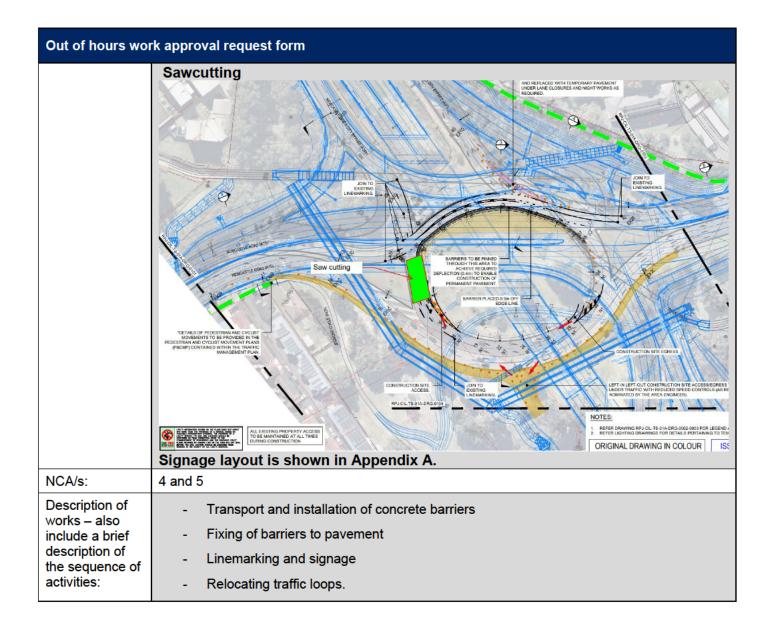
RP2J Project OOHW application form

Out of hours wo	rk approval request form		
No:	Notification date:	Approval date:	Project:
07	31/01/2023	6/02/2023	RP2J
A. Contact details	Name	Mobile number	Email
Contractor Environmental Site Representative			
Contractor Construction Manager			
Contractor Foreman			
Contractor Project Engineer			
Location / chainages:	Newcastle Link Road, J barrier install and sawci	lesmond Rounda utting.	About – see below for areas for linemarking,



Out of hours wo	rk approval request form
Machinery/ plant to be used	Activity 1 - Signage: - Vacuum truck (only used more than 20m from receivers) - HV's - LV's - Hand Tools. Activity 2 - Barrier Installation: - HV's - Excavator - LV's - Lighting Towers (Generator in noise calculator with SWL 98) - Rattle Gun (Pneumatic hammer in calculator with SWL 110). Activity 3 - Linemarking: - Water Blaster (concrete saw used in the noise calculator with a SWL 117) - HV's - LV's - Hand Tools. Activity 4 - Sawcutting - Saw cutter - LV - Lighting towers. Activity 5 - Relocating traffic loops - Concrete saw - LV - HV. Note: All activities will be completed separately.
Traffic control measures required:	Shoulder/Lane Closures, PTCD's (Potable Traffic Lights), Speed Reductions
Lighting required:	Lighting Towers
Proposed dates:	6/02/2023 – 24/02/2023 (Sunday to Thursday working week) It is proposed to work a total of 3 nights a week for 2 weeks between 6/2 and 16/2, with a 1 week redundancy period between 19/2 and 24/2. Duration respite would apply to the signage installation in the locations where a vacuum truck is used and for the linemarking. Each signage location would take up to 2 hours to hand dig/investigate using a vacuum truck over 2 nights for all locations. The third night would involve installing and fixing the signs. Linemarking removal and placing would take 1 night and placing barriers would take up to 2 nights.
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 associated with working in and adjacent to traffic lanes and cutting down trees in close proximity to the road.

Out of hours wo	rk approval request form
C. Risk assessm	ent
NML (refer Table 3-2 of OOHW protocol)	NCA4 P1 – 51 P2 – 41 NCA5 P1 – 56 P2 – 46
Is the work highly noise intensive? (above 75dB(A) LAeq (15 minute))	No
Risk factor category (refer section 4.3 of OOHW protocol):	The noise predictions for the works have been assessed against the guidance within Section 4.3 of the Out of Hours Works Protocol. The most affected receiver is 193 Newcastle Rd which does not exceed RBL+25 as shown in Table 1 below.

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, 3 and 4.

Out of hours work approval request form

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 around each location that a vacuum truck is used to investigate signage locations. 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.
- OOHW Period 2 respite is considered appropriate for linemarking when the water blaster is used. Out of hours construction noise will be limited to no more than two consecutive nights of water blasting affecting any one receiver. If water blasting exceeds 2 consecutive nights, 6 nights of respite would be required.
- OOHW Period 2 respite is considered appropriate for signage installation when using a vacuum truck. Out
 of hours construction noise will be limited to no more than two consecutive nights impacting any one
 receiver. If signage installation using a vacuum truck exceeds 2 consecutive nights, 6 nights of respite
 would be required.
- Duration respite would apply during installing barriers on the eastern side of the roundabout and would not exceed 3 nights in one week of impacting the same receiver.
- During barrier install works, the rattle gun and franna/excavator cannot operate at the same time and must be switched off.
- A vacuum truck will only be used for signage installation when more than 20m from receivers on the
 western side of the roundabout, 10m from receivers on the east of the roundabout and 20m from receivers
 to the north of the roundabout. Area shown in green below illustrates the locations a vacuum truck can be
 used to stay less than 25dB above RBL.

A

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 the 6/02/23 - Specific OOHW notice was delivered to sensitive receivers within the green line shown on Figure 2, 3 and 4 on 31/01/2023 Receivers 15-25dB(A) over NML are illustrated in Figure 2, 3 and 4 in orange. All sensitive receivers 15-25dB(A) over NML were doorknocked on 31/05/23 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 respite is considered appropriate for these works if linemarking using a water blaster or signage installation using a vacuum truck exceeds 2 consecutive nights impacting the same receiver.

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)?

- Geotech works (CNVIS 06) will be completed over 2 nights between the period of 29/1 31/1 and will not
 occur simultaneously to this works.
- No community agreements apply.

Out of hours work approval request form

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

All tasks to be completed separately.

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

Comments:

 No impacts to non-residential receivers. Non-residential receivers in this location include churches, public schools and do not operate out of hours.

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

Comments:

- No vibratory equipment will be used for this task.

	7						
I. Review/ Endors	sements						
Contractor Community	Community notified -		Date: 31/01/2023 – 01/028/2023				
Liaison Representative	Additional consultation requirements: Door knocked 22 impacted receivers, letterk	poxed approximately	/ 1000 properties.				
	Have the works been reviewed and endorse	ed?	Yes				
	Name:	Signature:	Date:				
			06/02/2023				
	Comments:						
Transport for NSW	Agreed mitigation measures:						
Manager (or	Have the works been reviewed and endorsed? Yes / No						
delegate)	Have the works been approved where neither low or high Yes / No risk?						
	Name: Signature:		Date:				
			06/02/2022				
	Comments:						
Transport for	Have the works been reviewed and endorse	ed?	Yes / No				
NSW Project Manager	Have the works been approved where neith risk?	er low or high	Yes / No				
	Name:	Signature:	Date:				
Community Liaison Representative Additional consultation requirements: Door knocked 22 impacted receivers, letterboxed approximately 1000 properties. Have the works been reviewed and endorsed? Name: Signature: Date: Comments: Agreed mitigation measures: Have the works been reviewed and endorsed? Yes / No Have the works been approved where neither low or high risk? Name: Signature: Date: Date: O6/02/2023 Comments: Transport for NSW Environmental Manager (or delegate) Have the works been reviewed and endorsed? Name: Signature: Date: O6/02/2022 Comments: Transport for NSW Project Manager Have the works been reviewed and endorsed? Have the works been reviewed and endorsed? Have the works been approved where neither low or high risk? Yes / No Have the works been approved where neither low or high risk?	06/02/2023						
	Comments:						

Out of hours wo	rk approval request form		
ER approval	Are the works approved?		Yes / No
(low risk activities)	Name:	Signature:	Date:
,			6/2/2023
	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)

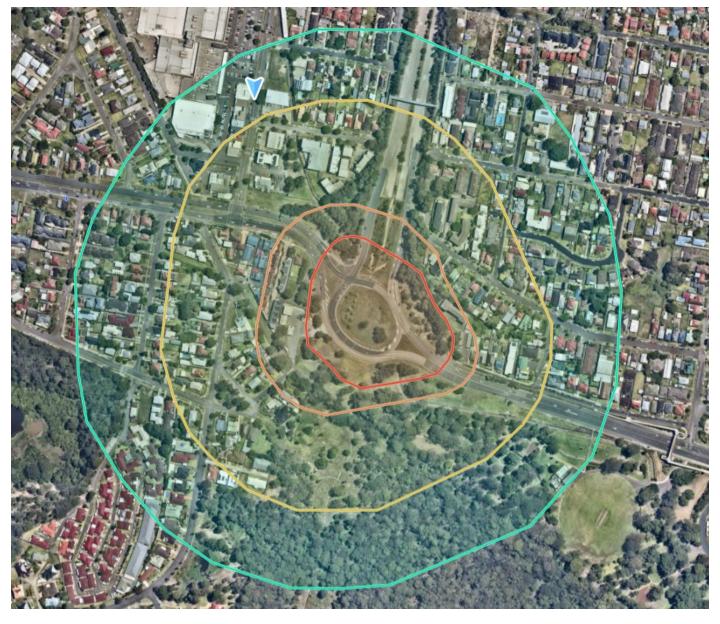


Figure 2 – Predicted noise impacts – linemarking – water blaster (P2 10pm to 7am)

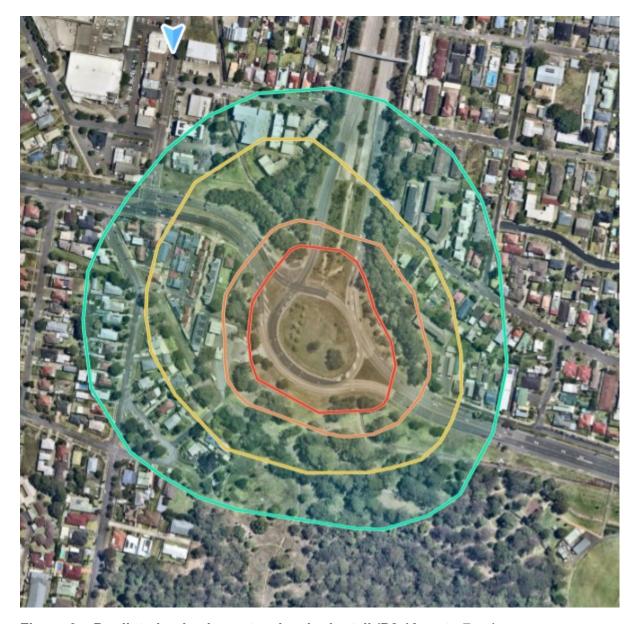


Figure 3 – Predicted noise impacts – barrier install (P2 10pm to 7am)



Figure 4 – signage

Green = >NML

Yellow = NML+5 & above

Orange = NML+15 & above

Red = NML+25 & above

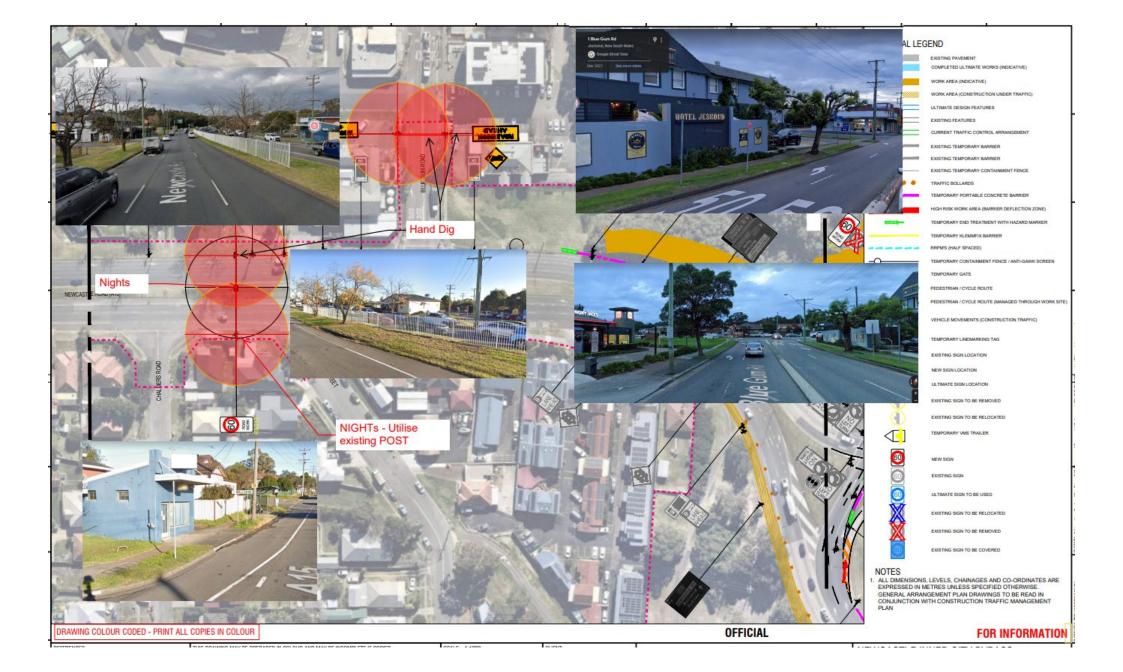
Figure 1 illustrates the locations of the nearest receivers outlined in Table 1.

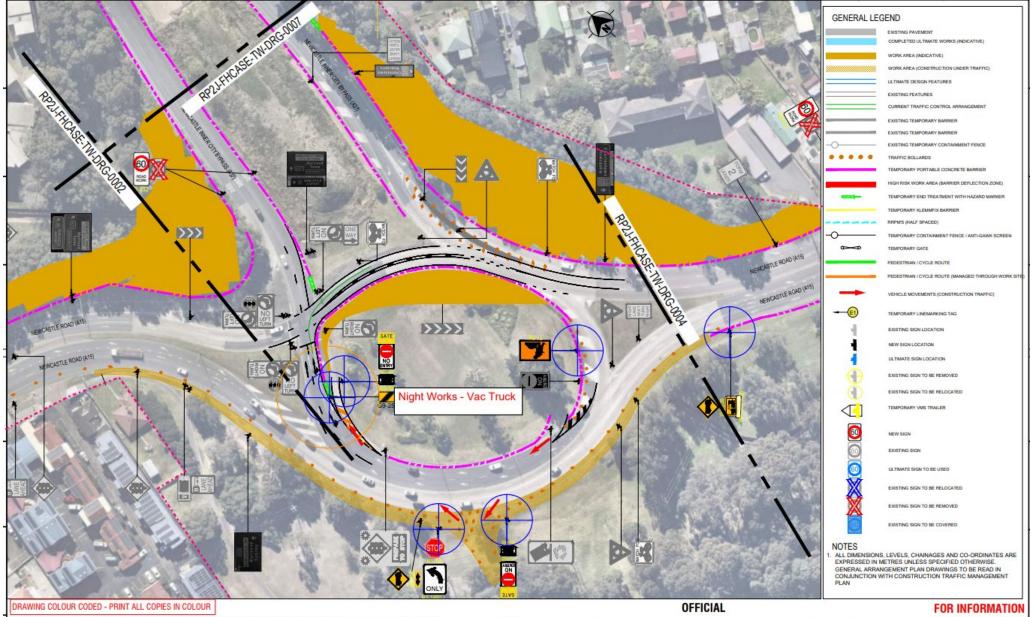
Table 1 – Noise estimator output

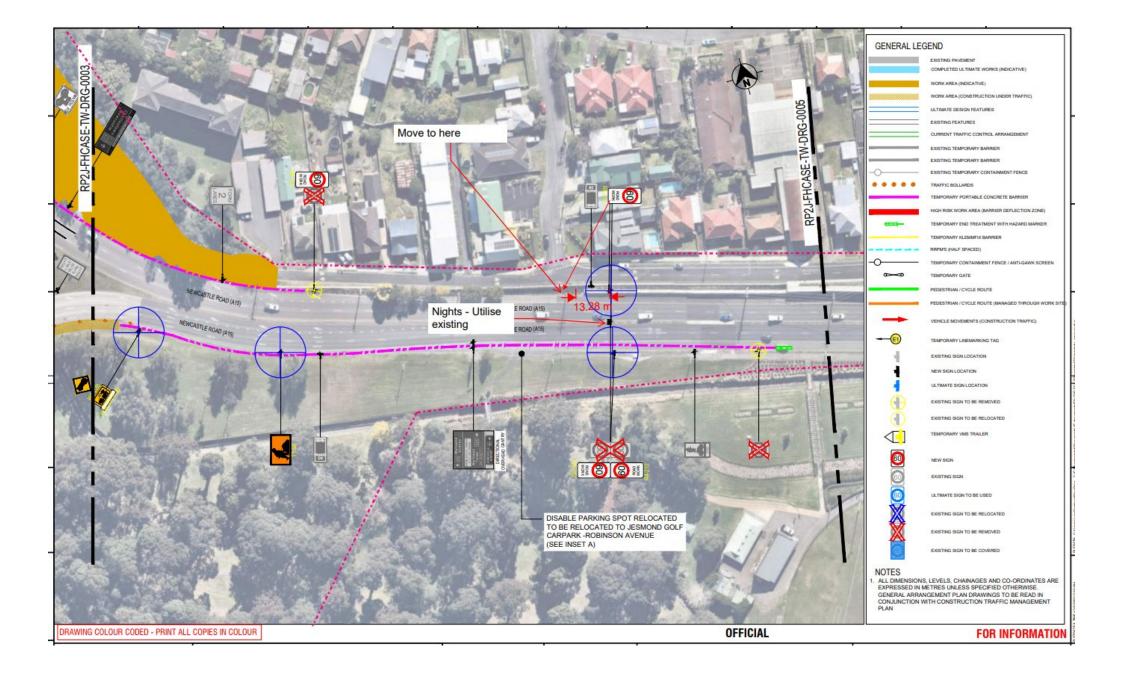
Activity	Receiver	NCA	NML	dBA @ most affected	dBA above NML
Signage – Vacuum truck	R1092 (2 Crest Road, Jesmond)	4	41	66	25
Signage – hand tools	R1092 (2 Crest Road, Jesmond)	4		52	11
Signage – Vacuum truck	R1466 (234 Newcastle Road, Jesmond)	5	46	71	25
Signage – hand tools	R1466 (234 Newcastle Road, Jesmond)	5		58	12
Linemarking	R1231 (195 Newcastle Road Jesmond)	4	41	62	21
Barrier install	R1231 (195 Newcastle Road Jesmond)	4		55	14
Linemarking	R1466 (234 Newcastle Road, Jesmond)	5	46	68	22
Barrier install	R1466 (234 Newcastle Road, Jesmond)	5		60	14
Concrete saw	R1231 (195 Newcastle Road Jesmond)	4	41	63	P1 – 12 P2 - 22

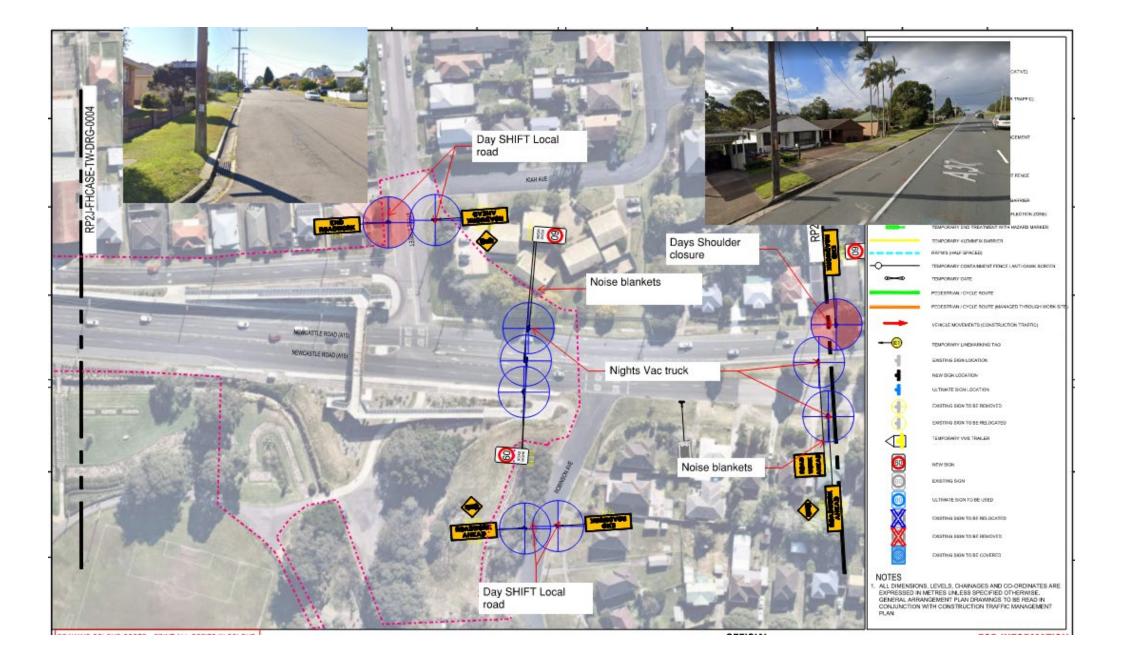
Appendix A - Signage layout plans













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FOR INFORMATION

Appendix B - Consultation





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		

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 near Jesmond roundabout from Monday 6 February 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.

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	
Newcastle Inner City Bypass, Newcastle Road, Jesmond and within the Jesmond roundabout	

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.



This is an artist impression only and is not to scale

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



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Appendix C Noise assessments

1. Signage - NCA4 - R1092 (2 Crest Road, Jesmond)

a. Worst case - vac truck

Project name		RP2J			
Scenario name		Install signage			
Receiver address		2 Crest Road Jesmond (R1092)			
Select area ground type	W	Developed settlements (urban a	nd suburban areas)		
Select type of background noise level input		User Input	TO COMPANY AND RECOGNISTS OF THE PARTY.		
	1	Representative Noise Environment	User Input		
Noise area category					
	Day		47		
RBL or LA90 Background level (dB(A))	Evening		46		
	Night		36		
	Day		57		
Aeg(15minute) Noise mangement level (dB(A))	Day (OOHW)		52		
Aeditammate) noise mangement level (db(A))	Evening		51		
	Night		41		
s all plant at the same representative distance to	the receiver? Y/N	Y			
Representative distance (m)		18	All at Representative Distan		
		1			

(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 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 ci.
8. Identify the level above background and/or noise mangement level (see rows 57 to 62).
9. Identify and implement standard mitigation measures where leasible 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 endose levels for ach time period.
(d) predicted endose levels for ach time period.
(d) predicted endose levels for ach time period.
(n) fillingation measures.
(g) team member responsible for implementing mitigation measures and managing noise and vibration.

