles Truck (>20tonne) Generator	97 90 106 98	SPL@7m (dB(A)) 72 65 81 73	Quantity 1 1 1 1 1	Distance basis. Please con	tact a Roads and Maritime noise speciliast Is there line of sight to receiver? YIN No (behind substantial solid barrier)	Quantity correction (dBA) 0 0 0 0	Shielding correction (dBA) -10 -10 -10 -10 -10	Distance used in calculation (m) 120 120 120 120 120 120 120 120	Contributi SPL (dB(A 34 27 43 35
Representative distance (n Type/ model plant (See Sources Sheet) Fixed Crane Light vehicles Truck (>20tonne) Generator Pneumatic Jackhammer	97 90 106 98 115	SPL @7m (dB(A)) 72 65 81 73 90	Quantity 1 1 1 1 1 1 1	Distance basis. Please con	lact a Roads and Maritime noise speciliast Is there line of sight to receiver? Y/N No (behind substantial solid barrier)	Quantity correction (dBA) 0 0 0 0 0 0	Shielding correction (dBA) -10 -10 -10 -10 -10 -10 -10	Distance used in calculation (m) 120 120 120 120 120 120 120 120 120 120	Contributi SPL (dB(A 34 27 43 35 52
Representative distance (n Fixed Crane Light vehicles Truck (>20tonne) Generator	97 90 106 98	SPL@7m (dB(A)) 72 65 81 73	Quantity 1 1 1 1 1	Distance basis. Please con	last are a Roads and Maritime noise speciliast Is there line of sight to receiver? YIN No (behind substantial solid barrier)	Quantity correction (dBA) 0 0 0 0 0 0 0	Shielding correction (dBA) -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	Distance used in calculation (m) 120 120 120 120 120 120 120 120	Contributi SPL (dB(A 34 27 43 35 52 27
Representative distance (n Type/ model plant (See Sources Sheet) Fixed Crane Light vehicles Truck (>20tonne) Generator Pneumatic Jackhammer	97 90 106 98 115	SPL @7m (dB(A)) 72 65 81 73 90	Quantity 1 1 1 1 1 1 1	Distance basis. Please con	lact a Roads and Maritime noise speciliast Is there line of sight to receiver? Y/N No (behind substantial solid barrier) Yes	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA) -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	Distance used in calculation (m) 120 120 120 120 120 120 120 120 120 120	Contributi SPL (dB/A 34 27 43 35 52 27 -888
Representative distance (n Type/ model plant (See Sources Sheet) Fixed Crane Light vehicles Truck (>20tonne) Generator Pneumatic Jackhammer	97 90 106 98 115	SPL @7m (dB(A)) 72 65 81 73 90	Quantity 1 1 1 1 1 1 1	Distance basis. Please con	lact a Roads and Maritime noise speciliast Is there line of sight to receiver? YN No (behind substantial solid barrier) Yes	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA) -10 -10 -10 -10 -10 -10 -0 0 0	Distance used in calculation (m) 120 120 120 120 120 120 120 120 120 120	Contributi SPL (dB(A 34 27 43 35 52 27 -888 -888
Representative distance (n Type/ model plant (See Sources Sheet) Fixed Crane Light vehicles Truck (>20tonne) Generator Pneumatic Jackhammer	97 90 106 98 115	SPL @7m (dB(A)) 72 65 81 73 90	Quantity 1 1 1 1 1 1 1	Distance basis. Please con	tact a Roads and Maritime noise speciliast Is there line of sight to receiver? Y/N No (behind substantial solid barrier) Yes Yes No (behind substantial solid barrier)	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA) -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	Distance used in calculation (m) 120 120 120 120 120 120 120 120 120 120	Contributi SPL (dB/A 34 27 43 35 52 27 -888
Representative distance (n Type/ model plant (See Sources Sheet) Fixed Crane Light vehicles Truck (>20tonne) Generator Pneumatic Jackhammer	97 90 106 98 115	SPL @7m (dB(A)) 72 65 81 73 90	Quantity 1 1 1 1 1 1 1	Distance basis. Please con	lact a Roads and Maritime noise speciliast Is there line of sight to receiver? YN No (behind substantial solid barrier) Yes	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA) -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	Distance used in calculation (m) 120 120 120 120 120 120 120 120 120 120	Contributi SPL (dB(A 34 27 43 35 52 27 -888 -888 -888
Representative distance (n Type/ model plant (See Sources Sheet) Fixed Crane Light vehicles Truck (>20tonne) Generator Pneumici Jackhammer	97 90 106 98 115	SPL @7m (dB(A)) 72 65 81 73 90	Quantity 1 1 1 1 1 1 1	Distance basis. Please con	tact a Roads and Maritime noise speciliast Is there line of sight to receiver? YIN No (behind substantial solid barrier) Yes No (behind substantial solid barrier) Yes No (behind substantial solid barrier) Yes Yes	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA) -10 -10 -10 -10 -10 0 0 -110 0 0	Distance used in calculation (m) 120 120 120 120 120 120 120 120 120 120	Contributi SPL (dB(A 34 27 43 35 52 27 -888 -888 -888