Representative distance (n	1)	18	All at Representative Distar	ce (Note that suitab	at suitable noise management levels for other noise-sensitive businesses not identified in the Construction Noise Estimat					
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	18	66	
Light vehicles	95	70	1		No (behind substantial solid barrier)	0	-10	18	52	
Truck (>20tonne)	106	81			No (behind substantial solid barrier)	0	-10		-888	
Small Hand Tools	90	65	1		No (behind substantial solid barrier)	0	-10	18	47	
					Yes	0	0	2	-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	
					No (behind substantial solid barrier)	0	-10	-	-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	
					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	

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

b. Worst case – hand tools

Floject name		RP23			
Scenario name		Install signage			
Receiver address		2 Crest Road Jesmond (R1092)			
Select area ground type	400	Developed settlements (urban a	nd suburban areas)		
Select type of background noise leve	l input	User Input			
		Representative Noise Environment	User Input		
Noise area category		•			
	Day		47		
RBL or LA90 Background level (dB(A))	Evening		46		
	Night	8	36		
	Day		57		
Aeg(15minute) Noise mangement level (dB(A))	Day (OOHW)		52		
LAequaminate) noise mangement level (db(A))	Evening		51		
	Night		41		
s all plant at the same representative distance to	the receiver? V/N	Y	1		
Representative distance (m)	and receiver. The	20	All at Representative Distant		

(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 - pot ostep 87

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 86 - enter the distance to receiver for each individual plant in cells E28 to E47.
(c) is there line of slight to receiver? select from drop down list in cells F28 to F47. Solid barrier can be in the form of r oad cutting curtain, timber lapped and capped fence, shipping container, site office, etc. Please note that vegetation and trees are not consi
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 slight 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 receive (b) background noise levels.
(c) indice management levels.
(c) indice management levels for other noise-sensitive businesses and identified in the Construction Noise Estima for sho

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

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	20	51
Truck (>20tonne)	106	81			No (behind substantial solid barrier)	0	-10		-888
Small Hand Tools	90	65	1		No (behind substantial solid barrier)	0	-10	20	46
			E.		Yes	0	0	- 3	-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0	- 7	-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
					No (behind substantial solid barrier)	0	-10		-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

c. +25 – vac truck

Project name		RP2J		(b) where	user input is selected - enter the measured	background noi:	se level for each	time period (cells D	17 to D19).
Scenario name		Install signage		6. Is all plant at th	e same representative distance to the recei	ver? Select Y or	N (cell C24):		
Receiver address		2 Crest Road Jesmond		(a) where	Y is selected - enter the representative dist	tance in cell C25.			
Select area ground type		Developed settlements (urban an	d suburban areas)		N is selected - go to step #7				
Select type of background noise lev	el input	User Input			io (e.g. shallow excavation), select plant from		list in cells A28	to A47 (e.g. dump tr	ucks + excavato
					quantity for each selected plant in cells D28 N is selected from step #6 - enter the dista		r each individua	d plant in calls E29 to	5 E 47
		Representative Noise Environment	User Input		e line of sight to receiver? select from drop				
Noise area category			*		mber lapped and capped fence, shipping co			ote that vegetation a	nd trees are not
	Day		47		el above background and/or noise mangeme				
RBL or LA90 Background level (dB(A))	Evening		46		plement standard mitigation measures wher he 'Is there line of sight to receiver' drop-dov		asonable. Includ	le any shielding impl	emented as par
	Night		36		ne is there line of sight to receiver drop-dov		ures (see rows f	63 to 65)	
	Day		57	11. Document a summary report detailing:					
	Day (OOHW)	,	52		t description (including location, duration, he	ours of work, con	struction method	dology, plant, potent	ially impacted re
LAeq(15minute) Noise mangement level (dB(A))	Evening		51		round noise levels. management levels.				
	Night		41		ted noise levels for each time period.				
	mynt		71		disturbance affected distance for night work	S.			
		· ·	1		tion measures.				
Is all plant at the same representative distance	to the receiver? Y/N	Υ		(g) team	member responsible for implementing mitiga	ation measures a	nd managing no	ise and vibration.	
Is all plant at the same representative distance Representative distance (m.			All at Representative Distan	200000000000000000000000000000000000000	member responsible for implementing mitiga e noise management levels for other noise -:				Noise Estimato
			All at Representative Distan	200000000000000000000000000000000000000		Quantity	Shielding correction		
Representative distance (m.		18	Control of the Contro	(Note that suitable	e noise management levels for other noise -	sensitive busines	ses not identifie	d in the Construction	Contribution
Representative distance (m) Type/ model plant (See Sources Sheet)	SWL LAeq (dB(A))	18 SPL @7m (dB(A))	Control of the Contro	(Note that suitable	e noise management levels for other noise	Quantity correction (dBA)	Shielding correction (dBA)	Distance used in calculation (m)	Contribution SPL (dB(A))
Representative distance (m) Type/ model plant (See Sources Sheet) Vacuum truck	SWL LAeq (dB(A))	18 SPL @7m (dB(A)) 84	Control of the Contro	(Note that suitable	is there line of sight to receiver? Y/N No (behind substantial solid barrier)	Quantity correction (dBA)	Shielding correction (dBA)	Distance used in calculation (m)	Contribution SPL (dB(A))
Representative distance (m) Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles	SWL LAeq (dB(A)) 109 95	18 SPL @7m (dB(A)) 84 70	Control of the Contro	(Note that suitable	e noise management levels for other noise - 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 -10	Distance used in calculation (m)	Contribution SPL (dB(A)) 66 52 -888 47
Representative distance (m) Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne)	SWL LAeq (dB(A)) 109 95 106	18 SPL @7m (dB(A)) 84 70 81	Control of the Contro	(Note that suitable	e noise management levels for other noise - 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 -10 -10 0	Distance used in calculation (m)	Contribution SPL (dB(A)) 66 52 -888 47 -888
Representative distance (m) Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne)	SWL LAeq (dB(A)) 109 95 106	18 SPL @7m (dB(A)) 84 70 81	Control of the Contro	(Note that suitable	e noise management levels for other noise - Is there line of sight to receiver? Y/N No (behind substantial solid barrier)	Quantity correction (dBA) 0 0 0 0 0 0 0	Shielding correction (dBA) -10 -10 -10 -10 0 0	Distance used in calculation (m)	Contribution SPL (dB(A)) 66 52 -888 47 -888 -888
Representative distance (m) Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne)	SWL LAeq (dB(A)) 109 95 106	18 SPL @7m (dB(A)) 84 70 81	Control of the Contro	(Note that suitable	e noise management levels for other noise - Is there line of sight to receiver? Y/N No (behind substantial solid barrier) Yes	Quantity correction (dBA) 0 0 0 0 0	Shielding correction (dBA) -10 -10 -10 -10 0 0	Distance used in calculation (m)	Contribution SPL (dB(A)) 66 52 -888 47 -888 -888 -888
Representative distance (m) Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne)	SWL LAeq (dB(A)) 109 95 106	18 SPL @7m (dB(A)) 84 70 81	Control of the Contro	(Note that suitable	e noise management levels for other noise - 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)	Contribution SPL (dB(A)) 66 52 -888 47 -888 -888
Representative distance (m) Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne)	SWL LAeq (dB(A)) 109 95 106	18 SPL @7m (dB(A)) 84 70 81	Control of the Contro	(Note that suitable	e noise management levels for other noise Is there line of sight to receiver? Y/N No (behind substantial sold barrier) Yes Yes Yes Yes	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0	Shielding correction (dBA) -10 -10 -10 -10 0 0	Distance used in calculation (m)	Contribution SPL (dB(A)) 66 52 -888 47 -888 -888 -888
Representative distance (m) Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne)	SWL LAeq (dB(A)) 109 95 106	18 SPL @7m (dB(A)) 84 70 81	Control of the Contro	(Note that suitable	e noise management levels for other noise - Is there line of sight to receiver? Y/N No (behind substantial solid barrier) Ves 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 0 0	Distance used in calculation (m)	Contribution SPL (dB(A)) 66 52 -888 47 -888 -888 -888 -888
Representative distance (m) Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne)	SWL LAeq (dB(A)) 109 95 106	18 SPL @7m (dB(A)) 84 70 81	Control of the Contro	(Note that suitable	e noise management levels for other noise Is there line of sight to receiver? Y/N No (behind substantial 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	Shielding correction (dBA) -10 -10 -10 -10 0 0 0 0	Distance used in calculation (m)	Contribution SPL (dB(A)) 66 52 -888 47 -888 -888 -888 -888
Representative distance (m) Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne)	SWL LAeq (dB(A)) 109 95 106	18 SPL @7m (dB(A)) 84 70 81	Control of the Contro	(Note that suitable	e noise management levels for other noise Is there line of sight to receiver? Y/N No (behind substantial sold 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 0 0 0 0 0	Distance used in calculation (m)	Contribution SPL (dB(A)) 66 52 -888 47 -888 -888 -888 -888 -888
Representative distance (m) Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne)	SWL LAeq (dB(A)) 109 95 106	18 SPL @7m (dB(A)) 84 70 81	Control of the Contro	(Note that suitable	e noise management levels for other noise Is there line of sight to receiver? Y/N No (behind substantial solid barrier) Ves	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0	ses not identifier Shielding correction (dBA) -10 -10 -10 0 0 0 0 0 0	Distance used in calculation (m)	Contribution SPL (dB(A)) 66 52 -888 47 -888 -888 -888 -888 -888 -888 -
Representative distance (m) Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne)	SWL LAeq (dB(A)) 109 95 106	18 SPL @7m (dB(A)) 84 70 81	Control of the Contro	(Note that suitable	e noise management levels for other noise - Is there line of sight to receiver? YN No (behind substantial solid barrier) Yes Yes Yes Yes Yes Yes Yes Nes Yes No (behind substantial 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 -10 -10 0 0 0 0 -10	Distance used in calculation (m)	Contribution SPL (dB(A)) 66 52 -888 47 -888 -888 -888 -888 -888 -888 -

d +25 - hand tools

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

					or examples to map solest the moise area o				
Project name		RP2J			user input is selected - enter the measured		e level for each	time period (cells D1	17 to D19).
Scenario name		Install signage	×		ne same representative distance to the recei		N (cell C24):		
Receiver address		2 Crest Road Jesmond			Y is selected - enter the representative dist	ance in cell C25.			
Select area ground type		Developed settlements (urban ar	id suburban areas)		e N is selected - go to step #7 io (e.g. shallow excavation), select plant from	m the drop down	list in cells A29	to A47 (e.g. dump tru	icks + evenuat
Select type of background noise let	vel input	User Input			quantity for each selected plant in cells D28		list iii celis A20	to A47 (e.g. dump no	icks + excavai
				(b) where	N is selected from step #6 - enter the dista	nce to receiver fo			
		Representative Noise Environment	User Input		re line of sight to receiver? select from drop				
Noise area category					imber lapped and capped fence, shipping co el above background and/or noise mangeme			ote that vegetation an	id trees are no
	Day		47		plement standard mitigation measures wher			le any shielding imple	emented as pa
RBL or LA98 Background level (dB(A))	Evening		46		he 'Is there line of sight to receiver' drop-dov				
	Night		36		nplement feasible and reasonable additiona	I mitigation meas	ures (see rows 6	63 to 65).	
	Day		57		summary report detailing:				
Aeg(15minute) Noise mangement level (dB(A))	Day (OOHW)		52		ct description (including location, duration, he pround noise levels.	ouis of Work, CON	suuction method	iology, piant, potenti	any impacted
.Aeq(isminate) noise mangement level (db(A))	Evening		51		management levels .				
	Night		41		cted noise levels for each time period.				
					disturbance affected distance for night work	S.			
					tion measures. member responsible for implementing mitiga	tion measures a	nd managing no	ice and vibration	
s all plant at the same representative distance	to the receiver? Y/N	Y		(g) lealii	member responsible for implementing mility	illon measures a	nu managing no	ise and vibration.	
Representative distance (m)	4	All at Representative Distant	(Note that suitable	e noise management levels for other noise -	sensitive busines	ses not identifie	d in the Construction	Noise Estima
				e	e noise management levels for other noise-				
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 (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))		Individual distance to		Quantity correction	correction		
				Individual distance to	Is there line of sight to receiver? Y/N	Quantity correction (dBA)	correction (dBA)		SPL (dB(A))
Vacuum truck	109 95 106	84 70 81	Quantity	Individual distance to	Is there line of sight to receiver? Y/N No (behind substantial solid barrier)	Quantity correction (dBA)	correction (dBA) -10 -10 -10	calculation (m)	SPL (dB(A)) -888
Vacuum truck Light vehicles	109 95	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 0	correction (dBA) -10 -10 -10 -10	calculation (m)	SPL (dB(A)) -888 -65 -888 -60
Vacuum truck Light vehicles Truck (>20tonne)	109 95 106	84 70 81	Quantity 1	Individual distance to	Is there line of sight to receiver? Y/N No (behind substantial solid barrier) Yes	Quantity correction (dBA) 0 0 0	correction (dBA) -10 -10 -10 -10 -0	calculation (m)	-888 -65 -888 -60 -888
Vacuum truck Light vehicles Truck (>20tonne)	109 95 106	84 70 81	Quantity 1	Individual distance to	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	correction (dBA) -10 -10 -10 -10 -10 0	calculation (m)	-888 -65 -888 -60 -888 -888
Vacuum truck Light vehicles Truck (>20tonne)	109 95 106	84 70 81	Quantity 1	Individual 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	correction (dBA) -10 -10 -10 -10 -10 0 0	calculation (m)	SPL (dB(A)) -888 -65 -888 -60 -888 -888 -888
Vacuum truck Light vehicles Truck (>20tonne)	109 95 106	84 70 81	Quantity 1	Individual 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	correction (dBA) -10 -10 -10 -10 -10 0 0 0	calculation (m)	SPL (dB(A)) -888 -65 -888 -60 -888 -888 -888 -888
Vacuum truck Light vehicles Truck (>20tonne)	109 95 106	84 70 81	Quantity 1	Individual distance to	Is there line of sight to receiver? Y/N No (behind substantial sold 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	correction (dBA) -10 -10 -10 -10 0 0 0 0	calculation (m)	SPL (dB(A)) -888 -888 -888 -888 -888 -888 -888
Vacuum truck Light vehicles Truck (>20tonne)	109 95 106	84 70 81	Quantity 1	Individual distance to	Is there line of sight to receiver? Y/N No (behind substantial 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	correction (dBA) -10 -10 -10 -10 -10 0 0 0 0 0	calculation (m)	SPL (dB(A)) -888 -65 -888 -60 -888 -888 -888 -888 -888 -888
Vacuum truck Light vehicles Truck (>20tonne)	109 95 106	84 70 81	Quantity 1	Individual distance to	Is there line of sight to receiver? Y/N No (behind substantial 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	correction (dBA) -10 -10 -10 -10 0 0 0 0 0	calculation (m)	SPL (dB(A)) -688 -65 -688 -60 -688 -688 -888 -888 -888 -888
Vacuum truck Light vehicles Truck (>20tonne)	109 95 106	84 70 81	Quantity 1	Individual distance to	Is there line of sight to receiver? Y/N No (behind substantial solid barrier) Yes Yes Yes Yes Yes Yes Yes No (behind substantial solid barrier)	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	correction (dBA) -10 -10 -10 -10 0 0 0 0 0 0 0	calculation (m)	SPL (dB(A)) -688 -65 -888 -60 -888 -888 -888 -888 -888 -888
Vacuum truck Light vehicles Truck (>20tonne)	109 95 106	84 70 81	Quantity 1	Individual distance to	Is there line of sight to receiver? Y/N No (behind substantial solid barrier) Yes Yes Yes Yes Yes Yes Nes Nes No (behind substantial solid barrier)	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0	correction (dBA) -10 -10 -10 -10 0 0 0 0 0 0 0 0	calculation (m)	SPL (dB(A)) -888 -65 -888 -60 -888 -888 -888 -888 -888 -888
Vacuum truck Light vehicles Truck (>20tonne)	109 95 106	84 70 81	Quantity 1	Individual distance to	Is there line of sight to receiver? Y/N No (behind substantial sold barrier) Yes Yes Yes Yes Yes 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 0 0 0 0	correction (dBA) -10 -10 -10 -10 -10 0 0 0 0 0 -10 -10 -	calculation (m)	SPL (dB(A)) -888 -65 -688 -60 -888 -888 -888 -888 -888 -888
Vacuum truck Light vehicles Truck (>20tonne)	109 95 106	84 70 81	Quantity 1	Individual distance to	Is there line of sight to receiver? Y/N No (behind substantial solid barrier) Yes Yes Yes Yes Yes Yes Nes Nes No (behind substantial solid barrier)	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	correction (dBA) -10 -10 -10 -10 0 0 0 0 0 0 -10 -10 -10	calculation (m)	SPL (dB(A)) -888 -65 -888 -60 -888 -888 -888 -888 -888 -888
Vacuum truck Light vehicles Truck (>20tonne)	109 95 106	84 70 81	Quantity 1	Individual distance to	Is there line of sight to receiver? Y/N No (behind substantial sold barrier) Yes Yes Yes Yes Yes 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 0 0 0 0	correction (dBA) -10 -10 -10 -10 -10 0 0 0 0 0 -10 -10 -	calculation (m)	SPL (dB(A)) -888 -65 -688 -60 -888 -888 -888 -888 -888 -888
Vacuum truck Light vehicles Truck (>20tonne)	109 95 106	84 70 81	Quantity 1	Individual distance to	Is there line of sight to receiver? Y/N No (behind substantial solid barrier) Yes Yes Yes Yes Yes Yes Yes Obehind substantial solid barrier) No (behind substantial solid barrier)	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	correction (dBA) -10 -10 -10 -10 0 0 0 0 0 -10 -10 -10 -	calculation (m)	SPL (dB(A)) -688 -65 -688 -60 -688 -888 -888 -888 -888 -888
Vacuum truck Light vehicles Truck (>20tonne)	109 95 106	84 70 81	Quantity 1	Individual distance to	Is there line of sight to receiver? Y/N No (behind substantial solid barrier) Yes Yes Yes Yes Yes Yes No (behind substantial solid barrier)	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	correction (dBA) -10 -10 -10 -10 -10 0 0 0 0 0 -10 -10 -	calculation (m)	SPL (dB(A)) -888 -888 -888 -888 -888 -888 -888 -
Vacuum truck Light vehicles Truck (>20tonne)	109 95 106	84 70 81	Quantity 1	Individual distance to	Is there line of sight to receiver? Y/N No (behind substantial solid barrier) Yes Yes Yes Yes Yes Yes Yes No (behind substantial solid barrier)	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	correction (dBA) -10 -10 -10 -10 0 0 0 0 0 -10 -10 -10 -	calculation (m)	SPL (dB(A)) -868 -65 -888 -60 -888 -888 -888 -888 -888 -888

e. +15 – vac truck

Period Communication of the Co					in a line of a set of the manner of		na laval for c	time natical (as "- D	17 to D40)
Project name Scenario name		RP2J Install signage			user input is selected - enter the measured se same representative distance to the receive			time period (cells D	17 to D19).
Receiver address		2 Crest Road Jesmond			Y is selected - enter the representative dist		IV (CEII C24).		
Select area ground type		Developed settlements (urban ar			N is selected - go to step #7	unce in cen ozo.			
Select type of background noise lev	vel input	User Input	io Suburban dicus)		io (e.g. shallow excavation), select plant from		list in cells A28	to A47 (e.g. dump tre	ucks + excava
					quantity for each selected plant in cells D28				
		Representative Noise Environment	User Input		N is selected from step #6 - enter the distance 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 n		
2000	Dav		47		el above background and/or noise mangeme				
RBL or LA90 Background level (dB(A))	Evening		46		plement standard mitigation measures where he 'Is there line of sight to receiver' drop-dow		asonable. Includ	te any shielding impl	emented as p
• , , , ,	Night		36		ne is there line of signit to receiver drop-dov		ures (see rows)	63 to 65)	
	Day		57		summary report detailing:	gameneas	(
	Day (OOHW)		52		t description (including location, duration, ho	urs of work, con	struction methor	dology, plant, potent	ially impacted
LAeq(15minute) Noise mangement level (dB(A))	Evening		51		round noise levels. management levels.				
	Night		41		ted noise levels for each time period.				
	mgnt		191		disturbance affected distance for night work	s.			
			1		tion measures.				
Is all plant at the same representative distance	to the receiver? Y/N	Y		(g) team	member responsible for implementing mitiga	tion measures a	nd managing no	ise and vibration.	
				(Mate that suitable	e noise management levels for other noise-s	annitive business	oce net identifie	d in the Construction	Naine Entime
Representative distance (m)		45	All at Representative Dista	nce (Note that suitable	e noise management levels for other noise-s	ensuive pusines	ses not identine	d in the Construction	Noise Estilla
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	45	56
Light vehicles	95	70	1		No (behind substantial solid barrier)	0	-10	45	42
Truck (>20tonne)	106	81			No (behind substantial solid barrier)	0	-10		-888
Small Hand Tools	90	65	1		No (behind substantial solid barrier)	0	-10	45	37
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888 -888
					Yes		0		
					Yes	0	100		-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
					No (behind substantial solid barrier)	0	-10		-888
					The Particular Company of the Particular Company of the Company of	0	-10	1	-888
					No (behind substantial solid barrier)	V	-10		
					No (behind substantial solid barrier) No (behind substantial solid barrier)	0	-10		-888
						0	-10 -10		-888
					No (behind substantial solid barrier)	0	-10		

f. +15 hand tools

Project name		RP2J			user input is selected - enter the measured			time period (cells D	17 to D19).
Scenario name		Install signage			e same representative distance to the recei				
Receiver address		2 Crest Road Jesmond			Y is selected - enter the representative dis	tance in cell C25.			
Select area ground type		Developed settlements (urban as	nd suburban areas)		N is selected - go to step #7 io (e.g. shallow excavation), select plant fro	m the drop down	liet in calle A28	to A47 (e.a. dumn tri	icke + evcayat
Select type of background noise le	vei input	User Input			quantity for each selected plant in cells D28		iist iii cciis A20	to A47 (c.g. dump in	ucks - Cxcavar
	1	Representative Noise Environment	User Input	(b) where	N is selected from step #6 - enter the dista	nce to receiver fo			
Noise area category		Representative Noise Livironnent	oser input		e line of sight to receiver? select from drop mber lapped and capped fence, shipping co				
	Day		47		el above background and/or noise mangeme				
RBL or LA90 Background level (dB(A))	Evening		46		plement standard mitigation measures wher he 'Is there line of sight to receiver' drop-dox		asonable. Includ	le any shielding impl	emented as pa
	Night		36		nplement feasible and reasonable additiona		ures (see rows	63 to 65).	
	Day		57		summary report detailing:				
	Day (OOHW)		52		t description (including location, duration, h	ours of work, con	struction methor	dology, plant , potent	ially impacted
LAeq(15minute) Noise mangement level (dB(A))	Evening		51		round noise levels. management levels .				
	Night		41		ted noise levels for each time period.				
	1	20			disturbance affected distance for night work	rs.			
Is all plant at the same representative distance	to the receiver? Y/N	Y			tion measures. member responsible for implementing mitiga	ation measures a	nd managing no	ise and vibration.	
Representative distance (m.)	12	All at Representative Dist	ance (Note that suitable	e noise management levels for other noise -	sensitive busines	ses not identifie	d in the Construction	Noise Estimat
Type/ model plant (See Sources Sheet)	SWL LAeq (dB(A))	SPL @7m (dB(A))	Quantity	Individual distance to		Quantity	Shielding correction	Distance used in	Contribution
Vacuum truck			10000000000000000000000000000000000000	receiver (m)	Is there line of sight to receiver? Y/N	correction (dBA)		calculation (m)	SPL (dB(A))
	109	84		receiver (m)	No (behind substantial solid barrier)	(dBA)	(dBA)	calculation (m)	SPL (dB(A)) -888
Light vehicles	109 95	84 70	1	receiver (m)	-	(dBA)	(dBA)	calculation (m)	
				receiver (m)	No (behind substantial solid barrier)	(dBA) 0	(dBA) -10		-888
Light vehicles	95	70		receiver (m)	No (behind substantial solid barrier) No (behind substantial solid barrier)	(dBA) 0 0 0	-10 -10 -10 -10 -10		-888 55 -888 50
Light vehicles Truck (>20tonne)	95 106	70 81	1	receiver (m)	No (behind substantial solid barrier) Yes	(dBA) 0 0 0 0 0	(dBA) -10 -10 -10 -10 -10 -0	12	-888 55 -888 50 -888
Light vehicles Truck (>20tonne)	95 106	70 81	1	receiver (m)	No (behind substantial solid barrier) Yes Yes	(dBA) 0 0 0 0 0 0	(dBA) -10 -10 -10 -10 -10 0 0	12	-888 55 -888 50 -888 -888
Light vehicles Truck (>20tonne)	95 106	70 81	1	receiver (m)	No (behind substantial solid barrier) Yes Yes Yes Yes	(dBA) 0 0 0 0 0 0 0	(dBA) -10 -10 -10 -10 -10 0 0 0	12	-888 55 -888 50 -888 -888 -888
Light vehicles Truck (>20tonne)	95 106	70 81	1	receiver (m)	No (behind substantial solid barrier) Yes Yes Yes Yes	(dBA) 0 0 0 0 0 0 0 0	(dBA) -10 -10 -10 -10 -10 0 0 0 0	12	-888 55 -888 50 -888 -888 -888 -888
Light vehicles Truck (>20tonne)	95 106	70 81	1	receiver (m)	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 -0 0 0 0 0 0	12	-888 55 -888 50 -888 -888 -888 -888 -888
Light vehicles Truck (>20tonne)	95 106	70 81	1	receiver (m)	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 0 0 0 0 0 0 0	12	-888 55 -888 50 -888 -888 -888 -888 -888
Light vehicles Truck (>20tonne)	95 106	70 81	1	receiver (m)	No (behind substantial solid barrier) 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 0 0 0 0 0 0 0	12	-888 -888 -888 -888 -888 -888 -888 -88
Light vehicles Truck (>20tonne)	95 106	70 81	1	receiver (m)	No (behind substantial solid barrier) Yes Yes Yes Yes Yes Yes Yes Yo	(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 0 0 0 0 0 -10 0 -10 -10	12	-888 55 -888 50 -888 -888 -888 -888 -888
Light vehicles Truck (>20tonne)	95 106	70 81	1	receiver (m)	No (behind substantial solid barrier) Yes Yes Yes Yes Yes Yes Nes Nes 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 0 0 0 0 0 -10 -10 -	12	-888 55 -888 50 -888 -888 -888 -888 -888
Light vehicles Truck (>20tonne)	95 106	70 81	1	receiver (m)	No (behind substantial solid barrier) Yes Yes Yes Yes Yes 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 0 0 0 0 0 -10 -10 -	12	-888 55 -888 50 -888 -888 -888 -888 -888
Light vehicles Truck (>20tonne)	95 106	70 81	1	receiver (m)	No (behind substantial solid barrier) Ves Ves Ves Ves Ves Ves 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 0 0 0 0 0 0 -10 -10	12	-888 55 -888 59 -888 -888 -888 -888 -888
Light vehicles Truck (>20tonne)	95 106	70 81	1	receiver (m)	No (behind substantial solid barrier) Yes Yes Yes Yes Yes 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 0 0 0 0 0 0 0 -10 -10 -	12	-888 55 -888 50 -888 -888 -888 -888 -888
Light vehicles Truck (>20tonne)	95 106	70 81	1	receiver (m)	No (behind substantial solid barrier) Ves Ves Ves Ves Ves Ves 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 0 0 0 0 0 0 -10 -10 -10	12	-888 -55 -888 -50 -888 -888 -888 -888 -888 -888 -888 -888 -888 -888 -888 -888 -888
Light vehicles Truck (>20tonne)	95 106	70 81	1	receiver (m)	No (behind substantial solid barrier) Yes Yes Yes Yes Yes Yes Obehind 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 0 0 0 0 0 0 -110 -10 -1	12	-888 55 -888 -888 -888 -888 -888 -888 -
Light vehicles Truck (>20tonne)	95 106	70 81	1	receiver (m)	No (behind substantial solid barrier) Yes Yes Yes Yes Yes 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 0 0 0 0 0 0 -10 -10 -10	12	-888 -55 -888 -50 -888 -888 -888 -888 -888 -888 -888 -888 -888 -888 -888 -888 -888

g. +5 vac truck

Project name		RP2J			
Scenario name		Install signage			
Receiver address		2 Crest Road Jesmond (R	1092)		
Select area ground type		Developed settlements (urban and s	uburban areas)		
Select type of background noise leve	l input	User Input			
		20 TO THE RESERVE TO			
No. 57		Representative Noise Environment	User Input		
Noise area category					
	Day		47		
RBL or LA90 Background level (dB(A))	Evening		46		
	Night		36		
	Day		57		
LAeg(15minute) Noise mangement level (dB(A))	Day (OOHW)		52		
LAequisminute) noise mangement level (db(A))	Evening		51		
	Night	ľ	41		