Representative distance (n Type/ model plant (See Sources Sheet) Fixed Crane Light vehicles Truck (>20tonne) Generator Pneumatic Jackhammer	97 90 106 98 115	SPL @7m (dB(A)) 72 65 81 73 90	Quantity 1 1 1 1 1 1 1	Distance basis. Please con	tact a Roads and Maritime noise speciliast Is there line of sight to receiver? YN No (behind substantial solid barrier) Yes Yes No (behind substantial solid barrier) Yes Yes Yes Yes Yes	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA) -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	Distance used in calculation (m) 120 120 120 120 120 120 120 120 120 120	Contributi SPL (dB(A 27 43 35 52 27 -888 -888 -888 -888
Representative distance (n Type/ model plant (See Sources Sheet) Fixed Crane Light vehicles Truck (>20tonne) Generator Pneumici Jackhammer	97 90 106 98 115	SPL @7m (dB(A)) 72 65 81 73 90	Quantity 1 1 1 1 1 1 1	Distance basis. Please con	tact a Roads and Maritime noise speciliast Is there line of sight to receiver? YIN No (behind substantial solid barrier) Yes No (behind substantial solid barrier) Yes No (behind substantial solid barrier) Yes Yes	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA) -10 -10 -10 -10 -10 0 0 -10 0 0 0 0	Distance used in calculation (m) 120 120 120 120 120 120 120 120 120 120	Contributi SPL (dB/A 27 43 35 52 27 -888 -888 -888 -888 -888
Representative distance (n Type/ model plant (See Sources Sheet) Fixed Crane Light vehicles Truck (>20tonne) Generator Pneumici Jackhammer	97 90 106 98 115	SPL @7m (dB(A)) 72 65 81 73 90	Quantity 1 1 1 1 1 1 1	Distance basis. Please con	lact a Roads and Maritime noise speciliast Is there line of sight to receiver? YN No (behind substantial solid barrier) Yes No (behind substantial solid barrier) Yes No (behind substantial solid barrier) Yes Yes Yes Yes Yes	Guantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA) -10 -10 -10 -10 -10 -10 -10 0 0 0 0 0 0	Distance used in calculation (m) 120 120 120 120 120 120 120 120 120 120	Contributi SPL (dB(A 34 27 43 35 52 27 -888 -888 -888 -888 -888 -888
Representative distance (n Type/ model plant (See Sources Sheet) Fixed Crane Light vehicles Truck (>20tonne) Generator Pneumici Jackhammer	97 90 106 98 115	SPL @7m (dB(A)) 72 65 81 73 90	Quantity 1 1 1 1 1 1 1	Distance basis. Please con	lact a Roads and Maritime noise speciliast Is there line of sight to receiver? YN No (behind substantial solid barrier) Yes Yes No (behind substantial solid barrier) Yes Yes Yes Yes Yes Yes Yes Yes	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction	Distance used in calculation (m) 120 120 120 120 120 120 120 120 120 120	Contributi SPL (dB(/ 34 27 43 35 52 27 -888 -888 -888 -888 -888 -888 -888
Representative distance (n ype/ model plant (See Sources Sheet) Fixed Crane Light vehicles Truck (>20tonne) Generator Pneumic Jackhammer	97 90 106 98 115	SPL @7m (dB(A)) 72 65 81 73 90	Quantity 1 1 1 1 1 1 1	Distance basis. Please con	late ta Roads and Maritime noise speciliast Is there line of sight to receiver? YN No (behind substantial solid barrier) Yes Yes No (behind substantial solid barrier) Yes	Guantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA)	Distance used in calculation (m) 120 120 120 120 120 120 120 120 120 120	Contributi SPL (dB(# 27 43 35 52 27 -888 -888 -888 -888 -888 -888 -888
Representative distance (n ype/ model plant (See Sources Sheet) Fixed Crane Light vehicles Truck (>20tonne) Generator Pneumic Jackhammer	97 90 106 98 115	SPL @7m (dB(A)) 72 65 81 73 90	Quantity 1 1 1 1 1 1 1	Distance basis. Please con	lact a Roads and Maritime noise speciliast Is there line of sight to receiver? YN No (behind substantial solid barrier) Yes Yes No (behind substantial solid barrier) Yes Yes Yes Yes Yes Yes Yes Yes	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA) -10 -10 -10 -10 -10 -10 -10 0 -10 0 0 0 0 0 0 0 0 0	Distance used in calculation (m) 120 120 120 120 120 120 120 120 120 120	Contributi SPL (dB(A 34 27 43 35 52 27 -888 -888 -888 -888 -888 -888 -888
Representative distance (n Type/ model plant (See Sources Sheet) Fixed Crane Light vehicles Truck (>20tonne) Generator Pneumatic Jackhammer	97 90 106 98 115	SPL @7m (dB(A)) 72 65 81 73 90	Quantity 1 1 1 1 1 1 1	Distance basis. Please con	lact a Roads and Maritime noise speciliast Is there line of sight to receiver? YN No (behind substantial solid barrier) Yes Yes No (behind substantial solid barrier) Yes	Guantity Quantity Quantity Correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA)	Distance used in calculation (m) 120 120 120 120 120 120 120 120 120 120	Contributi SPL (dB(A 34 27 43 35 52 27 -888 -888 -888 -888 -888 -888 -888