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

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 ou 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 in the selection in the 1s there line of sight to receiver drop-down into the selection in the 1s there line of sight to receiver drop-down into the selection in the 1st there line of sight to receiver drop-down into the selection and 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 for each time period
(d) predicted noise levels for each time period
(d) predicted onise levels for each time period
(f) principled of the proper selected distance for right works.
(g) item member responsible for implementing milligation 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)	Contribution SPL (dB(A))
Vacuum truck	109	84	1		No (behind substantial solid barrier)	0	-10	125	46
Light vehicles	95	70	1		No (behind substantial solid barrier)	0	-10	125	32
Truck (>20tonne)	106	81			No (behind substantial solid barrier)	0	-10		-888
Small Hand Tools	90	65	1		No (behind substantial solid barrier)	0	-10	125	27
					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 T	No (behind substantial solid barrier)	0	-10		-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
					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

a. +5 hand tools

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

Project name		RP2J			e user input is selected - enter the measured		e level for each	time period (cells D	17 to D19).
Scenario name		Install signage			he same representative distance to the recei		N (cell C24):	18 8	Ž
Receiver address		2 Crest Road Jesmond	(R1092)		e Y is selected - enter the representative dis	tance in cell C25.			
Select area ground type		Developed settlements (urban an	d suburban areas)		e N is selected - go to step #7				
Select type of background noise le	vel input	User Input			io (e.g. shallow excavation), select plant fro quantity for each selected plant in cells D28		list in cells A28	to A47 (e.g. dump tr	ucks + excavat
					quantity for each selected plant in cells D28 e N is selected from step #6 - enter the dista		r each individua	al plant in cells E20 to	o E47
		Representative Noise Environment	User Input		re line of sight to receiver? select from drop				
Noise area category	10			curtain, ti	imber lapped and capped fence, shipping co	ntainer, site office	e, etc. Please no		
	Day		47	8. Identify the lev	el above background and/or noise mangem	ent level (see row	s 57 to 62).		
RBL or LA90 Background level (dB(A))	Evening		46		plement standard mitigation measures when the 'Is there line of sight to receiver' drop-do		asonable. Includ	te any shielding impl	lemented as pa
•	Night		36		mplement feasible and reasonable additiona		ures (see rows (63 to 65)	
	Day		57	11. Document a s	summary report detailing:	-			
	Day (OOHW)		52		ct description (including location, duration, h	ours of work, con-	struction method	dology, plant, potent	tially impacted
Aeq(15minute) Noise mangement level (dB(A))	Evening		51		ground noise levels. management levels.				
	Night		41		cted noise levels for each time period.				
Democratical distance for	A	22	All of Donosoutotive Dietono	. (Note that suitable	le noise management levels for other noise.	sensitive husines	ses not identifie	d in the Construction	Noise Estima
Representative distance (m)	32	All at Representative Distance	(Note that suitable	le noise management levels for other noise -	sensitive busines		d in the Construction	n Noise Estima
Representative distance (m Type/ model plant (See Sources Sheet)	SWL LAeq (dB(A))			(Note that suitable of the control o	le noise management levels for other noise-	Quantity correction (dBA)	Shielding correction (dBA)	Distance used in calculation (m)	
	AMAZOZIO 08/00/200			ndividual distance to		Quantity correction	Shielding correction	Distance used in	Contribution
Type/ model plant (See Sources Sheet)	SWL LAeq (dB(A))	SPL @7m (dB(A))		ndividual distance to	Is there line of sight to receiver? Y/N	Quantity correction (dBA)	Shielding correction (dBA)	Distance used in	Contribution SPL (dB(A))
Type/ model plant (See Sources Sheet) Vacuum truck	SWL LAeq (dB(A))	SPL @7m (dB(A))		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) Vacuum truck Light vehicles	SWL LAeq (dB(A)) 109 95	SPL @7m (dB(A)) 84 70		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 0 0	Shielding correction (dBA) -10 -10 -10 -10	Distance used in calculation (m)	Contribution SPL (dB(A)) -888 45 -888 40
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 I	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	Shielding correction (dBA) -10 -10 -10 -10 0	Distance used in calculation (m)	Contribution SPL (dB(A)) -888 45 -888 40 -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 I	ndividual distance to	Is there line of sight to receiver? Y/N No (behind substantial sold barrier) Yes Yes	Quantity correction (dBA) 0 0 0 0 0 0 0 0	Shielding correction (dBA) -10 -10 -10 -10 -10 0 0	Distance used in calculation (m)	Contribution SPL (dB(A)) -888 45 -888 40 -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 I	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	Shielding correction (dBA) -10 -10 -10 -10 -10 0 0	Distance used in calculation (m)	Contribution SPL (dB(A)) -888 45 -888 40 -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 I	ndividual distance to	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	Shielding correction (dBA) -10 -10 -10 -10 -10 -0 0 0 0	Distance used in calculation (m)	Contribution SPL (dB(A)) -888 45 -888 40 -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 I	ndividual distance to	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	Shielding correction (dBA) -10 -10 -10 -10 0 0 0 0 0 0 0	Distance used in calculation (m)	Contribution SPL (dB(A)) -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 I	ndividual distance to	Is there line of sight to receiver? Y/N No (behind substantial 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	Shielding correction (dBA) -10 -10 -10 -10 0 0 0 0 0	Distance used in calculation (m)	Contribution SPL (dB(A)) -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 I	ndividual distance to	Is there line of sight to receiver? Y/N No (behind substantial 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) -10 -10 -10 -10 0 0 0 0 0 0	Distance used in calculation (m)	Contribution SPL (dB(A)) -888 -45 -888 -40 -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 I	ndividual distance to	Is there line of sight to receiver? Y/N No (behind substantial solid barrier) Yes Yes Yes Yes Yes Yes Yes No (behind substantial 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 -10 -10 0 0 0 0 0 -10 0 -10 0 -10 0 0 0	Distance used in calculation (m)	Contributio SPL (dB(A)) -888 45 -888 40 -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 I	ndividual distance to	Is there line of sight to receiver? Y/N No (behind substantial 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) -10 -10 -10 -10 0 0 0 0 0 0	Distance used in calculation (m)	Contributio SPL (dB(A)) -888 45 -888 40 -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 I	ndividual distance to	Is there line of sight to receiver? Y/N No (behind substantial solid barrier) Yes Yes Yes Yes Yes Yes Yes No (behind substantial 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 -10 -10 0 0 0 0 0 -10 0 -10 0 -10 0 0 0	Distance used in calculation (m)	Contributio SPL (dB(A)) -888 45 -888 40 -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 I	ndividual distance to	Is there line of sight to receiver? Y/N No (behind substantial solid barrier) Yes Yes Yes Yes Yes Yes Yes No (behind substantial solid barrier) No (behind substantial solid barrier) 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 0 0 0 0 0 0 -10 -10 -10	Distance used in calculation (m)	Contribution SPL (dB(A)) -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 I	ndividual distance to	Is there line of sight to receiver? Y/N No (behind substantial solid barrier) Yes Yes Yes Yes Yes Yes Nes No (behind substantial solid barrier) No (behind substantial solid barrier) No (behind substantial 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 -10 -10 0 0 0 0 0 0 -10 -10 -10	Distance used in calculation (m)	Contribution SPL (dB(A)) -888 -45 -888 -888 -888 -888 -888 -888

b. NML - vac truck

Project name		RP2J					
Scenario name		Install signage	8				
Receiver address		2 Crest Road Jesmon	d (R1092)				
Select area ground type	100 4/	Developed settlements (urban and suburban areas)					
Select type of background noise leve	linput	User Input					
	1	Representative Noise Environment	User Input				
Noise area category							
	Day		47				
RBL or LA90 Background level (dB(A))	Evening		46				
	Night		36				
	Day		57				
Aeg(15minute) Noise mangement level (dB(A))	Day (OOHW)	j	52				
LAequaminates noise mangement lever (ab(A))	Evening		51				
	Night		41				
			-				
s all plant at the same representative distance to	the receiver? Y/N	Υ					
Penraeentative dietance (m)		190	All at Poprocontativo Dietano				

(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 - enter the representative distance in cell C25.
(c) where N is selected and selected plant in cells D28 to D47.
(d) enter quantity for each selected plant in cells D28 to D47.
(e) sether lend selected from step #6 - enter the distance to receiver select plant in cells D28 to D47.
(c) is there line of sight to receiver? select from drop down its in cells F28 to F47. Solid barrier can be in the form of r oad cuttic curtain, timber lapped and capped fence, shipping container, site office, etc. Please note that vegetation and trees are not con.

8. Identify the devel 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 1's there line of sight for cerciver' drop-down list in cells F28 to F47.

10. Identify the 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.
(e) that suitable 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

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	190	41
Light vehicles	95	70	1		No (behind substantial solid barrier)	0	-10	190	27
Truck (>20tonne)	106	81			No (behind substantial solid barrier)	0	-10		-888
Small Hand Tools	90	65	1		No (behind substantial solid barrier)	0	-10	190	22
					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
					No (behind substantial solid barrier)	0	-10		-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
					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

c. NML - hand tools

Total SPL L Aeq(15minute) (dB(A)) 41

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

Scenario name		install signage	
Receiver address		2 Crest Road Jesmond (R	1092)
Select area ground type	Na Carlotte	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		47
RBL or LA90 Background level (dB(A))	Evening		46
	Night		36
, and the second	Day		57
LAeg(15minute) Noise mangement level (dB(A))	Day (OOHW)		52
Exequisimilates noise mangement lever (ub(A))	Evening		51
	Night		41

(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 cu curtain, timber lapped and capped fence, shipping container, site office, etc. Please note that vegetation and trees are not ci.
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 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) sileep disturbance affected distance for night works.
(f) mitigation measures.

(Note that suitable noise management levels for other noise-sensitive businesses not identified in the Construction Noise Estimator: All at Representative Distance

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	55	40
Truck (>20tonne)	106	81			No (behind substantial solid barrier)	0	-10		-888
Small Hand Tools	90	65	1		No (behind substantial solid barrier)	0	-10	55	35
					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
					No (behind substantial solid barrier)	0	-10		-888
				3	No (behind substantial solid barrier)	0	-10		-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
					No (behind substantial solid barrier)	0	-10		-888
					No (behind substantial solid barrier)	0	-10		-888
					Yes	0	0		-888
					Yes	0	0		-888

2. Signage NCA5 - R1466 (234 Newcastle Road Jesmond)

a. Worst case - vac truck

Project name		RP2J		(b) wher	e user input is selected - enter the measured	background nois		time period (cells D	17 to D19).
Scenario name		Signage installat	tion	6. Is all plant at t	he same representative distance to the recei	ver? Select Y or	N (cell C24):		
Receiver address		234 New castle Road	d R1466	(a) wher	e Y is selected - enter the representative dist	ance in cell C25.			
Select area ground type		Developed settlements (urban a	nd suburban areas)		e N is selected - go to step #7				
Select type of background noise lev	rel input	User Input	AU-100-100-100-100-100-100-100-100-100-10		rio (e.g. shallow excavation), select plant from		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		r oach individua	al plant in cells E29 t	o E 47
		Representative Noise Environment	User Input		re line of sight to receiver? select from drop				
Noise area category			70	curtain,	timber lapped and capped fence, shipping co	ntainer, site offic	e, etc. Please no		
	Day		55		el above background and/or noise mangeme			-000	
RBL or LA98 Background level (dB(A))	Evening		51		nplement standard mitigation measures wher the 'Is there line of sight to receiver' drop-dov		asonable. Includ	te any shielding impl	lemented as p
The state of the s	Night		41		mplement feasible and reasonable additional		ires (see rows	63 to 65)	
	Day		65		summary report detailing:	i illingation illicas	uica (acc iona	00 10 00).	
	Day (OOHW)		60	(a) proje	ct description (including location, duration, he	ours of work, con	struction metho	dology, plant, potent	tially impacted
Aeq(15minute) Noise mangement level (dB(A))	The state of the s		56		ground noise levels.				
	Evening				management levels . cted noise levels for each time period.				
	Night		46		cted noise levels for each time period. I disturbance affected distance for night work	•			
s all plant at the same representative distance		Y 10		(g) team	ition measures. member responsible for implementing mitiga le noise management levels for other noise∹				Noise Fetim
Representative distance (m)		10	All at Representative Distan	Ce (Note mai sunau	ie noise management ievels for other noise-	sensitive pusities	ses not identine	u iii iiie Constiuctioi	I NOISE ESUITA
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	1		No (behind substantial solid barrier)	0	-10	10	71
Light vehicles	95	70	1		No (behind substantial solid barrier)	0	-10	10	57
Truck (×20tonne)	106	81			No (behind substantial solid barrier)	0	-10	100	-888
Generator	95	70	1		No (behind substantial solid barrier)	0	-10	10	57
					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
			5		163				W
Total SPL L Aeg(15minute) (dE		71	45		103				

b. Worst case - hand tools

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

Select area ground type		Developed settlements (urban an	id suburban areas)	(b) where N is selected - go to step #7
Select type of background noise leve	el input	User Input		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).
		Representative Noise Environment	User Input	(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.
Noise area category	,	Representative Noise Environment	oser 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 r oad cu curtain, timber lapped and capped fence, shipping container, site office, etc. Please note that vegetation and trees are not c
	Day	8	55	Identify the level above background and/or noise mangement level (see rows 57 to 62).
RBL or LA96 Background level (dB(A))	Evening		51	 Identify and implement standard mitigation measures where feasible and reasonable. Include any shielding implemented as part the selection in the 'ls there line of sight to receiver' drop-down list.
	Night		41	10. Identify and implement feasible and reasonable additional mitigation measures (see rows 63 to 65).
	Day		65	11. Document a summary report detailing:
LAeq(15minute) Noise mangement level (dB(A))	Day (OOHW)		60	(a) project description (including location, duration, hours of work, construction methodology, plant, potentially impacted rec(b) background noise levels.
LAequisminute) noise mangement level (db(A))	Evening		56	(c) poise management levels .
	Night		46	(d) predicted noise levels for each time period.
				(e) sleep disturbance affected distance for night works. (f) mitigation measures.
Is all plant at the same representative distance t	o the receiver? Y/N	Y		(g) team member responsible for implementing mitigation measures and managing noise and vibration.
Representative distance (m)		10	All at Representative Distance	(Note that suitable noise management levels for other noise-sensitive businesses not identified in the Construction Noise Estima tor

(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.

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	1		No (behind substantial solid barrier)	0	-10	10	57
Truck (>20tonne)	106	81			No (behind substantial solid barrier)	0	-10		-888
Small Hand Tools	90	65	1		No (behind substantial solid barrier)	0	-10	10	52
				Ü.	Yes	0	0	. 3	-888
				- L	Yes	0	0		-888
					Yes	0	0		-888
				i i	Yes	0	0		-888
					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
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888

c. +25 - vac truck

Project name

Receiver address		234 New castle Road R1	466		
Select area ground type		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		55		
RBL or LA96 Background level (dB(A))	Evening		51		
	Night		41		
	Day		65		
LAeg(15minute) Noise mangement level (dB(A))	Day (OOHW)		60		
Aequisminute) noise mangement level (ub(A))	Evening		56		
i i	Night		46		

(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.

7. For the scenario (cs.) shallow it is selected in the selection of the selection in the 'Is there line of sight' to receiver' select from dry down ist in cells F25 to 62).

9. Identify and implement standard mitigation measures where feasible and reasonable. Include any shielding implemented as part in the selection in the 'Is there line of sight for 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) hose management levels
(d) hitspation measures
(g) feam 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)	
Vacuum truck	109	84	1		No (behind substantial solid barrier)	0	-10	10	71
Light vehicles	95	70	1		No (behind substantial solid barrier)	0	-10	10	57
Truck (×20tonne)	106	81			No (behind substantial solid barrier)	0	-10	and the second	-888
Generator	95	70	1		No (behind substantial solid barrier)	0	-10	10	57
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
			14		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

All at Representative Distance

Total SPL L Aeq(15minute) (dB(A)) 71

Representative distance (m)

d. +15 – vac truck

		RP2J		(b) where	user input is selected - enter the measured	hackground nois	se level for each	time period (cells D	17 to D19)
Project name Scenario name		Signage installati	on		ne same representative distance to the recei			time period (cens b	11 10 0 10).
Receiver address		234 Newcastle Road			Y is selected - enter the representative dis	tance in cell C25.			
Select area ground type		Developed settlements (urban an	d suburban areas)		N is selected - go to step #7				
Select type of background noise lev	rel input	User Input	2.		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 tr	ucks + excavat
					N is selected from step #6 - enter the dista		or each individua	al plant in cells E28 t	D E47.
		Representative Noise Environment	User Input		re line of sight to receiver? select from drop				
Noise area category					imber lapped and capped fence, shipping co			ote that vegetation a	nd trees are no
	Day		55		el above background and/or noise mangeme plement standard mitigation measures wher			le any shielding imp	emented as no
RBL or LA90 Background level (dB(A))	Evening		51		he 'Is there line of sight to receiver' drop-dov		asonable. melae	ic any sinclaing imp	cincinca as pr
	Night		41	10. Identify and in	nplement feasible and reasonable additiona		ures (see rows (63 to 65).	
	Day		65 11. Document a summary report detailing. (a) project description (including location, duration, hours of work, construction methodology, plant, potential						
s car : Maine management level (altria)	Day (OOHW)		60		ct description (including location, duration, he pround noise levels.	ours of work, con	struction method	gology, plant, poten	ially impacted
Aeq(15minute) Noise mangement level (dB(A))	Evening		56		management levels .				
	Night		46	(d) predic	cted noise levels for each time period.				
					disturbance affected distance for night work	S.			
s all plant at the same representative distance	to the resolver? VIII	Ÿ			tion measures. member responsible for implementing mitiga	ation measures a	nd managing no	ise and vibration	
s all plant at the same representative distance	to the receiver? T/N	T.		(3)					
Representative distance (m)	()	25	All at Representative Di	stance (Note that suitable	e noise management levels for other noise -	sensitive busines	ses not identifie	d in the Construction	Noise Estima
(Els) (III)	2		35 s						
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	25	61
Light vehicles	95	70							47
	95	70	1		No (behind substantial solid barrier)	0	-10	25	4/
Truck (>20tonne)	106	81	1		No (behind substantial solid barrier) No (behind substantial solid barrier)	0	-10	25	-888
			1			0	-10 -10	25 25	-888 42
Truck (>20tonne)	106	81			No (behind substantial solid barrier) No (behind substantial solid barrier) Yes	0 0	-10 -10 0		-888 42 -888
Truck (>20tonne)	106	81			No (behind substantial solid barrier) No (behind substantial solid barrier) Yes Yes	0 0 0	-10 -10 0		-888 42 -888 -888
Truck (>20tonne)	106	81			No (behind substantial solid barrier) No (behind substantial solid barrier) Yes Yes Yes	0 0 0 0	-10 -10 0 0		-888 42 -888 -888 -888
Truck (>20tonne)	106	81			No (behind substantial solid barrier) No (behind substantial solid barrier) Yes Yes Yes Yes Yes Yes	0 0 0 0 0	-10 -10 0 0 0		-888 42 -888 -888 -888 -888
Truck (>20tonne)	106	81			No (behind substantial solid barrier) No (behind substantial solid barrier) Yes Yes Yes Yes Yes Yes Yes Yes	0 0 0 0 0 0	-10 -10 0 0		-888 42 -888 -888 -888 -888 -888
Truck (>20tonne)	106	81			No (behind substantial solid barrier) No (behind substantial solid barrier) Yes	0 0 0 0 0	-10 -10 0 0 0 0		-888 42 -888 -888 -888 -888 -888 -888
Truck (>20tonne)	106	81			No (behind substantial solid barrier) No (behind substantial solid barrier) Ness Yes Yes Yes Yes Yes Yes Yes Yes Yes	0 0 0 0 0 0 0	-10 -10 0 0 0 0		-888 42 -888 -888 -888 -888 -888 -888 -8
Truck (>20tonne)	106	81			No (behind substantial solid barrier) No (behind substantial solid barrier) Yes	0 0 0 0 0 0 0 0	-10 -10 0 0 0 0 0 0 0		-888 42 -888 -888 -888 -888 -888 -888 -8
Truck (>20tonne)	106	81			No (behind substantial solid barrier) No (behind substantial solid barrier) No (behind substantial solid barrier) Yes	0 0 0 0 0 0 0 0 0	-10 -10 0 0 0 0 0 0 0		-888 42 -888 -888 -888 -888 -888 -888 -8
Truck (>20tonne)	106	81			No (behind substantial solid barrier) No (behind substantial solid barrier) Yes	0 0 0 0 0 0 0 0 0 0	-10 -10 0 0 0 0 0 0 0 0 0		-888 42 -888 -888 -888 -888 -888 -888 -8
Truck (>20tonne)	106	81			No (behind substantial solid barrier) No (behind substantial solid barrier) Yes	0 0 0 0 0 0 0 0 0 0 0	-10 -10 0 0 0 0 0 0 0 0 0 0 0 0		-888 42 -888 -888 -888 -888 -888 -888 -8
Truck (>20tonne)	106	81			No (behind substantial solid barrier) No (behind substantial solid barrier) Yes	0 0 0 0 0 0 0 0 0 0 0 0 0	-10 -10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		-888 42 -868 -888 -888 -888 -888 -888 -888 -88
Truck (>20tonne)	106	81			No (behind substantial solid barrier) No (behind substantial solid barrier) Yes	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-10 -10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		-888 42 -888 -888 -888 -888 -888 -888 -8
Truck (>20tonne)	106	81			No (behind substantial solid barrier) No (behind substantial solid barrier) Yes	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-10 -10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		-888 42 -888 -888 -888 -888 -888 -888 -8
Truck (>20tonne)	106	81			No (behind substantial solid barrier) No (behind substantial solid barrier) Yes	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-10 -10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		-888 42 -888 -888 -888 -888 -888 -888 -8
Truck (>20tonne)	106	81			No (behind substantial solid barrier) No (behind substantial solid barrier) Yes	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-10 -10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		-888 42 -888 -888 -888 -888 -888 -888 -8
Truck (>20tonne)	106	81			No (behind substantial solid barrier) No (behind substantial solid barrier) Yes	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-10 -10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		-888 42 -888 -888 -888 -888 -888 -888 -8

e. +15 - hand tools

Project name		RP2J		(b) where	user input is selected - enter the measured		se level for each	time period (cells D	17 to D19)	
Scenario name		Signage installati	0.0		e same representative distance to the recei			time penda (cens b	11 10 0 10).	
Receiver address		234 Newcastle Road			Y is selected - enter the representative dist		14 (0011 02-1).			
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			io (e.g. shallow excavation), select plant from		list in cells A28	to A47 (e.g. dump tru	icks + excavator	
					quantity for each selected plant in cells D28					
New York		Representative Noise Environment	User Input		N is selected from step #6 - enter the dista te line of sight to receiver? select from drop					
Noise area category					mber lapped and capped fence, shipping co			ote that vegetation ar	nd trees are not	
	Day		55		el above background and/or noise mangeme			en e		
RBL or LA90 Background level (dB(A))	Evening		51				e feasible and reasonable. Include any shielding implemented a			
	Night		41	the selection in the 'ls there line of sight to receiver' drop-down list. 10. Identify and implement feasible and reasonable additional mitigation measures (see rows 63 to 65).						
	Day		65	11. Document a summary report detailing:						
	Day (OOHW)		60	(a) project	t description (including location, duration, he	ours of work, con:	struction method	dology, plant , potent	ially impacted re	
LAeq(15minute) Noise mangement level (dB(A))	The state of the s				round noise levels.					
Evening 56 (c) noise management levels .										
	Night		46		disturbance affected distance for night work	re.				
<u> </u>	all plant at the same representative distance to the receiver? Y/N			(g) team	ion measures. member responsible for implementing mitiga e noise management levels for other noise∹				Noise Estimate	
Representative distance (m	ľ.	7	All at Representative Dist	ance (Note that suitable	e noise management levels for other noise-	sensitive busines	ses not identille	a in the Construction	Noise Estima to	
Type/ model plant (See Sources Sheet)	SWL LAeq (dB(A))									
	SHE ENER (GD(N))	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	SPL @7m (dB(A))	Quantity		Is there line of sight to receiver? Y/N No (behind substantial solid barrier)	correction	correction			
Vacuum truck Light vehicles			Quantity 1			correction (dBA)	correction (dBA)		SPL (dB(A))	
	109 95 106	84 70 81			No (behind substantial solid barrier)	correction (dBA)	correction (dBA) -10 -10 -10	calculation (m)	SPL (dB(A)) -888 60 -888	
Light vehicles	109 95	84 70			No (behind substantial solid barrier) No (behind substantial solid barrier)	correction (dBA) 0 0 0	correction (dBA) -10 -10 -10 -10	calculation (m)	SPL (dB(A)) -888 60 -888 55	
Light vehicles Truck (>20tonne)	109 95 106	84 70 81	1		No (behind substantial solid barrier) Yes	0 0 0 0 0	correction (dBA) -10 -10 -10 -10 -0	calculation (m)	SPL (dB(A)) -888 -60 -888 -55 -888	
Light vehicles Truck (>20tonne)	109 95 106	84 70 81	1		No (behind substantial solid barrier) Yes Yes	0 0 0 0 0 0 0	correction (dBA) -10 -10 -10 -10 0 0	calculation (m)	SPL (dB(A)) -888 -888 -55 -888 -888	
Light vehicles Truck (>20tonne)	109 95 106	84 70 81	1		No (behind substantial solid barrier) Yes Yes Yes	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	correction (dBA) -10 -10 -10 -10 -10 0 0	calculation (m)	SPL (dB(A)) -888 -888 -888 -888 -888	
Light vehicles Truck (>20tonne)	109 95 106	84 70 81	1		No (behind substantial solid barrier) Ves Ves Ves Ves Ves	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	correction (dBA) -10 -10 -10 -10 -10 0 0 0	calculation (m)	-888 -888 -55 -888 -888 -888 -888	
Light vehicles Truck (>20tonne)	109 95 106	84 70 81	1		No (behind substantial solid barrier) Yes Yes Yes Yes Yes Yes	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	correction (dBA) -10 -10 -10 -10 0 0 0 0	calculation (m)	SPL (dB(A)) -888 -60 -888 -55 -888 -888 -888 -888	
Light vehicles Truck (>20tonne)	109 95 106	84 70 81	1		No (behind substantial solid barrier) Yes Yes Yes Yes Yes Yes	correction (dBA) 0 0 0 0 0 0 0 0 0	correction (dBA) -10 -10 -10 -10 0 0 0 0 0	calculation (m)	SPL (dB(A)) -888 -60 -888 -55 -888 -888 -888 -888 -888 -888	
Light vehicles Truck (>20tonne)	109 95 106	84 70 81	1		No (behind substantial solid barrier) Yes Yes 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 (dBA) -10 -10 -10 -10 -10 0 0 0 0 0	calculation (m)	SPL (dB(A)) -888 -60 -888 -55 -888 -888 -888 -888 -888 -888	
Light vehicles Truck (>20tonne)	109 95 106	84 70 81	1		No (behind substantial solid barrier) 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 -10 -10 -10 0 0 0 0 0 0	calculation (m)	SPL (dB(A)) -888 -60 -888 -55 -888 -888 -888 -888 -888 -888	
Light vehicles Truck (>20tonne)	109 95 106	84 70 81	1		No (behind substantial solid barrier) 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 -10 -10 -10 -10 0 0 0 0 0 0	calculation (m)	SPL (dB(A)) -888 -60 -888 -55 -888 -888 -888 -888 -888 -888	
Light vehicles Truck (>20tonne)	109 95 106	84 70 81	1		No (behind substantial solid barrier) 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 -60 -888 -55 -888 -888 -888 -888 -888 -888	
Light vehicles Truck (>20tonne)	109 95 106	84 70 81	1		No (behind substantial solid barrier) 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 -	
Light vehicles Truck (>20tonne)	109 95 106	84 70 81	1		No (behind substantial solid barrier) 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 -60 -888 -55 -888 -888 -888 -888 -888 -888	
Light vehicles Truck (>20tonne)	109 95 106	84 70 81	1		No (behind substantial solid barrier) Vea	correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	correction (dBA) -10 -10 -10 -10 -10 0 0 0 0 0 0 0 0 0 0	calculation (m)	SPL (dB(A)) -888 -888 -888 -888 -888 -888 -888 -	
Light vehicles Truck (>20tonne)	109 95 106	84 70 81	1		No (behind substantial solid barrier) 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 -10 -10 -10 -10 0 0 0 0 0 0 0 0 0 0	calculation (m)	SPL (dB(A)) -888 -60 -888 -55 -888 -888 -888 -888 -888 -888	

f. +5 vac truck

Project name		RP2J			user input is selected - enter the measured		e level for each	time period (cells D	17 to D19)
Scenario name		Signage installati	inn		e same representative distance to the recei			anne penioa (cens b	11 10 0 10).
Receiver address		234 Newcastle Road			Y is selected - enter the representative dis		/		
Select area ground type		Developed settlements (urban an	id suburban areas)		N is selected - go to step #7			ADMINISTRAÇÃO	
Select type of background noise leve	el input	User Input			o (e.g. shallow excavation), select plant fro guantity for each selected plant in cells D28		list in cells A28	to A47 (e.g. dump tr	ucks + excava
		Section 100 months of the section 100 months			N is selected from step #6 - enter the dista		r each individua	I plant in cells F28 to	o F47
		Representative Noise Environment	User Input		e line of sight to receiver? select from drop				
Noise area category					mber lapped and capped fence, shipping co			ote that vegetation a	nd trees are no
	Day		55		el above background and/or noise mangem				
RBL or LA90 Background level (dB(A))	Evening		9. Identify and implement standard mitigation measures where feasible and reasonable. Include any shielding imp the selection in the 'ls there line of sight to receiver' drop-down list.						iemented as p
	Night		41		plement feasible and reasonable additiona		ures (see rows 6	63 to 65).	
	Day		65	11. Document a s	ummary report detailing:	-			
	Day (OOHW)		60		t description (including location, duration, h	ours of work, con	struction method	dology, plant, potent	tially impacted
Aeq(15minute) Noise mangement level (dB(A))	Evening		56		round noise levels. management levels .				
	Night		46		ted noise levels for each time period.				
	mgnt				disturbance affected distance for night work	S.			
all plant at the same representative distance to	to the receiver? Y/N	Ÿ.			ion measures. member responsible for implementing mitiga	ation measures a	nd managing no	ise and vibration.	
Representative distance (m)		75	All at Representative Dis	stance (Note that suitable	noise management levels for other noise-	sensitive busines	ses not identifie	d in the Construction	Noise Estima
			Contraction - Contraction (Contraction Contraction)						
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	1		No (behind substantial solid barrier)	0	-10	75	51
Light vehicles	95	70	1		No (behind substantial solid barrier)	0	-10	75	37
Truck (>20tonne)	106	81			No (behind substantial solid barrier)	0	-10		-888
Small Hand Tools	90	65	1		No (behind substantial solid barrier)	0	-10	75	32
					Yes	0	0		-888 -888
					Yes 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	1	-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888

g. +5 ha	and tools	3								
D-1-4				_		or oxumpros to map serior ino meno uron o			#	47.4- D40)
Project name Scenario name		RP2J		_		user input is selected - enter the measured e same representative distance to the recei			time period (cells D	17 to D19).
Receiver address		Signage installat 234 Newcastle Road				Y is selected - enter the representative dist				
Select area ground type		Developed settlements (urban an		_		N is selected - on to step #7	lance in cen 025.			
Select type of background noise let	val input	User Input	o suburban areas)	-		o (e.g. shallow excavation), select plant from	m the drop-down	list in cells A28	to A47 (e.g. dump tr	ucks + excavato
Scient type of background noise to	Crimput	Oser input			(a) enter of	quantity for each selected plant in cells D28	to D47.			
		Representative Noise Environment	User Input			N is selected from step #6 - enter the dista e line of sight to receiver? select from drop				
Noise area category	0				curtain, tir	mber lapped and capped fence, shipping co	ntainer, site office	e, etc. Please no		
	Dav		55			above background and/or noise mangeme			-000	
RBL or LA90 Background level (dB(A))	Evening		51			plement standard mitigation measures wher		asonable. Includ	le any shielding impl	emented as pa
	Night		41			e 'Is there line of sight to receiver' drop-dou plement feasible and reasonable additiona		uran (nan raws f	22 to 65)	
	Day		65	-		ipiement reasible and reasonable additiona ummary report detailing:	i iiiigauon meas	ures (see rows t	10 10 00).	
			60	-		t description (including location, duration, h	ours of work, con-	struction method	lology, plant, potent	ially impacted i
LAeg(15minute) Noise mangement level (dB(A))	Day (OOHW)		1.77	_	(b) background noise levels.					
	Evening		56	_		management levels .				
	Night		46			ted noise levels for each time period. disturbance affected distance for night work				
Representative distance (m.		21	All at Representative D	1 10 100	(Note that suitable	e noise management levels for other noise -	Quantity	ses not identifie	d in the Construction	Noise Estimate
Type/ model plant (See Sources Sheet)	SWL LAeq (dB(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))
Vacuum truck	109	84				No (behind substantial solid barrier)	0	-10		-888
Light vehicles	95	70	1			No (behind substantial solid barrier)	0	-10	21	50
Truck (>20tonne)	106	81				No (behind substantial solid barrier)	0	-10	-	-888
Small Hand Tools	90	65	1			No (behind substantial solid barrier)	0	-10	21	45
				-		Yes	0	0		-888 -888
				_		Yes	0	0		-888
				_		Yes Yes	0	0		-888
						Yes	0	0		-888
						Yes	0	0		-888
						Yes	0	0		-888
						Yes	0	0	 	-888
							U	U		
				_			0			-888
						Yes	0	0		
						Yes Yes	0	0		-888
						Yes	0			-888
						Yes Yes	0	0		
						Yes Yes Yes	0	0		-888 -888 -888
						Yes Yes Yes Yes	0 0 0 0	0 0 0 0 0 0		-888 -888 -888 -888
						Yes Yes Yes Yes Yes	0 0 0	0 0 0		-888 -888 -888

h. NML vac truck

Project name		RP2J		(b) where	user input is selected - enter the measured			time period (cells D	17 to D19).
Scenario name		Signage installati			e same representative distance to the receiv				
Receiver address		234 Newcastle Road			Y is selected - enter the representative dista	ance in cell C25.			
Select area ground type		Developed settlements (urban an	id suburban areas)		N is selected - go to step #7 io (e.g. shallow excavation), select plant from	the dree down	list in calls A20	to A 47 (o a dump to	ioko i ovozvato
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	icks + excavato
				(b) where	N is selected from step #6 - enter the distan	ice to receiver fo			
		Representative Noise Environment	User Input		e line of sight to receiver? select from drop d				
Noise area category					mber lapped and capped fence, shipping cor el above background and/or noise mangeme			ote that vegetation a	nd trees are not
	Day		55		plement standard mitigation measures where			le any shielding impl	emented as na
RBL or LA90 Background level (dB(A))	Evening		51		ne 'Is there line of sight to receiver' drop-dow		asonable. melat	ic any omerang impi	omented as pa
	Night		41	10. Identify and in	nplement feasible and reasonable additional		ures (see rows	63 to 65).	
	Day		65		ummary report detailing:				
	Day (OOHW)		60		t description (including location, duration, ho round noise levels.	urs of work, con	struction methor	dology, plant , potent	ially impacted r
Aeq(15minute) Noise mangement level (dB(A))	Evening		56		management levels				
	Night		46		ted noise levels for each time period.				
					disturbance affected distance for night works	5 .			
			1		ion measures.				
s all plant at the same representative distance t	to the receiver? Y/N	Y		(g) team	member responsible for implementing mitiga	tion measures a	ng managing no	ise and vibration.	
								SUPPLY IN THE STATE OF	0000 1210 5
December 1997		120	All of Dominion Andrew Distant	(Note that suitable	e noise management levels for other noise -s	ensitive husines	ses not identifie		
Representative distance (m)		130	All at Representative Distan	nce (Note that suitable	e noise management levels for other noise-s	ensitive busines	ses not identifie	d in the Construction	Noise Estimato
Representative distance (m)		130	All at Representative Distan		e noise management levels for other noise-s				-
Representative distance (m) Type/ model plant (See Sources Sheet)	SWL LAeq (dB(A))	130 SPL @7m (dB(A))	All at Representative Distan	Individual distance to receiver (m)	e noise management levels for other noise-s	Quantity correction	Shielding correction	Distance used in calculation (m)	Contribution SPL (dB(A))
	SWL LAeq (dB(A))		TO SECURITION OF THE SECURITIO	Individual distance to	1.51	Quantity	Shielding	Distance used in	Contribution
Type/ model plant (See Sources Sheet)		SPL @7m (dB(A))	Quantity	Individual distance 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))
Type/ model plant (See Sources Sheet) Vacuum truck	109	SPL @7m (dB(A))	Quantity 1	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)	Contribution SPL (dB(A)) 45
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles	109 95	SPL @7m (dB(A)) 84 70	Quantity 1	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 -10	Distance used in calculation (m)	Contribution SPL (dB(A)) 45 31 -888 31
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne)	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) Yes	Quantity correction (dBA) 0 0 0 0 0	Shielding correction (dBA) -10 -10 -10 -10 0	Distance used in calculation (m) 130 130	Contribution SPL (dB(A)) 45 31 -888 31 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne)	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) Yes Yes	Quantity correction (dBA) 0 0 0 0 0 0	Shielding correction (dBA) -10 -10 -10 -10 0 0	Distance used in calculation (m) 130 130	Contribution SPL (dB(A)) 45 31 -888 31 -888 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne)	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) Yes Yes Yes	Quantity correction (dBA) 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) 130 130	Contribution SPL (dB(A)) 45 31 -888 31 -888 -888 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne)	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) Yes Yes Yes Yes	Quantity correction (dBA) 0 0 0 0 0 0	Shielding correction (dBA) -10 -10 -10 -10 -10 0 0 0 0	Distance used in calculation (m) 130 130	Contribution SPL (dB(A)) 45 31 -888 31 -888 -888 -888 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne)	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) Yes Yes Yes Yes Yes Yes	Quantity correction (dBA) 0 0 0 0 0 0 0	Shielding correction (dBA) -10 -10 -10 -10 -0 0 0 0	Distance used in calculation (m) 130 130	Contribution SPL (dB(A)) 45 31 -888 31 -888 -888 -888 -888 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne)	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) Yes Yes Yes Yes Yes Yes Yes	Quantity correction (dBA) 0 0 0 0 0 0 0 0	Shielding correction (dBA) -10 -10 -10 -10 0 0 0 0 0 0	Distance used in calculation (m) 130 130	Contribution SPL (dB(A)) 45 31 -888 31 -888 -888 -888 -888 -888 -88
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne)	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) Yes Yes Yes Yes Yes Yes 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 0 0 0 0 0 0	Distance used in calculation (m) 130 130	Contribution SPL (dB(A)) 45 31 -888 31 -888 -888 -888 -888 -888 -88
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne)	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) 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 0 0 0 0 0 0 0	Distance used in calculation (m) 130 130	Contribution SPL (dB(A)) 45 31 -888 31 -888 -888 -888 -888 -888 -88
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne)	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 (beh	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 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Distance used in calculation (m) 130 130	Contribution SPL (dB(A)) 45 31 -888 31 -888 -888 -888 -888 -888 -88
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne)	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) 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 0 0 0 0 0 0 0	Distance used in calculation (m) 130 130	Contribution SPL (dB(A)) 45 31 -888 31 -888 -888 -888 -888 -888 -88
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne)	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 (beh	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 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Distance used in calculation (m) 130 130	Contribution SPL (dB(A)) 45 31 -888 31 -888 -888 -888 -888 -888 -88
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne)	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) 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 0 0 0 0 0 0 0 0 0 0 0 0	Distance used in calculation (m) 130 130	Contribution SPL (dB(A)) 45 31 -888 31 -888 -888 -888 -888 -888 -88
Type/ model plant (See Sources Sheet) Vacuum truck Liight vehicles Truck (>20tenne)	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) 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 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Distance used in calculation (m) 130 130	Contribution SPL (dB(A)) 45 31 -888 31 -888 -888 -888 -888 -888 -88
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne)	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) 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) 130 130	Contribution SPL (dB(A)) 45 31 -888 31 -888 -888 -888 -888 -888 -88
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne)	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) 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) 130 130	Contribution SPL (dB(A)) 45 31 -888 31 -888 -888 -888 -888 -888 -88

i. NML	hand to	ols							
Project name		RP2J			user input is selected - enter the measured		e level for each	time period (cells D	17 to D19)
Scenario name		Signage installat	ion		e same representative distance to the recei			anno penieu (eenie b	
Receiver address		234 New castle Road			Y is selected - enter the representative dist				
Select area ground type		Developed settlements (urban ar			N is selected - go to step #7				
Select type of background noise lev	rel input	User Input		For the scenar	io (e.g. shallow excavation), select plant from	n the drop-down	list in cells A28	to A47 (e.g. dump tr	ucks + excavator)
The Control of the Co	7.5	\$1	2		quantity for each selected plant in cells D28 N is selected from step #6 - enter the dista				
		Representative Noise Environment	User Input		e line of sight to receiver? select from drop				
Noise area category					mber lapped and capped fence, shipping co				
	Day		55	8. Identify the lev	el above background and/or noise mangeme	ent level (see row	s 57 to 62).	5	
RBL or LA90 Background level (dB(A))	Evening		51		plement standard mitigation measures wher		asonable. Includ	le any shielding impl	emented as part
C. Ende buengi outlie level (db(A))	Night		41		he 'Is there line of sight to receiver' drop-dov nplement feasible and reasonable additional		uron (non rouse)	22 to GE)	
	Day		65		npiement teasible and reasonable additional summary report detailing:	i iiiiugaiion meas	ures (see rows)	33 to 03).	
					et description (including location, duration, he	ours of work, con-	struction method	dology, plant , potent	ially impacted red
LAeg(15minute) Noise mangement level (dB(A))	Day (OOHW)		60	(b) backs	round noise levels.				3 3
	Evening		56		management levels .				
	Night		46		ted noise levels for each time period. disturbance affected distance for night work				
Representative distance (m) Representative distance (m) Type/ model plant (See Sources Sheet)		9 33 SPL @7m (dB(A))	All at Representative Distan		member responsible for implementing mitigate noise management levels for other noise	Quantity	Shielding correction		
Vacuum truck	109	84		10001101 (111)					
					No (habital and alexander)	(dBA)	(dBA)		000
Light vehicles Truck (>20tonne)	O.E.				No (behind substantial solid barrier)	0	-10	22	-888
Truck (>Z0tonne)	95	70	1		No (behind substantial solid barrier)	0	-10 -10	33	45
Small Hand Tools	106	70 81			No (behind substantial solid barrier) No (behind substantial solid barrier)	0 0	-10 -10 -10		45 -888
Small Hand Tools		70	1		No (behind substantial solid barrier) No (behind substantial solid barrier) No (behind substantial solid barrier)	0 0 0	-10 -10 -10 -10	33	45 -888 40
Small Hand Tools	106	70 81			No (behind substantial solid barrier) No (behind substantial solid barrier) No (behind substantial solid barrier) Yes	0 0 0 0	-10 -10 -10		45 -888 40 -888
Small Hand Tools	106	70 81			No (behind substantial solid barrier) No (behind substantial solid barrier) No (behind substantial solid barrier) Yes Yes	0 0 0	-10 -10 -10 -10 -10 0		45 -888 40 -888 -888
Small Hand Tools	106	70 81			No (behind substantial solid barrier) No (behind substantial solid barrier) No (behind substantial solid barrier) Yes	0 0 0 0 0	-10 -10 -10 -10 -10 0		45 -888 40 -888
Small Hand Tools	106	70 81			No (behind substantial solid barrier) No (behind substantial solid barrier) No (behind substantial solid barrier) Yes Yes Yes Yes	0 0 0 0 0 0	-10 -10 -10 -10 -10 0 0		45 -888 40 -888 -888 -888
Small Hand Tools	106	70 81			No (behind substantial solid barrier) No (behind substantial solid barrier) No (behind substantial solid barrier) Yes Yes Yes Yes Yes Yes Yes	0 0 0 0 0 0 0	-10 -10 -10 -10 -10 0 0 0		45 -888 40 -888 -888 -888 -888
Small Hand Tools	106	70 81			No (behind substantial solid barrier) No (behind substantial solid barrier) No (behind substantial solid barrier) Yes Yes Yes Yes Yes	0 0 0 0 0 0 0	-10 -10 -10 -10 -10 0 0 0 0		45 -888 40 -888 -888 -888 -888 -888
Small Hand Tools	106	70 81			No (behind substantial solid barrier) No (behind substantial solid barrier) No (behind substantial solid barrier) Yes Yes Yes Yes Yes Yes Yes Yes Yes	0 0 0 0 0 0 0 0 0	-10 -10 -10 -10 -10 0 0 0 0 0		45 -888 40 -888 -888 -888 -888 -888 -888
Small Hand Tools	106	70 81			No (behind substantial solid barrier) Yes	0 0 0 0 0 0 0 0 0 0 0	-10 -10 -10 -10 -10 0 0 0 0 0 0 0 0 0		45 -888 40 -888 -888 -888 -888 -888 -888 -
Small Hand Tools	106	70 81			No (behind substantial solid barrier) No (behind substantial solid barrier) No (behind substantial solid barrier) Yes	0 0 0 0 0 0 0 0 0 0 0	-10 -10 -10 -10 0 0 0 0 0 0 0 0 0 0 0 0		45 -888 -888 -888 -888 -888 -888 -888 -8
Small Hand Tools	106	70 81			No (behind substantial solid barrier) No (behind substantial solid barrier) No (behind substantial solid barrier) Yes	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-10 -10 -10 -10 -10 0 0 0 0 0 0 0 0 0 0		45 -888 40 -888 -888 -888 -888 -888 -888 -
Small Hand Tools	106	70 81			No (behind substantial solid barrier) No (behind substantial solid barrier) No (behind substantial solid barrier) Yes	0 0 0 0 0 0 0 0 0 0 0	-10 -10 -10 -10 0 0 0 0 0 0 0 0 0 0 0 0		45 -888 -888 -888 -888 -888 -888 -888 -8

3. Linemarking NCA4 R1231 (195 Newcastle Road Jesmond)

a. Worst case

Project name

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

Scenario name		Darriers and internation	y .
Receiver address			
Select area ground type		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		47
RBL or LA96 Background level (dB(A))	Evening		46
	Night		36
	Day		57
LAeg(15minute) Noise mangement level (dB(A))	Day (OOHW)		52
LANGE TO SE THANGE THE REVER (GD(A))	Evening		51
	Night		41

(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 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 it 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 recei
(b) background noise levels for each time period.
(c) 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 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	90	65	1		No (behind substantial solid barrier)	0	-10	55	35
Truck (>20tonne)	106	81	1		No (behind substantial solid barrier)	0	-10	55	51
Generator	95	70	1		No (behind substantial solid barrier)	0	-10	55	40
					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
Generator	103	78			No (behind substantial solid barrier)	0	-10		-888
Pneumatic Jackhammer	110	85			No (behind substantial solid barrier)	0	-10		-888
Mobile Crane	103	78			No (behind substantial solid barrier)	0	-10		-888
					No (behind substantial solid barrier)	0	-10		-888
Concrete saw	117	92	1		No (behind substantial solid barrier)	0	-10	55	62
					No (behind substantial solid barrier)	0	-10		-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
					No (behind substantial solid barrier)	0	-10		-888
					No (behind substantial solid barrier)	0	-10		-888
					Yes	0	0		-888
					Yes	0	0		-888

b. +25

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

Project name		RP2J	
Scenario name		Barriers and linemarkin	10
Receiver address		195 Newcastle Road - R	1231
Select area ground type		Developed settlements (urban and s	uburban areas)
Select type of background noise lev	el input	User Input	
		Danier antalia Nala Francisco	He and house
		Representative Noise Environment	User Input
Noise area category			
	Day		47
RBL or LA98 Background level (dB(A))	Evening		46
	Night		36
	Day		57