Project name		RP2J	
Scenario name		Barriers	
Receiver address		136 Lookout Rd, New Lambton He	ights (R2754)
Select area ground type	2000 85	Developed settlements (urban and s	uburban areas)
Select type of background noise le	vel input	User Input	2010.2.2200.2.000.000
		Representative Noise Environment	User Input
Noise area category			
	Day		56
RBL or LA90 Background level (dB(A))	Evening		49
	Night		33
	Day		66
Aeq(15minute) Noise mangement level	Day (OOHW)		61
(dB(A))	Evening		54
	Night		38

(b) where user input is selected - enter the measured background noise level for each time period (cells D17 to D19).

6. Is all plant at the same representative distance to the receiver? Select Y or N (cell C24).

(a) where Y is selected - on to step #7.

7. For the scenario (e.g. shallow excavation), select plant from the drop-down list in cells A28 to A47 (e.g. dump trucks + excavator).

(a) enter quantify for each selected plant in cells D28 to D47.

(b) where N is selected from step #6 - enter the distance to receiver for each individual plant in cells E28 to E47.

(c) is there line of sight to receiver? select from drop down list in cells F28 to F47. Solid barrier can be in the form of road cut curtain, timber lapped and capped fence, shipping container, site office, etc. Please note that vegetation and trees are not or 8. Identify the level above background and/or noise mangement level (see rows 57 to 62).

9. Identify and implement standard mitigation measures where feasible and reasonable. Include any shielding implemented as part or the selection in the 1s there line of sight to receiver? drop-down list.

10. Identify and implement feasible and reasonable additional mitigation measures (see rows 63 to 65).

11. Document a summary report detailing:

(a) project description (including location, duration, hours of work, construction methodology, plant, potentially impacted reci (b) background noise levels

(d) predicted noise levels for each time period.

(e) sleep disturbance affected distance for night works.

(f) nitigation measures.

(g) team member responsible for implementing mitigation measures not identified in the Construction Noise Estimator s

(Note that suitable noise management levels for other noise-sensitive businesses not identified in the Construction Noise Estimator's basis. Please contact a Roads and Maritime noise speriliant for more information.

Type/ model plant (See Sources Sheet)	SWL LAeq (dB(A))	SPL @7m (dB(A))	Quantity	Individual distance to receiver (m)	Is there line of sight to receiver? Y/N	Quantity correction (dBA)	Shielding correction (dBA)	Distance used in calculation (m)	Contribution SPL (dB(A)
Fixed Crane	97	72	1		No (behind substantial solid barrier)	0	-10	270	25
Light vehicles	90	65	1		No (behind substantial solid barrier)	0	-10	270	18
Truck (>20tonne)	106	81	1		No (behind substantial solid barrier)	0	-10	270	34
Generator	98	73	1		No (behind substantial solid barrier)	0	-10	270	26
Pneumatic Jackhammer	115	90	1	1	No (behind substantial solid barrier)	0	-10	270	43
Small Hand Tools	90	65	1		No (behind substantial solid barrier)	0	-10	270	18
					Yes	0	0		-888
					Yes	0	0		-888
					No (behind substantial solid barrier)	0	-10		-888
					Yes	0	0		-888
	4				Yes	0	0		-888
	1				Yes	0	0		-888
	1				Yes	0	0		-888
					Yes	0	0		-888
	1				Yes	0	0		-888
	-				Yes	0	0		-888
				9	Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888