LAeq(15minute) Noise mangement level (dB(A))

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? or N (cell C24):
(a) where Y is selected — one step \$\frac{1}{2}\$ could be the representative distance in cell C25.
(b) where N is selected — one step \$\frac{1}{2}\$ could be the representative distance in cell C25.
(c) is there N is selected 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 \$\frac{1}{2}\$ center 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 is list neells P28 to P47. Solid barrier can be in the form of r oad curtain, timber lapped and capped fence, shipping container, site office, etc. Please note that vegetation and trees are not or its cells of the receiver? Selected from drop down is list neells P28 to P47. Solid barrier can be in the form of r oad curtain, timber lapped and capped fence, shipping container, site office, etc. Please note that vegetation and trees are not or its entire time of the properties of the cells of the cells

(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)	Contribution SPL (dB(A))
Vacuum truck	109	84			No (behind substantial solid barrier)	0	-10		-888
Light vehicles	90	65	1		No (behind substantial solid barrier)	0	-10	36	39
Truck (>20tonne)	106	81	1		No (behind substantial solid barrier)	0	-10	36	55
Generator	98	73	1		No (behind substantial solid barrier)	0	-10	36	47
					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
Generator	103	78			No (behind substantial solid barrier)	0	-10		-888
Pneumatic Jackhammer	110	85			No (behind substantial solid barrier)	0	-10		-888
Mobile Crane	95	70			No (behind substantial solid barrier)	0	-10		-888
					Yes	0	0		-888
concrete saw	117	92	1		No (behind substantial solid barrier)	0	-10	36	66
					No (behind substantial solid barrier)	0	-10		-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
					No (behind substantial solid barrier)	0	-10		-888
					No (behind substantial solid barrier)	0	-10		-888
					Yes	0	0		-888
					Yes	0	0		-888

Project name		RP2J		(b) where	user input is selected - enter the measured	background nois	se level for each	time period (cells D	17 to D19).
Scenario name		Barriers and linema	rking		ne same representative distance to the recei			time penea (cone a	
Receiver address		195 Newcastle Road			Y is selected - enter the representative dis				
Select area ground type		Developed settlements (urban an	d suburban areas)		N is selected - go to step #7				
Select type of background noise lev	el input	User Input	*		io (e.g. shallow excavation), select plant from		list in cells A28	to A47 (e.g. dump tr	ucks + excavato
					quantity for each selected plant in cells D28 N is selected from step #6 - enter the dista				F47
		Representative Noise Environment	User Input	(c) is the	e in is selected from step #6 - enter the dista re line of sight to receiver? select from drop	nce to receiver to down list in cells	F28 to F47 Sol	II piant in cells E∠o ti d harrier can he in th	e form of road a
Noise area category				curtain, ti	imber lapped and capped fence, shipping co	ntainer, site office	e, etc. Please n	ote that vegetation a	nd trees are not
	Day		47		el above background and/or noise mangeme				
RBL or LA90 Background level (dB(A))	Evening		46		plement standard mitigation measures wher		asonable. Inclu	le any shielding impl	emented as pa
	Night		36		he 'Is there line of sight to receiver' drop-dov nplement feasible and reasonable additiona		ures (see rows	63 to 65)	
	Day		57		summary report detailing:	gunon meas	(300 1345	00/.	
	Day (OOHW)		52		ct description (including location, duration, he	ours of work, con-	struction metho	dology, plant, potent	ially impacted in
Aeq(15minute) Noise mangement level (dB(A))	Evening		51		round noise levels.				
			41		management levels . cted noise levels for each time period.				
	Night		41		disturbance affected distance for night work	•			
		ie.			tion measures.				
s all plant at the same representative distance	to the receiver? Y/N	V			member responsible for implementing mitiga	ation measures a	nd managing no	ise and vibration.	
o an plant at the same representative distance	o mo recentor i m								
Representative distance (m)		110	All at Representative Dis	tance (Note that suitable	e noise management levels for other noise -	sensitive busines	ses not identifie	d in the Construction	NOISE ESTIMATE
Representative distance (m)		110	Individual distance to					d iii tile Collstruction	THOISE ESTIMATE
Representative distance (m) Type/ model plant (See Sources Sheet)	SWL LAeq (dB(A))	110 SPL @7m (dB(A))	All at Representative Dis		Is there line of sight to receiver? Y/N	Quantity correction	Shielding correction	Distance used in calculation (m)	
	SWL LAeq (dB(A))			Individual distance to		Quantity	Shielding	Distance used in	Contribution
Type/ model plant (See Sources Sheet) Vacuum truck		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)	Distance used in calculation (m)	Contribution SPL (dB(A))
Type/ model plant (See Sources Sheet)	109	SPL @7m (dB(A)) 84	Quantity	Individual distance to	Is there line of sight to receiver? Y/N	Quantity correction (dBA)	Shielding correction (dBA) -10	Distance used in calculation (m)	Contribution SPL (dB(A))
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles	109 103	SPL @7m (dB(A)) 84 78	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)	Contribution SPL (dB(A)) 47 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (<20tonne)	109 103 106	SPL @7m (dB(A)) 84 78 81	Quantity	Individual 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)	Contribution SPL (dB(A)) 47 -888 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (<20tonne)	109 103 106 103	SPL @7m (dB(A)) 84 78 81 78	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 -10 -10 -10 -10 0 -10	Distance used in calculation (m)	Contribution SPL (dB(A)) 47 -888 -888 -888 -888 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehindes Truck (c20tonne) Generator Light vehicles Truck (c20tonne)	109 103 106 103 103 106	SPL @7m (dB(A)) 84 78 61 78 78	Quantity	Individual 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	Shielding correction (dBA) -10 -10 -10 -10 -10 -10 -10 -10	Distance used in calculation (m)	Contribution SPL (dB(A)) 47 -888 -888 -888 -888 -888 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (<20tone) Generator Light vehicles	109 103 106 103 103 106 103	SPL @7m (dB(A)) 84 78 81 78 78 78	Quantity	Individual distance to	Is there line of sight to receiver? Y/N No (behind substantial solid barrier) Yes 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)	Contribution SPL (dB(A)) 47 -888 -888 -888 -888 -888 -888 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehindes Truck (>20tonne) Generator Light vehicles Truck (>20tonne)	109 103 106 103 103 106	SPL @7m (dB(A)) 84 78 61 78 61 78 61 78 61 85	Quantity	Individual 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	Shielding correction (dBA) -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	Distance used in calculation (m)	Contribution SPL (dB(A)) 47 -888 -888 -888 -888 -888 -888 -888 -
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (=20tonne) Generator Light vehicles Truck (=20tonne) Generator	109 103 106 103 103 106 103	SPL @7m (dB(A)) 84 78 81 78 78 78	Quantity	Individual distance to	Is there line of sight to receiver? Y/N 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)	Contribution SPL (dB(A)) 47 -888 -888 -888 -888 -888 -888 -888 -
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tense) Generator Light vehicles Truck (>20tense) Generator Puck (>20tense) Generator Pneumitc Jackhammer	109 103 106 103 103 106 103 110	SPL @7m (dB(A)) 84 78 61 78 61 78 61 78 61 85	Quantity	Individual 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	Shielding correction (dBA) -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	Distance used in calculation (m)	Contribution SPL (dB(A)) 47 -888 -888 -888 -888 -888 -888 -888 -
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tens) Generator Light vehicles Truck (>20tens) Generator Department Generator Pneumito Jackhammer	109 103 106 103 103 106 103 110	SPL @7m (dB(A)) 84 78 61 78 61 78 61 78 61 85	Quantity	Individual distance to	Is there line of sight to receiver? Y/N 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 -10	Distance used in calculation (m)	Contribution SPL (dB(A)) 47 -888 -888 -888 -888 -888 -888 -888 -
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne) Generator Poeumatic Jackhammer Mobile Crane	109 103 106 103 106 103 106 103 110 111	SPL @7m (dB(A)) 84 78 81 78 81 78 81 78 81 65 65	Quantity	Individual 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 0 0	Shielding correction (dBA) -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	Distance used in calculation (m)	Contribution SPL (dB(A)) 47 -888 -888 -888 -888 -888 -888 -888 -
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (-20tone) Generator Light vehicles Truck (-20tone) Generator Preuk (-20tone) Generator Preumatic Jackhammer Mobile Crane	109 103 106 103 106 103 106 103 110 111	SPL @7m (dB(A)) 84 78 81 78 81 78 81 78 81 65 65	Quantity	Individual distance to	Is there line of sight to receiver? Y/N No (behind substantial sold barrier) Yes No (behind substantial sold 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 -10	Distance used in calculation (m)	Contribution SPL (dB(A)) 47 -888 -888 -888 -888 -888 -888 -888 -
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (-20tone) Generator Light vehicles Truck (-20tone) Generator Preuk (-20tone) Generator Preumatic Jackhammer Mobile Crane	109 103 106 103 106 103 106 103 110 111	SPL @7m (dB(A)) 84 78 81 78 81 78 81 78 81 65 65	Quantity	Individual distance to	Is there line of sight to receiver? Y/N No (behind substantial solid barrier) Yes No (behind substantial solid barrier) No (behind substantial solid barrier) No (behind substantial 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 -10 -10 -10 -10 -10 -10 -10 -10	Distance used in calculation (m)	Contribution SPL (dB(A)) 47 -888 -888 -888 -888 -888 -888 -888 -
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (-20tone) Generator Light vehicles Truck (-20tone) Generator Preuk (-20tone) Generator Preumatic Jackhammer Mobile Crane	109 103 106 103 106 103 106 103 110 111	SPL @7m (dB(A)) 84 78 81 78 81 78 81 78 81 65 65	Quantity	Individual distance to	Is there line of sight to receiver? Y/N No (behind substantial solid barrier) Ves No (behind substantial 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 -10 -10 -10 -10 -10 -10 -10 -10	Distance used in calculation (m)	Contribution SPL (dB(A)) 47 -888 -888 -888 -888 -888 -888 -888 -
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (-20tone) Generator Light vehicles Truck (-20tone) Generator Preuk (-20tone) Generator Preumatic Jackhammer Mobile Crane	109 103 106 103 106 103 106 103 110 111	SPL @7m (dB(A)) 84 78 81 78 81 78 81 78 81 65 65	Quantity	Individual 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)	Contribution SPL (dB(A)) 47 -888 -888 -888 -888 -888 -888 -888 -
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (-20tone) Generator Light vehicles Truck (-20tone) Generator Preuk (-20tone) Generator Preumatic Jackhammer Mobile Crane	109 103 106 103 106 103 106 103 110 111	SPL @7m (dB(A)) 84 78 81 78 81 78 81 78 81 65 65	Quantity	Individual 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)	Contribution SPL (dB(A)) 47 -888 -888 -888 -888 -888 -888 -888 -
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (-20tone) Generator Light vehicles Truck (-20tone) Generator Preuk (-20tone) Generator Preumatic Jackhammer Mobile Crane	109 103 106 103 106 103 106 103 110 111	SPL @7m (dB(A)) 84 78 81 78 81 78 81 78 81 65 65	Quantity	Individual 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)	Contribution SPL (dB(A)) 47 -888 -888 -888 -888 -888 -888 -888 -

Total SPL L Aeq(15minute) (dB	(A))	56							
d. +5									
Project name		RP2J		(b) where	user input is selected - enter the measured	background nois	e level for each	time period (cells D	17 to D19).
Scenario name		Barriers and linema	arking	6. Is all plant at th	ne same representative distance to the recei	ver? Select Y or	N (cell C24):		
Receiver address		195 Newcastle Road			Y is selected - enter the representative dist	ance in cell C25.			
Select area ground type		Developed settlements (urban an	nd suburban areas)		e N is selected - go to step #7 io (e.g. shallow excavation), select plant from	- 46- 4 4	liet in celle ACC	to 647 (o o duma to	
Select type of background noise let	vel input	User Input		(a) enter	quantity for each selected plant in cells D28	to D47	list ili celis Azo	to A47 (e.g. dump in	ucks + excavator
		Representative Noise Environment	User Input	(b) where	N is selected from step #6 - enter the dista	nce to receiver fo			
Noise area category					imber lapped and capped fence, shipping co			ote that vegetation a	nd trees are not
	Day		47		el above background and/or noise mangeme				
RBL or LA90 Background level (dB(A))	Evening		46		plement standard mitigation measures wher he 'Is there line of sight to receiver' drop-dov		asonable. Includ	ie any snielding impl	emented as part
-	Night		36		ne is there line of sight to receiver drop-dov		ures (see rows f	63 to 65).	
	Day		57		summary report detailing:	guilon mous			
	Day (OOHW)		52		ct description (including location, duration, he	ours of work, con-	struction method	dology, plant, potent	tially impacted re
LAeq(15minute) Noise mangement level (dB(A))	Evening		51		ground noise levels.				
	Night		41		management levels . cted noise levels for each time period.				
	Might		41		disturbance affected distance for night work	S.			
Is all plant at the same representative distance	to the receiver? Y/N	V.		(a) team	member responsible for implementing mitiga	tion measures a	nd managing no		
Representative distance (m		250	All at Representative Distar	nce (Note that suitable	e noise management levels for other noise-s	sensitive busines	ses not identifie	d in the Construction	
Representative distance (m Type/ model plant (See Sources Sheet)			All at Representative Distar						
)	250		nce (Note that suitabl	e noise management levels for other noise -	Quantity	Shielding correction	d in the Construction	Contribution
Type/ model plant (See Sources Sheet)	SWL LAeq (dB(A)) 109 103	250 SPL @7m (dB(A))		nce (Note that suitabl	e noise management levels for other noise Is there line of sight to receiver? Y/N	Quantity correction (dBA)	Shielding correction (dBA)	Distance used in calculation (m)	Contribution SPL (dB(A)) -888 32
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tone)	SWL LAeq (dB(A)) 109 103 106	250 SPL @7m (dB(A)) 84 78 81	Quantity 1 1	nce (Note that suitabl	e noise management levels for other noise Is there line of sight to receiver? Y/N No (behind substantial sold barrier) No (behind substantial sold barrier) No (behind substantial sold barrier)	Quantity correction (dBA) 0 0 0	Shielding correction (dBA) -10 -10 -10	Distance used in calculation (m) 250 250	Contribution SPL (dB(A)) -888 32 35
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles	SWL LAeq (dB(A)) 109 103	250 SPL @7m (dB(A)) 84 78	Quantity 1	nce (Note that suitabl	e noise management levels for other noise 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)	Contribution SPL (dB(A)) -888 32 35 35
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne) Generator	SWL LAeq (dB(A)) 109 103 106 103	250 SPL @7m (dB(A)) 84 78 81 78	Quantity 1 1	nce (Note that suitabl	e noise management levels for other noise Is there line of sight to receiver? Y/N No (behind substantial solid barrier) Yes	Quantity correction (dBA) 0 0 0 0 0	Shielding correction (dBA) -10 -10 -10 -10 -10 0	Distance used in calculation (m) 250 250	Contribution SPL (dB(A)) -888 32 35 32 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne) Generator Light vehicles	SWL LAeq (dB(A)) 109 103 106 103	250 SPL @7m (dB(A)) 84 78 81 78	Quantity 1 1	nce (Note that suitabl	e noise management levels for other noise Is there line of sight to receiver? Y/N No (behind substantial solid barrier) Yes 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	Distance used in calculation (m) 250 250	Contribution SPL (dB(A)) -888 32 35 32 -888 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne)	SWL LAeq (dB(A)) 109 103 106 103 108	250 SPL @7m (dB(A)) 84 78 81 78 88	Quantity 1 1	nce (Note that suitabl	e noise management levels for other noise 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 -11 -10 -11 -10	Distance used in calculation (m) 250 250	Contribution SPL (dB(A)) -888 32 35 32 -888 -888 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tone) Generator Light vehicles Truck (>20tonne) Generator	SWL LAeq (dB(A)) 103 106 103 103 103 103 103	250 SPL @7m (dB(A)) 84 78 81 78 81 78 81 78	Quantity 1 1	nce (Note that suitabl	e noise management levels for other noise Is there line of sight to receiver? Y/N No (behind substantial solid barrier)	Quantity correction (dBA) 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) 250 250	Contribution SPL (dB(A)) -888 32 35 32 -888 -888 -888 -888
Type/ model plant (See Sources Sheet) Vacuum Truck Light vehicles Truck (>20tone) Generator Light vehicles Truck (>20tone) Generator Agenerator Generator Pneumatic Jackhammer	SWL LAcq (dB(A)) 109 103 106 103 108 108 1101 1101	250 SPL @7m (dB(A)) 84 78 81 78 81 78 81 81 81 88	Quantity 1 1	nce (Note that suitabl	e noise management levels for other noise 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	Shielding correction (dBA) -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	Distance used in calculation (m) 250 250	Contribution SPL (dB(A)) -888 32 35 32 -888 -888 -888 -888 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tone) Generator Light vehicles Truck (>20tonne) Generator	SWL LAeq (dB(A)) 103 106 103 103 103 103 103	250 SPL @7m (dB(A)) 84 78 81 78 81 78 81 78	Quantity 1 1	nce (Note that suitabl	e noise management levels for other noise - 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	Shielding correction (dBA) -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	Distance used in calculation (m) 250 250	Contribution SPL (dB(A)) -888 32 35 32 -888 -888 -888 -888 -888
Typei model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tone) Generator Light vehicles Truck (>20tone) Generator Peneumatic Jackhammer Mobile Crane	SWL LAeq (dB(A)) 109 103 106 103 108 109 1003 1101 1111	250 SPL @7m (dB(A)) 84 78 81 78 81 78 81 78 81 85 85	Guantity 1 1 1 1	nce (Note that suitabl	e noise management levels for other noise - is there line of sight to receiver? Y/N No (behnd substantial sold barrier)	Guantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0	Shelding correction (dBA) -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	d in the Construction Distance used in calculation (m) 250 250 250	Contribution SPL (dB(A)) -888 32 35 32 -888 -888 -888 -888 -888 -888 -888
Type/ model plant (See Sources Sheet) Vacuum fruck Light vehicles Truck (>20tone) Generator Light vehicles Truck (>20tone) Generator Agenerator Generator Generator Pneumatic Jackhammer	SWL LAcq (dB(A)) 109 103 106 103 108 108 1101 1101	250 SPL @7m (dB(A)) 84 78 81 78 81 78 81 81 81 88	Quantity 1 1	nce (Note that suitabl	e noise management levels for other noise - Is there line of sight to receiver? Y/N No (behind substantial solid barrier)	Guantity 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 -10 -10 -10 -10 -10 -10 -10 -10	Distance used in calculation (m) 250 250	Contribution SPL (dB(A)) -888 32 35 32 -888 -888 -888 -888 -888 -888 -888 46
Typei model plant (See Sources Sheet) Vacuum truck Light verlicles Truck (>20tone) Generator Light verlicles Truck (>20tone) Generator Generator Pneumatic Jackhammer Mobile Crane	SWL LAeq (dB(A)) 109 103 106 103 108 109 1003 1101 1111	250 SPL @7m (dB(A)) 84 78 81 78 81 78 81 78 81 85 85	Guantity 1 1 1 1	nce (Note that suitabl	e noise management levels for other noise - is there line of sight to receiver? Y/N No (behnd substantial sold barrier)	Guantity 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	d in the Construction Distance used in calculation (m) 250 250 250	Contribution SPL (dB(A)) -888 -888 -888 -888 -888 -888 -888 -
Typei model plant (See Sources Sheet) Vacuum truck Light verlicles Truck (>20tone) Generator Light verlicles Truck (>20tone) Generator Generator Pneumatic Jackhammer Mobile Crane	SWL LAeq (dB(A)) 109 103 106 103 108 109 1003 1101 1111	250 SPL @7m (dB(A)) 84 78 81 78 81 78 81 78 81 85 85	Guantity 1 1 1 1	nce (Note that suitabl	e noise management levels for other noise Is there line of sight to receiver? Y/N No (behind substantial sold barrier)	Sensitive busines 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	d in the Construction Distance used in calculation (m) 250 250 250	Contribution SPL (dB(A)) -888 32 35 32 -888 -888 -888 -888 -888 46 -888 -888
Typei model plant (See Sources Sheet) Vacuum truck Light verlicles Truck (>20tone) Generator Light verlicles Truck (>20tone) Generator Generator Pneumatic Jackhammer Mobile Crane	SWL LAeq (dB(A)) 109 103 106 103 108 109 1003 1101 1111	250 SPL @7m (dB(A)) 84 78 81 78 81 78 81 78 81 85 85	Guantity 1 1 1 1	nce (Note that suitabl	e noise management levels for other noise Is there line of sight to receiver? Y/N No (behind substantial sold barrier)	sensitive busines 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	d in the Construction Distance used in calculation (m) 250 250 250	Contribution SPL (dB(A)) -888 -888 -888 -888 -888 -888 -888 -
Typei model plant (See Sources Sheet) Vacuum truck Light verlicles Truck (>20tone) Generator Light verlicles Truck (>20tone) Generator Generator Pneumatic Jackhammer Mobile Crane	SWL LAeq (dB(A)) 109 103 106 103 108 109 1003 1101 1111	250 SPL @7m (dB(A)) 84 78 81 78 81 78 81 78 81 85 85	Guantity 1 1 1 1	nce (Note that suitabl	e noise management levels for other noise Is there line of sight to receiver? Y/N No (behind substantial solid barrier)	Quantity correction (dBA) Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0	ses not identified or correction (dBA) -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	d in the Construction Distance used in calculation (m) 250 250 250	Contribution SPL (dB(A)) -888 32 35 32 -888 -888 -888 -888 -888 -888 -888 -
Typei model plant (See Sources Sheet) Vacuum truck Light verlicles Truck (>20tone) Generator Light verlicles Truck (>20tone) Generator Generator Pneumatic Jackhammer Mobile Crane	SWL LAeq (dB(A)) 109 103 106 103 108 109 1003 1101 1111	250 SPL @7m (dB(A)) 84 78 81 78 81 78 81 78 81 85 85	Guantity 1 1 1 1	nce (Note that suitabl	e noise management levels for other noise Is there line of sight to receiver? Y/N No (behind substantial sold barrier)	sensitive busines 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	d in the Construction Distance used in calculation (m) 250 250 250	Contribution SPL (dB(A)) -888 -888 -888 -888 -888 -888 -888 -

e. NML

Project name		RP2J		(b) when	e user input is selected - enter the measured	background nois	se level for each	time period (cells D	17 to D19).
Scenario name		Barriers and linema	irking	6. Is all plant at t	he same representative distance to the recei-	ver? Select Y or			
Receiver address		195 Newcastle Road	- R1231		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		li-4 iII- 420	4- 6 47 / duma to	
Select type of background noise lev	rel input	User Input			rio (e.g. shallow excavation), select plant fror quantity for each selected plant in cells D28		IISI III CEIIS AZO	to A47 (e.g. dump tri	icks + excavai
				(b) when	e N is selected from step #6 - enter the dista	nce to receiver fo			
9		Representative Noise Environment	User Input		ere line of sight to receiver? select from drop of				
Noise area category					timber lapped and capped fence, shipping co vel above background and/or noise mangeme			ote that vegetation at	nd trees are no
	Day		47	9. Identify and in	nplement standard mitigation measures when	e feasible and re	asonable. Includ	le any shielding impl	emented as p
RBL or LA90 Background level (dB(A))	Evening		46		the 'Is there line of sight to receiver' drop-dov				
	Night		36		implement feasible and reasonable additional	I mitigation meas	ures (see rows	63 to 65).	
	Day		57		summary report detailing:	12 N		000 10 10 10 10	2000
(4F-1) Noise management level (dR(A))	Day (OOHW)		52		et description (including location, duration, he ground noise levels.	ours of work, con-	struction method	lology, plant, potent	ially impacted
eq(15minute) Noise mangement level (dB(A))	Evening		51	(c) noise					
	Night		41	(d) predi	icted noise levels for each time period.				
Night					disturbance affected distance for night work	S.			
all plant at the same representative distance	to the receiver? Y/N	Y			ation measures. member responsible for implementing mitiga	ation measures a	nd managing no	ise and vibration.	
Representative distance (m)		380	All at Representative Distan	ce (Note that suitab	le noise management levels for other noise-s	sensitive busines	ses not identifie	d in the Construction	Noise Estima
			The Court State Co						
		Individual distance to				Quantity	Shielding	△ 1015 × 6 1 / 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Contailention
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	correction	correction (dBA)	Distance used in calculation (m)	
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 (dBA)		
			Quantity 1			correction (dBA)	(dBA)		SPL (dB(A)
Vacuum truck	109	84	Quantity		No (behind substantial solid barrier)	correction (dBA)	(dBA) -10	calculation (m)	SPL (dB(A) -888
Vacuum truck Light vehicles	109 103	84 78	Quantity 1		No (behind substantial solid barrier) No (behind substantial solid barrier)	correction (dBA) 0 0 0	-10 -10 -10 -10 -10	calculation (m)	SPL (dB(A) -888 27 30 27
Vacuum truck Light vehicles Truck (>20tonne) Generator	109 103 106 103	84 78 81 78	Quantity 1 1		No (behind substantial solid barrier) Yes	0 0 0 0 0 0	-10 -10 -10 -10 -10 -0	calculation (m) 380 380	SPL (dB(A) -888 27 30 27 -888
Vacuum truck Light vehicles Truck (>20tonne) Generator Light vehicles	109 103 106 103	84 78 81 78	Quantity 1 1		No (behind substantial solid barrier) Yes No (behind substantial solid barrier)	0 0 0 0 0 0 0	(dBA) -10 -10 -10 -10 -10 -10 -10	calculation (m) 380 380	SPL (dB(A) -888 27 30 27 -888 -888
Vacuum truck Light vehicles Truck (>20tone) Generator Light vehicles Truck (>20tonne)	109 103 106 103 103 106	84 78 81 78 78	Quantity 1 1		No (behind substantial solid barrier) Yes No (behind substantial solid barrier) No (behind substantial solid barrier) No (behind substantial solid barrier)	0 0 0 0 0 0 0 0 0	(dBA) -10 -10 -10 -10 -10 -10 -10 -10	calculation (m) 380 380	SPL (dB(A) -888 27 30 27 -888 -888 -888
Vacuum truck Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne) Generator	109 103 106 103 103 106 103	84 78 81 78 78 78 61 78	Quantity 1 1		No (behind substantial solid barrier) Ves No (behind substantial solid barrier)	0 0 0 0 0 0 0 0 0 0	(dBA) -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	calculation (m) 380 380	SPL (dB(A) -888 27 30 27 -888 -888 -888 -888
Vacuum truck Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne) Generator Preumatic Jackhammer	109 103 106 103 103 106 103 110	84 78 81 78 78 78 81 78 81 88	Quantity 1 1		No (behind substantial solid barrier) Ves No (behind substantial solid barrier)	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	calculation (m) 380 380	SPL (dB(A) -888 27 30 27 -888 -888 -888 -888 -888
Vacuum truck Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne) Generator	109 103 106 103 103 106 103	84 78 81 78 78 78 61 78	Quantity 1 1		No (behind substantial solid barrier) Yes No (behind substantial solid barrier)	Correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0	(dBA) -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	calculation (m) 380 380	SPL (dB(A)) -888 27 30 27 -888 -888 -888 -888 -888 -888
Vacuum truck Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne) Generator Generator Pneumatic Jackhammer Mobile Crane	109 103 106 103 103 106 103 110 111	84 78 81 78 78 78 81 78 81 78 85	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	correction (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	380 380 380	SPL (dB(A)) -888 27 30 27 -888 -888 -888 -888 -888 -888 -888 -
Vacuum truck Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne) Generator Preumatic Jackhammer	109 103 106 103 103 106 103 110	84 78 81 78 78 78 81 78 81 88	Quantity 1 1		No (behind substantial solid barrier) Vea No (behind substantial solid barrier) No (behind substantial solid barrier) No (behind substantial solid barrier)	correction (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	calculation (m) 380 380	SPL (dB(A)) -888 27 30 27 -888 -888 -888 -888 -888 -888 -888 -
Vacuum truck Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne) Generator Pneumatic Jackhammer Mobile Crane	109 103 106 103 103 106 103 110 111	84 78 81 78 78 78 81 78 81 78 85	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)	correction (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	380 380 380	SPL (dB(A) -888 27 30 27 -888 -888 -888 -888 -888 -888 41 -888
Vacuum truck Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne) Generator Generator Pneumstic Jackhammer Mobile Crane	109 103 106 103 103 106 103 110 111	84 78 81 78 78 78 81 78 81 78 85	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		No (behind substantial solid barrier)	correction (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	380 380 380	SPL (dB(A) -888 27 30 27 -888 -888 -888 -888 -888 -888 -888 -
Vacuum truck Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne) Generator Generator Pneumatic Jackhammer Mobile Crane	109 103 106 103 103 106 103 110 111	84 78 81 78 78 78 81 78 81 78 85	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)	correction (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	380 380 380	SPL (dB(A)) -888 27 30 27 -888 -888 -888 -888 -888 -888 -888 -
Vacuum truck Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne) Generator Generator Pneumatic Jackhammer Mobile Crane	109 103 106 103 103 106 103 110 111	84 78 81 78 78 78 81 78 81 78 85	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		No (behind substantial solid barrier)	correction (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	380 380 380	SPL (dB(A)) -888 27 30 27 -888 -888 -888 -888 -888 -888 -888 -
Vacuum truck Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne) Generator Generator Pneumatic Jackhammer Mobile Crane	109 103 106 103 103 106 103 110 111	84 78 81 78 78 78 81 78 81 78 85	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)	correction (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	380 380 380	SPL (dB(A)) -888 27 30 27 -888 -888 -888 -888 -888 -888 -888 -
Vacuum truck Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne) Generator Generator Pneumstic Jackhammer Mobile Crane	109 103 106 103 103 106 103 110 111	84 78 81 78 78 78 81 78 81 78 85	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		No (behind substantial solid barrier) Ves No (behind substantial solid barrier)	correction (dBA) (dBA)	(dBA) -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	380 380 380	SPL (dB(A)) -888 27 30 27 -888 -888 -888 -888 -888 -888 -888 -
Vacuum truck Light vehicles Truck (~20tone) Generator Light vehicles Truck (~20tone) Generator Pneumatic Jackhammer Mobile Crane	109 103 106 103 103 106 103 110 111	84 78 81 78 78 78 81 78 81 78 85	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		No (behind substantial solid barrier)	correction (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	380 380 380	SPL (dB(A)) -888 -888 -888 -888 -888 -888 -888 -

Project name		RP2J		(b) where	user input is selected - enter the measured	background nois	e level for each	time period (cells D1	17 to D19).		
Scenario name		Barriers and linema	rking		e same representative distance to the receiv		N (cell C24):				
Receiver address		234 Newcastle Road			Y is selected - enter the representative dist	ance in cell C25.					
Select area ground type		Developed settlements (urban an	d suburban areas)	(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 + excavation).							
Select type of background noise le	vel input	User Input			quantity for each selected plant in cells D28		iist iii ceiis Azo	to A47 (e.g. dump in	JUNS + EXCAVAIL		
		Representative Noise Environment	User Input		N is selected from step #6 - enter the distar						
Noise area category					mber lapped and capped fence, shipping co						
	Day		55		el above background and/or noise mangeme			5			
RBL or LA90 Background level (dB(A))	Evening		51		plement standard mitigation measures where		asonable. Includ	le any shielding imple	emented as pa		
	Night		41		he 'Is there line of sight to receiver' drop-down		ires (see rows (33 to 65)			
	Day		65		summary report detailing:	magaaon meas	aica (acc iona i	35 10 05).			
	Day (OOHW)		60		t description (including location, duration, ho	urs of work, con-	struction method	dology, plant, potenti	ially impacted i		
Aeq(15minute) Noise mangement level (dB(A))	Evening		56		round noise levels. management levels.						
	Night		46		ted noise levels for each time period.						
	Might	L	10		disturbance affected distance for night works	s.					
s all plant at the same representative distance	to the receiver? Y/N	Y			(f) mitigation measures.					ise and vibration.	
Representative distance (m)	55	All at Representative Distance	(Note that suitable	e noise management levels for other noise-s	ensitive busines	ses not identifie	d in the Construction	Noise Estima t		
	SWL LAeg (dB(A))	SPL @7m (dB(A))	Quantity	lividual distance to		Quantity	Shielding	Distance used in	Contribution		
Type/ model plant (See Sources Sheet)	SWL LANG (GD(A))	SPE (W/M (db(A))	Quantity	receiver (m)	Is there line of sight to receiver? Y/N	correction (dBA)	correction (dBA)	calculation (m)	SPL (dB(A))		
Type/ model plant (See Sources Sheet) Vacuum truck	109	84	Quantity	receiver (m)	Is there line of sight to receiver? Y/N No (behind solid barrier)			calculation (m)	SPL (dB(A)) -888		
	109 103		Quantity 1	receiver (m)		(dBA)	(dBA)	55	-888 53		
Vacuum truck Light vehicles Truck (>20tonne)	109 103 106	84 78 81	1 1	receiver (m)	No (behind solid barrier)	(dBA) 0 0	(dBA) -5 -5 -5	55 55	-888 53 56		
Vacuum truck Light vehicles	109 103	84 78	1	receiver (m)	No (behind solid barrier) No (behind solid barrier) No (behind solid barrier) No (behind solid barrier)	(dBA) 0 0 0 0	(dBA) -5 -5 -5 -5	55	-888 53 56 53		
Vacuum truck Light vehicles Truck (>20tonne) Generator	109 103 106 103	84 78 81 78	1 1	receiver (m)	No (behind solid barrier)	(dBA) 0 0 0 0 0	-5 -5 -5 -5 -5 -5	55 55	-888 53 56 53 -888		
Vacuum truck Light vehicles Truck (-20tonne) Generator Light vehicles	109 103 106 103	84 78 81 78	1 1	receiver (m)	No (behind solid barrier)	(dBA) 0 0 0 0 0 0	(dBA) -5 -5 -5 -5 -5 -5	55 55	-888 53 56 53 -888 -888		
Vacuum truck Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne)	109 103 106 103 103 106	84 78 81 78 78	1 1	receiver (m)	No (behind solid barrier)	(dBA) 0 0 0 0 0 0 0	(dBA) -5 -5 -5 -5 -5 -5 -5	55 55	-888 53 56 53 -888 -888 -888		
Vacuum truck Light vehicles Truck (>20tone) Generator Light vehicles Truck (>20tone) Generator	109 103 106 103 103 106 103	84 78 81 76 78 78 61 78	1 1	receiver (m)	Ito (behind solid barrier) No (behind solid barrier)	(dBA) 0 0 0 0 0 0 0 0	(dBA) -5 -5 -5 -5 -5 -5 -5 -5 -5 -5	55 55	-888 53 56 53 -888 -888 -888		
Vacuum truck Light vehicles Truck (20tonne) Generator Light vehicles Truck (20tonne) Generator Pneumatis Jackhammer	109 103 106 103 103 106 103 110	84 78 81 78 78 81 78 81 81 85	1 1	receiver (m)	No (behind sold barrier)	(dBA) 0 0 0 0 0 0 0	(dBA) -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5	55 55	-888 53 56 53 -888 -888 -888 -888		
Vacuum truck Light vehicles Truck (~Zitonne) Generator Light vehicles Truck (~Zitonne) Generator	109 103 106 103 103 106 103	84 78 81 76 78 78 61 78	1 1	receiver (m)	No Dehad sold barrier) No Ceshind sold barrier)	(dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	(dBA) -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5	55 55	-888 53 56 53 -888 -888 -888 -888 -888		
Vacuum truck Light vehicles Truck (20tonne) Generator Light vehicles Truck (20tonne) Generator Pneumatis Jackhammer	109 103 106 103 103 106 103 110	84 78 81 78 78 81 78 81 81 85	1 1	receiver (m)	No (behind sold barrier)	(dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	(dBA) -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5	55 55	-888 53 56 53 -888 -888 -888 -888		

Project name		RP2J		(b) wher	e user input is selected - enter the measured	background nois	se level for each	i time perioa (cells D	17 to D19).
Scenario name		Barriers and linema	irking		he same representative distance to the receiv		N (cell C24):		
Receiver address		234 New castle Road	R1466		e Y is selected - enter the representative dist	ance 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 leve	el input	User Input	-40		rio (e.g. shallow excavation), select plant from		list in cells A28	to A47 (e.g. dump tr	ucks + excavat
					quantity for each selected plant in cells D28 e N is selected from step #6 - enter the dista		e anab individua	al plant in cells E29 t	E 47
		Representative Noise Environment	User Input		re line of sight to receiver? select from drop o				
Noise area category					imber lapped and capped fence, shipping co				
Y .	Day		55		el above background and/or noise mangeme				
RBL or LA90 Background level (dB(A))	Evening		51		plement standard mitigation measures when		asonable. Includ	de any shielding impl	emented as pa
NOC OF ETHOU DURING FOUND (40)(11)	Night		41		the 'Is there line of sight to receiver' drop-dov		uraa (aaa rawa	02 to 05\	
	40.00		65	10. Identify and implement feasible and reasonable additional mitigation measures (see rows 63 to 65). 11. Document a summary report detailing:					
	Day	-			ct description (including location, duration, ho	ours of work, con-	struction method	dology, plant, potent	ially impacted
eq(15minute) Noise mangement level (dB(A))	Day (OOHW)		60		ground noise levels.				•
	Evening		56		management levels .				
	Night		46		cted noise levels for each time period. disturbance affected distance for night work	_			
II plant at the same representative distance to the receiver? Y/		Y (0.000	member responsible for implementing mitiga				
Representative distance (m)		40	All at Representative Dis	stance (Note that suitab	le noise management levels for other noise-s	sensitive busines	ses not identifie	d in the Construction	Noise Estima
		40	All at Representative Dis	stance (Note that suitab	le noise management levels for other noise -			d in the Construction	Noise Estima
Representative distance (m) Type/ model plant (See Sources Sheet)	SWL LAeq (dB(A))	40 SPL @7m (dB(A))	All at Representative Dis	Individual distance to receiver (m)	le noise management levels for other noise -s Is there line of sight to receiver? Y/N	Quantity correction (dBA)	Shielding correction (dBA)	Distance used in calculation (m)	Contribution SPL (dB(A))
	SWL LAeq (dB(A))			Individual distance to		Quantity correction	Shielding correction	Distance used in	Contribution
Type/ model plant (See Sources Sheet)		SPL @7m (dB(A))		Individual distance to	Is there line of sight to receiver? Y/N	Quantity correction (dBA)	Shielding correction (dBA)	Distance used in	Contribution SPL (dB(A))
Type/ model plant (See Sources Sheet) Vacuum truck	109	SPL @7m (dB(A))	Quantity	Individual distance to	Is there line of sight to receiver? Y/N No (behind solid barrier)	Quantity correction (dBA)	Shielding correction (dBA)	Distance used in calculation (m)	Contributio SPL (dB(A)
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles	109 103	SPL @7m (dB(A)) 84 78	Quantity 1	Individual distance to	Is there line of sight to receiver? Y/N No (behind solid barrier) No (behind solid barrier)	Quantity correction (dBA) 0	Shielding correction (dBA) -5 -5	Distance used in calculation (m)	Contributio SPL (dB(A) -888 56
Type/ model plant (See Sources Sheet) Vacuum fruck Light vehicles Truck (>20tonne)	109 103 106 98	SPL @7m (dB(A)) 84 78 81 73	Quantity 1	Individual distance to	Is there line of sight to receiver? Y/N No (behind solid barrier) No (behind solid barrier) No (behind solid barrier)	Quantity correction (dBA) 0 0	Shielding correction (dBA) -5 -5 -5 -5 -5	Distance used in calculation (m) 40 40	Contributio SPL (dB(A) -888 56 59 51 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tone) Generator Light vehicles	109 103 106 98	SPL@7m (dB(A)) 84 78 81 73	Quantity 1	Individual distance to	Is there line of sight to receiver? Y/N No (behind solid barrier)	Quantity correction (dBA) 0 0 0 0 0	Shielding correction (dBA) -5 -5 -5 -5 -5 -5 -5	Distance used in calculation (m) 40 40	Contributio SPL (dB(A) -888 56 59 51 -888 -888
Type/ model plant (See Sources Sheet) Vacuum fruck Light vehicles Truck (>200nne) Generator Light vehicles Truck (>200nne)	109 103 106 98 103 106	SPL @7m (dB(A)) 84 78 81 73 78 81	Quantity 1	Individual distance to	Is there line of sight to receiver? Y/N No (behind sold barrier)	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA) -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5	Distance used in calculation (m) 40 40	Contributio SPL (dB(A) -888 -56 -59 -51 -888 -888 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne) Generator	109 103 106 98 103 106 103	SPL @7m (dB(A)) 84 78 81 73 78 81 778	Quantity 1	Individual distance to	Is there line of sight to receiver? Y/N No (behind solid barrier)	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA) -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5	Distance used in calculation (m) 40 40	Contributio SPL (dB(A) -888 56 59 51 -888 -888 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20onne) Generator Light vehicles Truck (>20onne) Generator Generator Poeumstei Jackhammer	109 103 106 98 103 106 103 110	SPL @7m (dB(A)) 84 78 81 73 78 81 78 81 81 88	Quantity 1	Individual distance to	Is there line of sight to receiver? Y/N No (behind solid barrier)	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA) -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5	Distance used in calculation (m) 40 40	Contributio SPL (dB(A) -888 -56 -59 -51 -888 -888 -888 -888 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne) Generator	109 103 106 98 103 106 103	SPL @7m (dB(A)) 84 78 81 73 78 81 778	Quantity 1	Individual distance to	Is there line of sight to receiver? Y/N No (behind solid barrier)	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA) -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5	Distance used in calculation (m) 40 40	Contributio SPL (dB(A) -888 -56 -59 -51 -888 -888 -888 -888 -888 -888 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20onne) Generator Light vehicles Truck (>20onne) Generator Generator Poeumstei Jackhammer	109 103 106 98 103 106 103 110	SPL @7m (dB(A)) 84 78 81 73 78 81 78 81 81 81 81 81	Quantity 1	Individual distance to	Is there line of sight to receiver? Y/N No (behind solid barrier)	Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA) -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5	Distance used in calculation (m) 40 40	Contributio SPL (dB(A) -888 -56 -59 -51 -888 -888 -888 -888 -888
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Project name		RP2J			user input is selected - enter the measured			time period (cells D	17 to D19).
Scenario name		Barriers and linema	arking		e same representative distance to the recei				
Receiver address		234 Newcastle Road	R1466		Y is selected - enter the representative dist	tance in cell C25			
Select area ground type		Developed settlements (urban ar	nd suburban areas)		N is selected - go to step #7				
Select type of background noise lev	el input	User Input			o (e.g. shallow excavation), select plant from		list in cells A28	to A47 (e.g. dump tru	ucks + exca
					quantity for each selected plant in cells D28				
	31	Representative Noise Environment	User Input		N is selected from step #6 - enter the dista				
Main a service d		Representative Holse Environment	oser input		e line of sight to receiver? select from drop				
Noise area category					mber lapped and capped fence, shipping co of above background and/or noise mangement			ole inat vegetation ar	nu trees are
	Day		55		el above background and/or noise mangeme plement standard mitigation measures wher			le any chielding impl	amented as
RBL or LA90 Background level (dB(A))	Evening		51		nement standard mitigation measures where ie 'Is there line of sight to receiver' drop-dov		asonable, inclu	re any smeramy impi	omenicu as
	Night		41		ie is there line of sight to receiver drop-dov iplement feasible and reasonable additional		urae (eaa rows	83 to 65)	
				11 Document and in	ipiement leasible and reasonable additional ummary report detailing:	i imaganon meas	ures (SEE TOWS)	03 to 03).	
	Day	4	65		t description (including location, duration, he	nure of work con	etruction method	dology plant potent	ially impacts
	Day (OOHW)		60		round noise levels.	buis of work, con	Sudction method	Joiogy, plant, potent	нану ппраси
s de la Naira manamant la del del (del AN)									
Aeq(15minute) Noise mangement level (dB(A))			56		management levels				
Aeq(15minute) Noise mangement level (dB(A))	Evening		56	(c) noise	management levels .				
.Aeq(15minute) Noise mangement level (dB(A))			56 46	(c) noise (d) predic	ted noise levels for each time period.	•			
.Aeq(15minute) Noise mangement level (dB(A))	Evening			(c) noise (d) predic (e) sleep	ted noise levels for each time period. disturbance affected distance for night work	s.			
Aeq(15minute) Noise mangement level (dB(A))	Evening Night	Ϋ́		(c) noise (d) predic (e) sleep (f) mitigat	ted noise levels for each time period.		nd managing no	ise and vibration.	
s all plant at the same representative distance	Evening Night to the receiver? Y/N	Y 65	46	(c) noise (d) predic (e) sleep (f) mitigat (g) team	ted noise levels for each time period. disturbance affected distance for night work ion measures.	ation measures a			ı Noise Estim
	Evening Night to the receiver? Y/N			(c) noise (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	ation measures a	ses not identifie		ı Noise Estim
s all plant at the same representative distance	Evening Night to the receiver? Y/N		46	(c) noise (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	ation measures a sensitive busines Quantity correction			
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all plant at the same representative distance: Representative distance (m) Type/ model plant (See Sources Sheet) Vacuum truck	Evening Night to the receiver? Y/N SWL LAeq (dB(A))	65 SPL @7m (dB(A)) 84	46 All at Representative Dist	(c) noise (d) predic (e) sleep (f) mitigat (g) team t tance (Note that suitable	ted noise levels for each time period. disturbance affected distance for night work on measures. member responsible for implementing miliga- noise management levels for other noise - Is there line of sight to receiver? Y/N No (behind substantial solid barrier)	Quantity correction (dBA)	Shielding correction (dBA)	Distance used in calculation (m)	Contribution SPL (dB(A
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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)) 109 103 106	65 SPL@7m (dB(A)) 84 78 81	All at Representative Dist Quantity 1 1	(c) noise (d) predic (e) sleep (f) mitigat (g) team t tance (Note that suitable	ted noise levels for each time period. disturbance affected distance for night work on measures. member responsible for implementing miligat noise management levels for other noise is there line of sight to receiver? Y/N No (behind substantial sold barrier)	Quantity correction (dBA)	Shielding correction (dBA) -10 -10 -10	Distance used in calculation (m)	Contributi SPL (dB(A -888 47 50
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)) 109 103	65 SPL @7m (dB(A)) 84 78	All at Representative Dist	(c) noise (d) predic (e) sleep (f) mitigat (g) team t tance (Note that suitable	ted noise levels for each time period. disturbance affected distance for night work on measures. enoise management levels for other noise - noise management levels for other noise - to noise - to noise management levels for other noise - to	Quantity correction (dBA) 0 0 0	Shielding correction (dBA) -10 -10 -10 -10 -10	Distance used in calculation (m)	Contributi SPL (dB(A -888 47 50 47
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all plant at the same representative distance (m) Type/ model plant (See Sources Sheet) Vacuum fruck Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne) Generator Prevented Prevented Prevented Mobile Crane	Evening Night Night to the receiver? Y/N to the receiver? Y/N SWL Laeq (dB(A)) 109 103 106 109 103 101 101 101 111 111 111 111 111 111	65 SPL @7m (dB(A)) 84 78 81 78 81 78 81 78 81 85 85	All at Representative Disi Quantity 1 1 1 1	(c) noise (d) predic (e) sleep (f) mitigat (g) team t tance (Note that suitable	led noise levels for each time period. disturbance affected distance for night work on measures. member responsible for implementing mitigation only the properties of the pro	ation measures a sensitive business sensitive business (dBA)	Shielding correction (dBA) -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	d in the Construction Distance used in calculation (m) 65 65 65	Contribut SPL (dB(-888 47 50 47 -888 -888 -888 -888 -888 -888 -888 -
all plant at the same representative distance (m) Type/ model plant (See Sources Sheet) Vacuum fruck Light vehicles Truck (>20onne) Generator Light vehicles Truck (>20onne) Generator Pneumatic Jackhammer Mobile Crane	Evening Night Night to the receiver? Y/N SWL Laeq (dB(A)) 109 103 106 103 103 101 101 111 111	65 SPL @7m (dB(A)) 84 78 81 78 81 78 81 78 81 85 85	All at Representative Disi Quantity 1 1 1 1	(c) noise (d) predic (e) sleep (f) mitigat (g) team t tance (Note that suitable	ted noise levels for each time period. disturbance affected distance for night work on measures. member responsible for implementing mitigate on oise management levels for other noise-one of the model of the mod	ation measures a Quantity correction (d8A) 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	d in the Construction Distance used in calculation (m) 65 65 65	Contribut SPL (dB/, -888 47 50 47 888 -888 -888 -888 -888 -888 -888 -8
all plant at the same representative distance (m) Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20bone) Generator Light vehicles Truck (>20bone) Generator Preumatic Jackhammer Mobile Crane	Evening Night Night to the receiver? Y/N SWL Laeq (dB(A)) 109 103 106 103 103 101 101 111 111	65 SPL @7m (dB(A)) 84 78 81 78 81 78 81 78 81 85 85	All at Representative Disi Quantity 1 1 1 1	(c) noise (d) predic (e) sleep (f) mitigat (g) team t tance (Note that suitable	led noise levels for each time period. disturbance affected distance for night work on measures. member responsible for implementing mitigaten onise management levels for other noise- lis there line of sight to receiver? Y/N No (behind substantial sold barrier) Yes No (behind substantial sold barrier) Yes Yes Yes Yes Yes Yes	ation measures a constitue business sensitive correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ses not identifies (dBA) Shielding correction (dBA) -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	d in the Construction Distance used in calculation (m) 65 65 65	Contribut SPL (dB() -888 47 50 47 -888 -888 -888 -888 -888 -888 -888 -
all plant at the same representative distance (m) Type/ model plant (See Sources Sheet) Vacuum fruck Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne) Generator Prevented Prevented Prevented Mobile Crane	Evening Night Night to the receiver? Y/N SWL Laeq (dB(A)) 109 103 106 103 103 101 101 111 111	65 SPL @7m (dB(A)) 84 78 81 78 81 78 81 78 81 85 85	All at Representative Disi Quantity 1 1 1 1	(c) noise (d) predic (e) sleep (f) mitigat (g) team t tance (Note that suitable	led noise levels for each time period. disturbance affected distance for night work on measures. member responsible for implementing mitigate on oise management levels for other noise-in the member responsible for implementing mitigate on oise management levels for other noise-in the member responsible for implementing mitigate on oise and other levels. No (behind substantial solid barrier) Ves Yes Yes Yes Yes Yes Yes Yes	ation measures a 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)	d in the Construction Distance used in calculation (m) 65 65 65	Contribut \$PL (dB() -888 47 50 50 -888 -8
all plant at the same representative distance (m) Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20bone) Generator Light vehicles Truck (>20bone) Generator Preumatic Jackhammer Mobile Crane	Evening Night Night to the receiver? Y/N SWL Laeq (dB(A)) 109 103 106 103 103 101 101 111 111	65 SPL @7m (dB(A)) 84 78 81 78 81 78 81 78 81 85 85	All at Representative Disi Quantity 1 1 1 1	(c) noise (d) predic (e) sleep (f) mitigat (g) team t tance (Note that suitable	led noise levels for each time period. disturbance affected distance for night work on measures. member responsible for implementing mitigate on oise management levels for other noise of the noise o	ation measures a Cuantity correction (dBA) Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0	ses not identifies (disk) Shielding correction (disk) -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	d in the Construction Distance used in calculation (m) 65 65 65	Contribut SPL (dB(, -688 47 50 47 -688 -888 -888 -888 -888 -888 -888 -888 -888 -888 -888 -888 -888 -888
all plant at the same representative distance (m) Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20bone) Generator Light vehicles Truck (>20bone) Generator Preumatic Jackhammer Mobile Crane	Evening Night Night to the receiver? Y/N SWL Laeq (dB(A)) 109 103 106 103 103 101 101 111 111	65 SPL @7m (dB(A)) 84 78 81 78 81 78 81 78 81 85 85	All at Representative Disi Quantity 1 1 1 1	(c) noise (d) predic (e) sleep (f) mitigat (g) team t tance (Note that suitable	led noise levels for each time period. disturbance affected distance for night work on measures. member responsible for implementing mitigate on oise management levels for other noise-in the member responsible for implementing mitigate on oise management levels for other noise-in the member responsible for implementing mitigate on oise and other levels. No (behind substantial solid barrier) Ves Yes Yes Yes Yes Yes Yes Yes	ation measures a 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)	d in the Construction Distance used in calculation (m) 65 65 65	Contribut SPL (dB(/ -888 47 50 -888 -888 -888 -888 -888 -888 -888 -
all plant at the same representative distance (m) Type/ model plant (See Sources Sheet) Vacuum fruck Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne) Generator Prevented Prevented Prevented Mobile Crane	Evening Night Night to the receiver? Y/N SWL Laeq (dB(A)) 109 103 106 103 103 101 101 111 111	65 SPL @7m (dB(A)) 84 78 81 78 81 78 81 78 81 85 85	All at Representative Disi Quantity 1 1 1 1	(c) noise (d) predic (e) sleep (f) mitigat (g) team t tance (Note that suitable	led noise levels for each time period. disturbance affected distance for night work on measures. member responsible for implementing mitigate on oise management levels for other noise of the noise o	ation measures a Cuantity correction (dBA) Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0	ses not identifies (disk) Shielding correction (disk) -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	d in the Construction Distance used in calculation (m) 65 65 65	Contribut SPL (dBC) -688 47 50 47 -688 -888 -888 -888 -888 -888 -888 -88
all plant at the same representative distance (m) Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20bone) Generator Light vehicles Truck (>20bone) Generator Preumatic Jackhammer Mobile Crane	Evening Night Night to the receiver? Y/N SWL Laeq (dB(A)) 109 103 106 103 103 101 101 111 111	65 SPL @7m (dB(A)) 84 78 81 78 81 78 81 78 81 85 85	All at Representative Disi Quantity 1 1 1 1	(c) noise (d) predic (e) sleep (f) mitigat (g) team t tance (Note that suitable	led noise levels for each time period. disturbance affected distance for night work on measures. member responsible for implementing mitigate on oise management levels for other noise of the noise o	ation measures a Cuantity correction (dBA) Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0	ses not identifies (disk) Shielding correction (disk) -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	d in the Construction Distance used in calculation (m) 65 65 65	Contribus SPL (dB) -888 47 50 47 -888 -888 -888 -888 -888 -888 -888 -
Representative distance (m) Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (<20tene) Generator Light vehicles Truck (<20tene) Generator Pleumited (<20tene) Generator Model (<20tene) Generator Model (<20tene) Generator Pleumited (<20tene) Model (<20tene) Generator Pleumited (<20tene)	Evening Night to the receiver? Y/N to the receiver? Y/N 109 103 106 103 106 103 110 1111 1117	65 SPL @7m (dB(A)) 84 78 81 78 81 78 81 78 81 85 85	All at Representative Disi Quantity 1 1 1 1	(c) noise (d) predic (e) sleep (f) mitigat (g) team t tance (Note that suitable	led noise levels for each time period. disturbance affected distance for night work on measures. member responsible for implementing mitigate on oise management levels for other noise of the noise o	ation measures a Cuantity correction (dBA) Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0	ses not identifies (disk) Shielding correction (disk) -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	d in the Construction Distance used in calculation (m) 65 65 65	Contribus SPL (d88 -888 47 50 47 -888 -888 -888 -888 -888 -888 -888 -