					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
T-+-1 CDI 1 /	ID(A))	43	i						
Total SPL L Aeq(15minute) (1B(A))	4.3	J						
e. NML									
Project name		RP2J			user input is selected - enter the measure			time period (cells D	17 to D19).
Scenario name		Barriers		6. Is all plant at the	e same representative distance to the rece Y is selected - enter the representative dis	iver? Select Y or	N (cell C24):		
Receiver address		136 Lookout Rd, New Lambtor	n Heights (R2754)		e y is selected - enter the representative dis e N is selected - go to step #7	tance in cell G25.			
Select area ground type		Developed settlements (urban a	nd suburban areas)	7. For the scenar	io (e.g. shallow excavation), select plant fro	m the drop-down	list in cells A28	to A47 (e.g. dump tr	ucks + excava
Select type of background noise I	evel input	User Input		(a) enter	quantity for each selected plant in cells D28	to D47			
				(b) where	N is selected from step #6 - enter the dista	ince to receiver for	r each individua	al plant in cells E28 t	o E47.
		Representative Noise Environment	User Input		e line of sight to receiver? select from drop mber lapped and capped fence, shipping or				
Noise area category		1000	7		mber lapped and capped tence, snipping co el above background and/or noise mangem			ote that vegetation a	nd trees are r
	Day		56	9. Identify and im	plement standard mitigation measures whe	re feasible and re	asonable. Includ	de any shielding imp	lemented as p
RBL or LA90 Background level (dB(A))	Evening		49		he 'Is there line of sight to receiver' drop-do			100 100 10	
	Night		33		mplement feasible and reasonable additiona	al mitigation meas	ures (see rows (63 to 65).	
	Day		66		summary report detailing: t description (including location, duration, h	ours of work con	etruction method	dology plant poten	tially impacted
LAeg(15minute) Noise mangement level	Day (OOHW)		61		round noise levels.	ours or work, con	su ucuon meuro	dology, plant, poten	nany impacted
(dB(A))	Evening		54	(c) noise	management levels .				
	Night		38		ted noise levels for each time period. disturbance affected distance for night work	len.			
					disturbance anected distance for night won	NS.			
Is all plant at the same representative receiver? Y/N	distance to the	Υ		(g) team	member responsible for implementing mitig e noise management levels for other noise-				n Noise Fetim:
Representative distance (n)	410	All at Representative D	basis. Please cor	tact a Roads and Maritime noise speciliast	for more informal	ion)	d in the constitution	Troise Estim
Type/ model plant (See Sources Sheet)	SWL LAeq (dB(A))	SPL @7m (dB(A))	Quantity	Individual distance to receiver (m)	Is there line of sight to receiver? Y/N	Quantity correction (dBA)	Shielding correction (dBA)	Distance used in calculation (m)	Contribution
Fixed Crane	97	72			No (behind substantial solid barrier)	0	-10	410	20
Light vehicles	90	65	1		No (behind substantial solid barrier)	0	-10	410	13
Truck (>20tonne)	106	81	1		No (behind substantial solid barrier)	0	-10	410	29
Generator	98	73	1		No (behind substantial solid barrier)	0	-10	410	21
Pneumatic Jackhammer	115	90	1	Ť	No (behind substantial solid barrier)	0	-10	410	38
Small Hand Tools	90	65	1	R	No (behind substantial solid barrier)	0	-10	410	13
					Yes	0	0		-888

Type/ model plant (See Sources Sheet)	SWL LAeq (dB(A))		Quantity	Individual distance to receiver (m)	Is there line of sight to receiver? Y/N	Quantity correction (dBA)	Shielding correction (dBA)	in calculation (m)	SPL (dB(A))
Fixed Crane	97	72	1		No (behind substantial solid barrier)	0	-10	410	20
Light vehicles	90	65	1		No (behind substantial solid barrier)	0	-10	410	13
Truck (>20tonne)	106	81	1		No (behind substantial solid barrier)	0	-10	410	29
Generator	98	73	- 1		No (behind substantial solid barrier)	0	-10	410	21
Pneumatic Jackhammer	115	90	1		No (behind substantial solid barrier)	0	-10	410	38
Small Hand Tools	90	65	1	i i	No (behind substantial solid barrier)	0	-10	410	13
					Yes	0	0	,	-888
					Yes	0	0		-888
					No (behind substantial solid barrier)	0	-10		-888
				T .	Yes	0	0		-888
		3		1	Yes	0	0		-888
		5	-	1	Yes	0	0		-888
			7		Yes	0	0		-888
			7		Yes	0	0		-888
			7		Yes	0	0		-888
				-	Yes	0	0		-888
			7		Yes	0	0		-888
			9		Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888