Project name		RP2J			e user input is selected - enter the measured		se level for each	h time period (cells D	17 to D19).
Scenario name		Barriers and linema			ne same representative distance to the recei				
Receiver address		234 Newcastle Road	R1466		Y is selected - enter the representative dist	tance in cell C25			
Select area ground type		Developed settlements (urban an	nd suburban areas)		N is selected - go to step #7				
Select type of background noise lev	el input	User Input			io (e.g. shallow excavation), select plant froi quantity for each selected plant in cells D28		list in cells A28	to A47 (e.g. dump tr	ucks + excava
		T			e N is selected from step #6 - enter the dista		or each individu	al plant in cells F28 t	o F47
		Representative Noise Environment	User Input		re line of sight to receiver? select from drop				
Noise area category					imber lapped and capped fence, shipping co			ote that vegetation a	nd trees are no
7-2-1	Day		55		el above background and/or noise mangeme			de les deletates les e	
RBL or LA90 Background level (dB(A))	Evening		51		plement standard mitigation measures wher he 'Is there line of sight to receiver' drop-dov		asonable. Inclu	de any snielding imp	temented as pa
Carrier Control Services Control Control	Night		41		mplement feasible and reasonable additiona		ures (see rows	63 to 65)	
	Day		65		summary report detailing:	ii iiiiagaaoii iiioac	0001000	00 10 00).	
	Day (OOHW)		60		ct description (including location, duration, he	ours of work, con	struction metho	dology, plant, poten	tially impacted
Aeq(15minute) Noise mangement level (dB(A))	The second secon		56		ground noise levels.				
	Evening		46		management levels . cted noise levels for each time period.				
	Night		46		disturbance affected distance for night work	re			
			1						
all plant at the same representative distance		Y		(g) team	tion measures. member responsible for implementing mitiga				000 (200
all plant at the same representative distance (m)		Y 90	All at Representative Distan	(g) team					n Noise Estima
- t		90 SPL @7m (dB(A))	All at Representative Distan	(g) team	member responsible for implementing mitiga	Sensitive busines	Shielding correction		
Representative distance (m) Type/ model plant (See Sources Sheet)	SWL LAeq (dB(A))	SPL @7m (dB(A))		(g) team ce (Note that suitable	member responsible for implementing mitigate noise management levels for other noise-	Quantity correction (dBA)	Shielding correction (dBA)	Distance used in	Contribution SPL (dB(A))
Representative distance (m) Type/ model plant (See Sources Sheet) Vacuum truck	SWL LAeq (dB(A))	SPL @7m (dB(A))		(g) team ce (Note that suitable	member responsible for implementing mitigate noise management levels for other noise - Is there line of sight to receiver? Y/N No (behind substantial solid barrier)	Quantity correction (dBA)	Shielding correction (dBA)	Distance used in	Contribution SPL (dB(A))
Representative distance (m) Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles	SWL LAeq (dB(A)) 109 90	SPL @7m (dB(A)) 84 65		(g) team ce (Note that suitable	member responsible for implementing miligate noise management levels for other noise 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	Contribution SPL (dB(A)) -888 -888
Representative distance (m) Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne)	SWL LAeq (dB(A)) 109 90 106	SPL @7m (dB(A)) 84 65 81		(g) team ce (Note that suitable	member responsible for implementing miligale noise management levels for other noise - Is there line of sight to receiver? Y/N No (behind substantial sold barrier) No (behind substantial sold barrier) No (behind substantial sold barrier)	Quantity correction (dBA) 0 0 0	Shielding correction (dBA) -10 -10 -10	Distance used in	Contribution SPL (dB(A)) -888 -888 -888
Representative distance (m) Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles	SWL LAeq (dB(A)) 109 90	SPL @7m (dB(A)) 84 65		(g) team ce (Note that suitable	member responsible for implementing miligate noise management levels for other noise Is there line of sight to receiver? Y/N No (behind substantial solid barrier)	Quantity correction (dBA) 0	Shielding correction (dBA) -10 -10 -10 -10	Distance used in	Contribution SPL (dB(A)) -888 -888 -888 -888
Representative distance (m) Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne) Generator	SWL LAeq (dB(A)) 109 90 106 103	SPL @7m (dB(A)) 84 65 81 78		(g) team ce (Note that suitable	member responsible for implementing miligale noise management levels for other noise - Is there line of sight to receiver? Y/N 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)	Contribution SPL (dB(A)) -888 -888 -888 -888 -888
Representative distance (m) Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne)	SWL LAeq (dB(A)) 109 90 106	SPL @7m (dB(A)) 84 65 81	Quantity	(g) team ce (Note that suitable	member responsible for implementing miligate noise management levels for other noise 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	Distance used in	Contribution SPL (dB(A)) -888 -888 -888 -888
Representative distance (m) Typel model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tionne) Generator Light vehicles	SWL LAeq (dB(A)) 109 90 106 103	SPL @7m (dB(A)) 84 65 81 78	Quantity	(g) team ce (Note that suitable	member responsible for implementing miligale noise management levels for other noise is there line of sight to receiver? Y/N 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	Distance used in calculation (m)	Contribution SPL (dB(A)) -888 -888 -888 -888 -888 31
Representative distance (m) Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne)	SWL LAeq (dB(A)) 109 90 106 103 90 106	SPL @7m (dB(A)) 84 65 81 78 65 81	Quantity 1	(g) team ce (Note that suitable	member responsible for implementing mitigate noise management levels for other noise Is there line of sight to receiver? Y/N 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	Distance used in calculation (m)	Contribution SPL (dB(A)) -888 -888 -888 -888 -888 -888 -888
Representative distance (m) Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne) Generator	SWL LAeq (dB(A)) 109 90 106 103 90 106 95	SPL @7m (dB(A)) 84 65 81 78 65 61 70	Quantity 1	(g) team ce (Note that suitable	member responsible for implementing miligale noise management levels for other noise - Is there line of sight to receiver? Y/N No (behind substantial 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)	Contribution SPL (dB(A)) -888 -888 -888 -888 -888 -888 -888 -
Representative distance (m) Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (> 20tonne) Generator Light vehicles Truck (> 20tonne) Generator Poeumidus Jackhammer	SWL LAeq (dB(A)) 109 90 106 103 90 106 95 110	SPL @7m (dB(A)) 84 65 81 78 65 81 70 85	Quantity 1	(g) team ce (Note that suitable	member responsible for implementing miligale noise management levels for other noise 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)	Contribution SPL (dB(A)) -888 -888 -888 -888 -888 -888 -888 -
Representative distance (m) Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (> 20tonne) Generator Light vehicles Truck (> 20tonne) Generator Pneumatic Jackhammer Mobile Crane	SWL LAeq (dB(A)) 109 90 106 103 90 106 95 110	SPL @7m (dB(A)) 84 65 81 78 65 81 70 85	Quantity 1	(g) team ce (Note that suitable	member responsible for implementing miligate noise management levels for other noise Is there line of sight to receiver? Y/N No (behind substantial 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 -10 -10 -10 -10 -10 -10 -10 -10	Distance used in calculation (m)	Contribution SPL (dB(A)) -888 -888 -888 -888 -888 -888 31 -888 36 51 -888
Representative distance (m) Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (> 20tonne) Generator Light vehicles Truck (> 20tonne) Generator Poeumidus Jackhammer	SWL LAeq (dB(A)) 109 90 106 103 90 106 95 110 97	SPL @7m (dB(A)) 84 65 81 78 65 81 70 65 71 70 72	Quantity 1	(g) team ce (Note that suitable	member responsible for implementing miligate noise management levels for other noise Is there line of sight to receiver? Y/N No (behind substantial 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 -10 -10 -10 -10 -10 -10 -10 -10	Distance used in calculation (m)	Contribution SPL (dB(A)) -888 -888 -888 -888 -888 -888 -888 -
Representative distance (m) Typel model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne) Generator Pneumatic Jackhammer Mobile Crane	SWL LAeq (dB(A)) 109 90 106 103 90 106 95 110 97	SPL @7m (dB(A)) 84 65 81 78 65 81 70 65 71 70 72	Quantity 1	(g) team ce (Note that suitable	member responsible for implementing miligale noise management levels for other noise - Is there line of sight to receiver? Y.N No (behind substantial 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 -10 -10 -10 -10 -10 -10 -10 -10	Distance used in calculation (m)	Contribution SPL (dB(A)) -888 -888 -888 -888 -888 -888 -888 -
Representative distance (m) Typel model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne) Generator Pneumatic Jackhammer Mobile Crane	SWL LAeq (dB(A)) 109 90 106 103 90 106 95 110 97	SPL @7m (dB(A)) 84 65 81 78 65 81 70 65 71 70 72	Quantity 1	(g) team ce (Note that suitable	member responsible for implementing miligate noise management levels for other noise 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	Shielding correction (dBA) -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	Distance used in calculation (m)	Contribution SPL (dB(A)) -888 -888 -888 -888 -888 -888 -888 -
Representative distance (m) Typel model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne) Generator Pneumatic Jackhammer Mobile Crane	SWL LAeq (dB(A)) 109 90 106 103 90 106 95 110 97	SPL @7m (dB(A)) 84 65 81 78 65 81 70 65 71 70 72	Quantity 1	(g) team ce (Note that suitable	member responsible for implementing miligale noise management levels for other noise Is there line of sight to receiver? YiN No (behind substantial solid barrier) Yes Yes Yes	Sensitive business Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Shelding correction (dBA) -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	Distance used in calculation (m)	Contribution SPL (dB(A)) -888 -888 -888 -888 -888 -888 -888 -
Representative distance (m) Typel model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne) Generator Pneumatic Jackhammer Mobile Crane	SWL LAeq (dB(A)) 109 90 106 103 90 106 95 110 97	SPL @7m (dB(A)) 84 65 81 78 65 81 70 65 71 70 72	Quantity 1	(g) team ce (Note that suitable	member responsible for implementing miligale noise management levels for other noise Is there line of sight to receiver? Y/N No (behind substantial solid barrier) Yes Yes Yes Yes Yes Yes	sensitive business Country Cou	Shielding correction (dBA) -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	Distance used in calculation (m)	Contribution SPL (dB(A)) -838 -888 -888 -888 -888 -888 -888 -8
Representative distance (m) Typel model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne) Generator Pneumatic Jackhammer Mobile Crane	SWL LAeq (dB(A)) 109 90 106 103 90 106 95 110 97	SPL @7m (dB(A)) 84 65 81 78 65 81 70 65 71 70 72	Quantity 1	(g) team ce (Note that suitable	member responsible for implementing miligale noise management levels for other noise Is there line of sight to receiver? Y.N. No (behind substantial solid barrier)	sensitive businessensitive businessensitive businessensitive businessensitive correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0	Shielding Shielding Correction (dBA) -10 -	Distance used in calculation (m)	Contribution SPL (dB(A)) -888 -888 -888 -888 -888 -888 -51 -888 -888
Representative distance (m) Typel model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne) Generator Pneumatic Jackhammer Mobile Crane	SWL LAeq (dB(A)) 109 90 106 103 90 106 95 110 97	SPL @7m (dB(A)) 84 65 81 78 65 81 70 65 71 70 72	Quantity 1	(g) team ce (Note that suitable	member responsible for implementing miligale noise management levels for other noise Is there line of sight to receiver? Y/N No (behind substantial solid barrier) Yes Yes Yes Yes Yes Yes	sensitive business Country Cou	Shielding correction (dBA) -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	Distance used in calculation (m)	Contribution SPL (dB(A)) -838 -888 -888 -888 -888 -888 -888 -8

Project name		RP2J			e user input is selected - enter the measured			time period (cells D	17 to D19).
Scenario name		Barriers and linema			he same representative distance to the recei				
Receiver address		234 Newcastle Road			e Y is selected - enter the representative dist e N is selected - go to step #7	tance in cell C25.			
Select area ground type Select type of background noise lev	al innut	Developed settlements (urban an User Input	d suburban areas)		e N is selected - go to step #7 io (e.g. shallow excavation), select plant from	m the dron-down	list in cells A28	to A47 (e.g. dump tr	iicks + 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		e N is selected from step #6 - enter the dista				
Noise area category		Representative Hoise Environment	oser input		re line of sight to receiver? select from drop of imber lapped and capped fence, shipping co				
noise area eategory	Day		55	8. Identify the leve	el above background and/or noise mangeme	ent level (see row	rs 57 to 62).	_	
RBL or LA90 Background level (dB(A))	Evening		51		plement standard mitigation measures wher		asonable. Inclu	de any shielding impl	emented as p
ADE OF EASO DUCKGFOUND IEVER (UD(A))			41		he 'Is there line of sight to receiver' drop-dov			001 051	
	Night		65		mplement feasible and reasonable additional summary report detailing:	i mitigation meas	ures (see rows	o3 t0 65).	
	Day		60		ct description (including location, duration, he	ours of work, con	struction metho	dology, plant, potent	ially impacted
eq(15minute) Noise mangement level (dB(A))	Day (OOHW)		1/2/2/3	(b) backg	ground noise levels.				
	Evening		56		management levels .				
	Night		46		cted noise levels for each time period. disturbance affected distance for night work				
					tion measures.	.5.			
all plant at the same representative distance	to the receiver? Y/N	Y			member responsible for implementing mitiga	ation measures a	nd managing no	ise and vibration.	
		*							
<u> </u>				NEW TORSON TORSON		FG21 97 0494			
Representative distance (m)		140	All at Representative L	Oistance (Note that suitable	le noise management levels for other noise -	sensitive busines	ses not identifie	d in the Construction	Noise Estima
Representative distance (m)					le noise management levels for other noise -				9
Representative distance (m) Type/ model plant (See Sources Sheet)	SWL LAeq (dB(A))	140 SPL @7m (dB(A))	All at Representative L	Individual distance to receiver (m)	le noise management levels for other noise -	Quantity correction (dBA)	Shielding correction (dBA)	Distance used in calculation (m)	9
	109	SPL @7m (dB(A))		Individual distance to	_	Quantity correction	Shielding correction	Distance used in	Contributio SPL (dB(A)
Type/ model plant (See Sources Sheet)	109 90	SPL @7m (dB(A)) 84 65		Individual distance to	Is there line of sight to receiver? Y/N	Quantity correction (dBA)	Shielding correction (dBA) -10	Distance used in	Contributio SPL (dB(A) -888 -888
Type/ model plant (See Sources Sheet) Vacuum fruck Light vehicles Truck (>20tonne)	109 90 106	SPL @7m (dB(A)) 84 65 81		Individual 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	Contributio SPL (dB(A) -888 -888 -888
Type/ model plant (See Sources Sheet) Vacuum truck: Light vehicles	109 90	SPL @7m (dB(A)) 84 65		Individual distance to	Is there line of sight to receiver? Y/N No (behind substantial solid barrier) No (behind substantial so	Quantity correction (dBA) 0 0 0	Shielding correction (dBA) -10 -10 -10 -10	Distance used in	Contributio SPL (dB(A) -888 -888 -888
Type/ model plant (See Sources Sheet) Vacuum fruck Light vehicles Truck (>20fonne) Generator	109 90 106 103	SPL @7m (dB(A)) 84 65 81 78		Individual distance to	Is there line of sight to receiver? Y/N 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)	Contributio SPL (dB(A) -888 -888 -888 -888
Type/model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (~20tone) Genetor Light vehicles	109 90 106 103	SPL @7m (dB(A)) 84 65 81 78		Individual distance to	Is there line of sight to receiver? Y/N No (behind substantial solid barrier)	Quantity correction (dBA) 0 0 0 0 0 0 0 0	Shielding correction (dBA) -10 -10 -10 -10 -10 -10 -10	Distance used in	Contributio SPL (dB(A) -888 -888 -888 -888 -888 -888 26
Type/ model plant (See Sources Sheet) Vacuum fruck Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne)	109 90 106 103 90 106	SPL @7m (dB(A)) 84 65 81 78 65		Individual 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	Shielding correction (dBA) -10 -10 -10 -10 -10 -10 -10 -10 -10	Distance used in calculation (m)	Contributio SPL (dB(A) -888 -888 -888 -888 -888 26 -888
Type/model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne) Generator	109 90 106 103 90 106 95	SPL @7m (dB(A)) 84 65 81 76 65 61 770	Quantity 1	Individual 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	Shielding correction (dBA) -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	Distance used in calculation (m)	Contributio SPL (dB(A) -888 -888 -888 -888 -888 -888 -888 31
Type/ model plant (See Sources Sheet) Vacuum Truck Light vehicles Truck (>20onne) Generator Light vehicles Truck (>20onne) Generator Procursional Generator Procursional Jackshammer	109 90 106 103 90 106 95 110	SPL @7m (dB(A)) 84 65 61 78 65 81 70 81	Quantity 1	Individual 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	Shielding correction (dBA) -10 -10 -10 -10 -10 -10 -10 -10 -10	Distance used in calculation (m)	Contributio SPL (dB(A) -888 -888 -888 -888 -888 26 -888
Type/model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne) Generator	109 90 106 103 90 106 95	SPL @7m (dB(A)) 84 65 81 76 65 61 770	Quantity 1	Individual distance to	Is there line of sight to receiver? Y/N 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 -10	Distance used in calculation (m)	Contributio SPL (dB(A) -888 -888 -888 -888 -888 26 -888 31 46 -888
Type/ model plant (See Sources Sheet) Vacuum Truck Light vehicles Truck (20tone) Generator Light vehicles Truck (20tone) Generator Penerator Pheumatic Jackhammer Mobile Crane	109 90 106 103 90 106 95 110 97	SPL @7m (dB(A)) 84 65 61 78 65 81 70 65 71 70	Quantity 1	Individual distance to	Is there line of sight to receiver? Y/N 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 -10	Distance used in calculation (m)	Contributio SPL (dB(A) -888 -888 -888 -888 -888 -888 31 46 -888 -888
Type/model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20onne) Generator Light vehicles Truck (>20onne) Generator Pruck (>20onne) Generator Premuntsi Jackhammer	109 90 106 103 90 106 95 110	SPL @7m (dB(A)) 84 65 61 78 65 81 70 81	Quantity 1	Individual 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)	Contributio SPL (dB(A) -888 -888 -888 -888 -888 -888 -31 -46 -888 -888 -888
Type/model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne) Generator Generator Pneumatic Jackhammer Mobile Crane	109 90 106 103 90 106 95 110 97	SPL @7m (dB(A)) 84 65 61 78 65 81 70 65 71 70	Quantity 1	Individual distance to	Is there line of sight to receiver? Y/N No (behind substantial 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 -10 -10 -10 -10 -10 -10 -10 -10	Distance used in calculation (m)	Contributio SPL (dB(A) -888 -888 -888 -888 -888 26 -888 -888 -
Type/model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne) Generator Generator Pneumatic Jackhammer Mobile Crane	109 90 106 103 90 106 95 110 97	SPL @7m (dB(A)) 84 65 61 78 65 81 70 65 71 70	Quantity 1	Individual distance to	Is there line of sight to receiver? Y/N No (behind substantial sold 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)	Contributio SPL (dB(A) -888 -888 -888 -888 -888 -888 -888 -8
Type/ model plant (See Sources Sheet) Vacuum Truck Light vehicles Truck (>20tone) Generator Light vehicles Truck (>20tonne) Generator Generator Pneumatic Jackhammer Mobile Crane	109 90 106 103 90 106 95 110 97	SPL @7m (dB(A)) 84 65 61 78 65 81 70 65 71 70	Quantity 1	Individual distance to	Is there line of sight to receiver? YN No (behind substantial sold 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) (dB	Distance used in calculation (m)	Contribution SPL (dB(A) - 4888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (-20tone) Generator Light vehicles Truck (-20tone) Generator Prick (-20tone) Generator Prick (-20tone) Generator Prick (-20tone) Mobile Crane	109 90 106 103 90 106 95 110 97	SPL @7m (dB(A)) 84 65 61 78 65 81 70 65 71 70	Quantity 1	Individual distance to	Is there line of sight to receiver? Y/N No (behind substantial sold 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)	Contribution SPL (dB(A) -888 -888 -888 -888 -888 -888 -888 -8
Type/ model plant (See Sources Sheet) Vacuum Truck Light vehicles Truck (>20tone) Generator Light vehicles Truck (>20tonne) Generator Generator Pneumatic Jackhammer Mobile Crane	109 90 106 103 90 106 95 110 97	SPL @7m (dB(A)) 84 65 61 78 65 81 70 65 71 70	Quantity 1	Individual distance to	Is there line of sight to receiver? Y/N No (behind substantial 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 -10 -10 -10 -10 -10 -10 -10 -10	Distance used in calculation (m)	Contributio SPL (dB(A) -888 -888 -888 -888 -888 -888 -888 -8
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tone) Generator Light vehicles Truck (20tone) Generator Prieumatic Jackhammer Mobile Crane	109 90 106 103 90 106 95 110 97	SPL @7m (dB(A)) 84 65 61 78 65 81 70 65 71 70	Quantity 1	Individual distance to	Is there line of sight to receiver? Y/N No (behind substantial sold 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)	Contributio SPL (dB(A) -888 -888 -888 -888 -888 -888 -888 -8

5. Barriers NCA4 R1231 (195 Newcastle Road Jesmond)

a. Worst case

	RP2J				
	Barriers and linema	arking			
	195 Newcastle Road	Jesmond			
	Developed settlements (urban and suburban areas)				
el input	User Input				
Select type of background noise level input		User Input			
Day		47			
Evening		46			
Night		36			
Day		57			
Day (OOHW)		52			
Evening		51			
Night		41			
to the receiver? Y/N	Y				
	55	All at Representative Distan			
	Day Evening Night Day Bay (OOHW) Evening Night to the receiver? Y/N	Barriers and Inem 195 Newsate Road Developed settlements (urban a Developed settlements) Day Evening Night Day Night Night Vother receiver? Y/N Y			

(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 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 terel (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 reci
(b) background noise levels for each time period.
(c) sleep disturbance a flected 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 tor s

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

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	90	65			No (behind substantial solid barrier)	0	-10		-888
Truck (>20tonne)	106	81			No (behind substantial solid barrier)	0	-10		-888
Generator	95	70			No (behind substantial solid barrier)	0	-10		-888
70.000 Nov	Name of	5290	722		No (behind substantial solid barrier)	0	-10	200	-888
Light vehicles	95	70	1		No (behind substantial solid barrier)	0	-10	55	40
Truck (>20tonne)	106	81			No (behind substantial solid barrier)	0	-10		-888
Generator	95	70	1		No (behind substantial solid barrier)	0	-10	55	40
Pneumatic Jackhammer	110	85	1		No (behind substantial solid barrier)	0	-10	55	55
Mobile Crane	97	72			No (behind substantial solid barrier)	0	-10		-888
1					No (behind substantial solid barrier)	0	-10		-888
Concrete saw	117	92	27		No (behind substantial solid barrier)	0	-10		-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
					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
			9		Yes	0	0		-888

b. +25

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

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

Project name
Scenario name
Receiver address
Select area ground type
Select type of background noise level input Representative Noise Environment User Input Noise area category RBL or LA98 Background level (dB(A)) Day (OOHW) LAeq(15minute) Noise mangement level (dB(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 slight 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 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 1's there line of slight 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 localion, duration, hours of work, construction methodology, plant, potentially impacted recei
(b) background noise lacted distance for right works.
(c) mitigation measures.
(d) 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 sh

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

Representative distance (m) All at Representative Distance Quantity correction (dBA) Is there line of sight to receiver? Y/N Type/ model plant (See Sources Sheet) SPL @7m (dB(A)) Quantity 20 Concrete saw 92 -888 -888 -888 -888 -888

d. +5

Project name		RP2J		(b) where	user input is selected - enter the measured	background nois	se level for each	h time period (cells 🛭	17 to D19).
Scenario name		Barriers and linema	irking	6. Is all plant at th	ne same representative distance to the receive	ver? Select Y or	N (cell C24):		
Receiver address		195 Newcastle Road J	Jesmond		Y is selected - enter the representative dist	ance in cell C25.			
Select area ground type	***************************************	Developed settlements (urban an	id suburban areas)		N is selected - go to step #7		H-41H- 400	A- A 47 / domest	
Select type of background noise lev	el input	User Input			io (e.g. shallow excavation), select plant from quantity for each selected plant in cells D28		list in cells A26	to A47 (e.g. dump ti	ucks + excavato
					N is selected from step #6 - enter the distar		or each individua	al plant in cells E28 t	o E47.
		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 a	nd trees are not
	Day		47		el above background and/or noise mangeme plement standard mitigation measures where			de les conseils de la conseil	
RBL or LA98 Background level (dB(A))	Evening		46		he 'Is there line of sight to receiver' drop-dow		asonable. Inclu	de any shielding imp	iementeu as pa
	Night		36		mplement feasible and reasonable additional		ures (see rows	63 to 65).	
	Day		57	11. Document a s	summary report detailing:		2540.010.000.000.000.000.000.000.000.000.0		
	Day (OOHW)		52		ct description (including location, duration, ho	ours of work, con	struction metho	dology, plant, poten	tially impacted
eq(15minute) Noise mangement level (dB(A))	Evening		51		ground noise levels.				
	Night		41		management levels . cted noise levels for each time period.				
	might	, , , , , , , , , , , , , , , , , , ,	41		disturbance affected distance for night work	s.			
AV ON HE WAS A			l	(f) mitigat	tion measures.				
all plant at the same representative distance	to the receiver? Y/N	Y		(g) team i	member responsible for implementing mitiga	ition measures a	nd managing no	oise and vibration.	
Representative distance (m)		49	All at Representative Dist	stance (Note that suitable	e noise management levels for other noise-s	sensitive busines	ses not identifie	ed in the Construction	Noise Estimat
Representative distance (iii)				(mail (mail)					
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	Shielding correction (dBA)	Distance used in calculation (m)	Contribution SPL (dB(A))
	SWL LAeq (dB(A))			Individual distance to					
Type/ model plant (See Sources Sheet) Vacuum truck		SPL @7m (dB(A))		Individual distance to	No (behind substantial solid barrier)	correction (dBA)	correction (dBA)		SPL (dB(A))
Type/ model plant (See Sources Sheet)	109	SPL @7m (dB(A)) 84		Individual distance to	No (behind substantial solid barrier) No (behind substantial solid barrier)	correction (dBA)	correction (dBA) -10		SPL (dB(A)) -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles	109	SPL @7m (dB(A)) 84 65		Individual distance to	No (behind substantial solid barrier)	correction (dBA) 0	correction (dBA) -10 -10		SPL (dB(A)) -888 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne)	109 90 106 95	SPL @7m (dB(A)) 84 65 81 70		Individual distance to	No (behind substantial solid barrier) No (behind substantial solid barrier) No (behind substantial solid barrier)	0 0 0 0 0	correction (dBA) -10 -10 -10 -10 -10	calculation (m)	SPL (dB(A)) -888 -888 -888 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne) Generator Light vehicles	109 90 106 95	SPL @7m (dB(A)) 84 65 81 70		Individual distance to	No (behind substantial solid barrier)	0 0 0 0 0 0	correction (dBA) -10 -10 -10 -10 -10 -10		-888 -888 -888 -888 -888 -41
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne)	109 90 106 95 95	SPL @7m (dB(A)) 84 65 81 70 70 81	Quantity	Individual distance to	No (behind substantial solid barrier)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	correction (dBA) -10 -10 -10 -10 -10 -10 -10 -10 -10	calculation (m)	SPL (dB(A)) -888 -888 -888 -888 -888 -888 41 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne) Generator	109 90 106 95 95 106 95	SPL @7m (dB(A)) 84 65 81 70 70 61 70	Quantity 1	Individual distance to	No (behind substantial solid barrier)	0 0 0 0 0 0 0 0 0	correction (dBA) -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	calculation (m) 49 49	SPL (dB(A)) -888 -888 -888 -888 -888 -888 41 -888 41
Type/ model plant (See Sources Sheet) Vacuum Truck Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne) Generator Pneumble Jackhammer	109 90 106 95 95 106 95 110	SPL @7m (dB(A)) 84 65 81 70 70 61 70 85	Quantity	Individual distance to	No (behind substantial solid barrier)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	correction (dBA) -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	calculation (m)	SPL (dB(A)) -888 -888 -888 -888 -888 -888 41 -888 41 -56
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne) Generator	109 90 106 95 95 106 95	SPL @7m (dB(A)) 84 65 81 70 70 61 70	Quantity 1	Individual distance to	No (behind substantial sold 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 -10 -10 -10 -10 -10 -10 -10 -10 -10	calculation (m) 49 49	SPL (dB(A)) -888 -888 -888 -888 -888 -888 41 -888 41 -888 41 -688
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tone) Generator Light vehicles Truck (>20tone) Generator Pneumatic Jackhammer Mobile Crane	109 90 106 95 95 106 95 110 97	SPL @7m (dB(A)) 84 65 61 70 70 81 70 81 70 72	Quantity 1	Individual distance to	No (behind substantial 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 -10 -10 -10 -10 -10 -10 -10 -10 -10	calculation (m) 49 49	SPL (dB(A)) -888 -888 -888 -888 -888 -888 41 -888 41 -688 -688 -888
Type/ model plant (See Sources Sheet) Vacuum Truck Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne) Generator Pneumato Jackhammer	109 90 106 95 95 106 95 110	SPL @7m (dB(A)) 84 65 81 70 70 61 70 85	Quantity 1	Individual distance to	No (behind substantial sold barrier)	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) 49 49	SPL (dB(A)) -888 -888 -888 -888 -888 -888 41 -888 41 -888 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tone) Generator Light vehicles Truck (>20tone) Generator Pneumatic Jackhammer Mobile Crane	109 90 106 95 95 106 95 110 97	SPL @7m (dB(A)) 84 65 61 70 70 81 70 81 70 72	Quantity 1	Individual distance to	No (behind substantial 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 -10 -10 -10 -10 -10 -10 -10 -10 -10	calculation (m) 49 49	SPL (dB(A)) -888 -888 -888 -888 -888 -888 41 -888 41 -688 -688 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tone) Generator Light vehicles Truck (>20tone) Generator Pneumatic Jackhammer Mobile Crane	109 90 106 95 95 106 95 110 97	SPL @7m (dB(A)) 84 65 61 70 70 81 70 81 70 72	Quantity 1	Individual distance to	No (behind substantial 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) (calculation (m) 49 49	SPL (dB(A)) -888 -888 -888 -888 -888 -888 41 -888 41 -888 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tone) Generator Light vehicles Truck (>20tone) Generator Pneumatic Jackhammer Mobile Crane	109 90 106 95 95 106 95 110 97	SPL @7m (dB(A)) 84 65 61 70 70 81 70 81 70 72	Quantity 1	Individual distance to	No (behind substantial 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 -10 -10 -10 -10 -10 -10 -10 -10 -10	calculation (m) 49 49	SPL (dB(A)) -888 -888 -888 -888 -888 -888 41 -56 -888 -888 -888 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tone) Generator Light vehicles Truck (>20tone) Generator Pneumatic Jackhammer Mobile Crane	109 90 106 95 95 106 95 110 97	SPL @7m (dB(A)) 84 65 61 70 70 81 70 81 70 72	Quantity 1	Individual distance to	No (behind substantial 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) (dBA) -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	calculation (m) 49 49	SPL (dB(A)) -888 -888 -888 -888 41 -888 41 -888 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tone) Generator Light vehicles Truck (>20tone) Generator Peneumatic Jackhammer Mobile Crane	109 90 106 95 95 106 95 110 97	SPL @7m (dB(A)) 84 65 61 70 70 81 70 81 70 72	Quantity 1	Individual distance to	No (behind substantial 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 -10 -10 -10 -10 -10 -10 -10 -10 -10	calculation (m) 49 49	SPL (dB(A)) -888 -888 -888 -888 -888 -888 41 -56 -888 -888 -888 -888 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne) Generator Pneumatic Jackhammer Mobile Crane	109 90 106 95 95 106 95 110 97	SPL @7m (dB(A)) 84 65 61 70 70 81 70 81 70 72	Quantity 1	Individual distance to	No (behind substantial 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 -10 -10 -10 -10 -10 -10 -10 -10 -10	calculation (m) 49 49	SPL (dB(A)) -888 -888 -888 -888 -888 41 -888 41 -56 -888 -888 -888 -888 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne) Generator Pneumatic Jackhammer Mobile Crane	109 90 106 95 95 106 95 110 97	SPL @7m (dB(A)) 84 65 61 70 70 81 70 81 70 72	Quantity 1	Individual distance to	No (behind substantial 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) (calculation (m) 49 49	SPL (dB(A)) -888 -888 -888 -888 -888 41 -56 -888 -888 -888 -888 -888 -888 -888

Project name	RP2J	
Scenario name	Barriers and linemarkin	ig .
Receiver address	195 Newcastle Road Jesmond	
Select area ground type	Developed settlements (urban and s	uburban areas)
Select type of background noise level input	User Input	
1000	Representative Noise Environment	User Input

		Representative Noise Environment	User Input
Noise area category			
	Day		47
RBL or LA90 Background level (dB(A))	Evening		46
	Night	,	36
	Day		57
LAeq(15minute) Noise mangement level (dB(A))	Day (OOHW)		52
Exequisiminate) noise mangement level (db(x))	Evening		51
	Night		41

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).

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

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

(b) where N is selected - plot set par?

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 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 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 collentify 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 rece (b) background noise levels.

(c) noise management levels.

(d) predicted onics levels for each time period.

(e) sleep disturbance affected distance for night works.

(f) migglicted encircles levels for ach time period.

(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 tor sl

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	90	65			No (behind substantial solid barrier)	0	-10		-888
Truck (>20tonne)	106	81			No (behind substantial solid barrier)	0	-10		-888
Generator	95	70	1		No (behind substantial solid barrier)	0	-10		-888
				- 6	No (behind substantial solid barrier)	0	-10		-888
Light vehicles	95	70	1		No (behind substantial solid barrier)	0	-10	140	31
Truck (>20tonne)	106	81			No (behind substantial solid barrier)	0	-10	2000	-888
Generator	95	70	1		No (behind substantial solid barrier)	0	-10	140	31
Pneumatic Jackhammer	110	85	1		No (behind substantial solid barrier)	0	-10	140	46
Mobile Crane	97	72	.6	8	No (behind substantial solid barrier)	0	-10		-888
					No (behind substantial solid barrier)	0	-10		-888
Concrete saw	117	92	7	1	No (behind substantial solid barrier)	0	-10		-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
					No (behind substantial solid barrier)	0	-10		-888
			,		No (behind substantial solid barrier)	0	-10		-888
					No (behind substantial solid barrier)	0	-10		-888
		<u></u>			Yes	0	0		-888

e. NML

Project name		RP2J (b) where user input is selected - enter the mean Barriers and linemarking 6. Is all plant at the same representative distance to the						time period (cells D	17 to D19).
Scenario name							N (cell C24):		
Receiver address		195 Newcastle Road .			e Y is selected - enter the representative dist	tance in cell C25.			
Select area ground type		Developed settlements (urban an	d suburban areas)		e N is selected - go to step #7 rio (e.g. shallow excavation), select plant fror	on the draw dawn	list in salls A29	to 5.47 (o. o. dumn to	ueke i eveniet
Select type of background noise lev	el input	User Input			r quantity for each selected plant in cells D28		list III cells A20	to A47 (e.g. dump iii	ucks + excavai
					e N is selected from step #6 - enter the distar		r each individua	al plant in cells E28 to	o E47.
		Representative Noise Environment	User Input		ere line of sight to receiver? select from drop of				
Noise area category					timber lapped and capped fence, shipping co			ote that vegetation a	nd trees are no
	Day		47		vel above background and/or noise mangeme			de les contentes de la contente de	
RBL or LA90 Background level (dB(A))	Evening		46		the 'Is there line of sight to receiver' drop-dov		asonable. Includ	de any shielding impi	emented as pa
The second secon	Night		36		implement feasible and reasonable additional		ures (see rows	63 to 65)	
	Day		57		summary report detailing:	i iiiiugation incas	uica (acc iona	05 10 05).	
			52	(a) proje	ct description (including location, duration, ho	ours of work, con-	struction metho	dology, plant, potent	tially impacted
eq(15minute) Noise mangement level (dB(A))	Day (OOHW)		Control of		ground noise levels.				
	Evening		51		management levels				
	Night		41		icted noise levels for each time period. o disturbance affected distance for night work				
			1		odisturbance affected distance for night work ation measures.				
all plant at the same representative distance	to the receiver? V/N	٧			member responsible for implementing mitiga	ation measures a	nd managing no	oise and vibration.	
an plant at the same representative distance	to the receiver? T/N	1		(3)					
Representative distance (m)		210	All at Representative Dis	tance (Note that suitab	le noise management levels for other noise-s	sensitive busines	ses not identifie	d in the Construction	Noise Estimat
				Individual distance to		Quantity	Shielding	Distance would be	Contribution
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	correction	correction	Distance used in calculation (m)	
			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 90	84 65	Quantity		No (behind substantial solid barrier) No (behind substantial solid barrier)	correction (dBA) 0	correction (dBA) -10		SPL (dB(A)) -888 -888
Vacuum truck Light vehicles Truck (>20tonne)	109 90 106	84 65 81	Quantity		No (behind substantial solid barrier) No (behind substantial solid barrier) No (behind substantial solid barrier)	correction (dBA) 0 0	correction (dBA) -10 -10 -10		-888 -888 -888
Vacuum truck Light vehicles	109 90	84 65	Quantity		No (behind substantial solid barrier)	correction (dBA) 0 0 0	correction (dBA) -10 -10 -10 -10		SPL (dB(A)) -888 -888 -888 -888
Vacuum truck Light vehicles Truck (>20tonne) Generator	109 90 106	84 65 81	Quantity		No (behind substantial solid barrier)	correction (dBA) 0 0	correction (dBA) -10 -10 -10		-888 -888 -888
Vacuum truck Light vehicles Truck (>20tonne)	109 90 106 95	84 65 81 70			No (behind substantial solid barrier)	0 0 0 0 0	correction (dBA) -10 -10 -10 -10 -10	calculation (m)	SPL (dB(A)) -888 -888 -888 -888
Vacuum truck Light vehicles Truck (>20tonne) Generator Light vehicles	109 90 106 95	84 65 81 70			No (behind substantial solid barrier)	0 0 0 0 0 0	correction (dBA) -10 -10 -10 -10 -10 -10	calculation (m)	SPL (dB(A)) -888 -888 -888 -888 -888 -26
Vacuum truck Light vehicles Truck (>20tone) Generator Light vehicles Truck (>20tonne)	109 90 106 95 95	84 65 81 70 70	1		No (behind substantial solid barrier)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	correction (dBA) -10 -10 -10 -10 -10 -10 -10	calculation (m)	SPL (dB(A)) -888 -888 -888 -888 -888 -888 -888
Vacuum truck Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne) Generator	109 90 106 95 95 106 95	84 65 81 70 70 81 70	1		No (behind substantial solid barrier)	0 0 0 0 0 0 0 0 0	correction (dBA) -10 -10 -10 -10 -10 -10 -10 -10	210	SPL (dB(A)) -888 -888 -888 -888 -888 -888 26 -888
Vacuum truck Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne) Generator Preunsk (>20tonne) Generator Preunsko Jackhammer	109 90 106 95 95 106 95 110	84 65 81 70 70 81 70 81	1		No (behind substantial solid barrier)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	correction (dBA) -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	210	SPL (dB(A)) -888 -888 -888 -888 -888 -888 -26 -888 -488
Vacuum truck Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne) Generator Peneumatic Jackhammer Mobile Crane	95 106 95 95 106 95 106 95 110 97	84 65 81 70 70 81 70 85 72	1		No (behind substantial solid barrier)	Correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0	correction (dBA) -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	210	SPL (dB(A)) -688 -888 -888 -888 -888 -888 26 -888 26 -888 -888
Vacuum truck Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne) Generator Preunsk (>20tonne) Generator Preunsko Jackhammer	109 90 106 95 95 106 95 110	84 65 81 70 70 81 70 81 85	1		No (behind substantial 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 -10 -10 -10 -10 -10 -10 -10 -10 -10	210	SPL (dB(A)) -888 -888 -888 -888 -888 -888 26 -888 26 41 -888 -888 -888
Vacuum fruck Light vehicles Truck (>Zütonne) Generator Light vehicles Truck (>Zütonne) Generator Generator Pneumatic Jackhammer Mobile Crane	95 106 95 95 106 95 106 95 110 97	84 65 81 70 70 81 70 85 72	1		No (behind substantial 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)	210	SPL (dB(A)) -888 -888 -888 -888 -888 -888 -888 -
Vacuum truck Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne) Generator Peneumatic Jackhammer Mobile Crane	95 106 95 95 106 95 106 95 110 97	84 65 81 70 70 81 70 85 72	1		No (behind substantial 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 -10 -10 -10 -10 -10 -10 -10 -10 -10	210	SPL (dB(A)) -888 -888 -888 -888 -888 -888 -888 -
Vacuum truck Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne) Generator Peneumatic Jackhammer Mobile Crane	95 106 95 95 106 95 106 95 110 97	84 65 81 70 70 81 70 85 72	1		No (behind substantial 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) (210	SPL (dB(A)) -888 -888 -888 -888 -888 26 -888 26 -888 -888
Vacuum truck Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne) Generator Peneumatic Jackhammer Mobile Crane	95 106 95 95 106 95 106 95 110 97	84 65 81 70 70 81 70 85 72	1		No (behind substantial 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 -10 -10 -10 -10 -10 -10 -10 -10 -10	210	SPL (dB(A)) -888 -888 -888 -888 -888 -888 -888 -
Vacuum truck Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne) Generator Pneumatic Jackhammer Mobile Crane	95 106 95 95 106 95 106 95 110 97	84 65 81 70 70 81 70 85 72	1		No (behind substantial 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) (210	SPL (dB(A)) -888 -888 -888 -888 -888 26 -888 26 -888 -888
Vacuum truck Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne) Generator Peneumatic Jackhammer Mobile Crane	95 106 95 95 106 95 106 95 110 97	84 65 81 70 70 81 70 85 72	1		No (behind substantial 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 -10 -10 -10 -10 -10 -10 -10 -10 -10	210	SPL (dB(A)) -688 -888 -888 -888 -888 -888 26 -888 -888
Vacuum fruck Light vehicles Truck (>Zütonne) Generator Light vehicles Truck (>Zütonne) Generator Generator Pneumatic Jackhammer Mobile Crane	95 106 95 95 106 95 106 95 110 97	84 65 81 70 70 81 70 85 72	1		No (behind substantial 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 -10 -10 -10 -10 -10 -10 -10 -10 -10	210	SPL (dB(A)) -888 -888 -888 -888 -888 -888 -888 -

					Yes	0	0		-888
Total SPL L Aeg(15minute) (dB	(A))	41							
Total SFL LAeq(Isiminate) [UB	(A))	71							
				_					
Barriers NC	Δ5 R14	66 <i>(234</i> Newcas	stle Road .	lesmond)					
o. Darrioro ivo	AO 1117	00 (2 04 Nonoa	otio itoaa t	, comona,					
a Wors	+ 0000								
a. wors	l Case								
				a numbe	or examples to map sereet the moise area.	category.			
Project name		RP2J	222		e user input is selected - enter the measure			time period (cells D	17 to D19).
Scenario name		Barriers and linema			he same representative distance to the rece				
Receiver address		234 Newcastle Road			e Y is selected - enter the representative dis e N is selected - go to step #7	tance in cell C25			
Select area ground type		Developed settlements (urban ar	nd suburban areas)		e N is selected - go to step #/ rio (e.g. shallow excavation), select plant fro	m the drop down	liet in celle A29	to A47 (e.g. dump tr	ucke + evenuat
Select type of background noise lev	rel input	User Input			guantity for each selected plant in cells D28		not in cells AZO	to A47 (e.g. dump ii	ucko + excavai
					e N is selected from step #6 - enter the dista		or each individua	al plant in cells E28 t	E47.
		Representative Noise Environment	User Input		re line of sight to receiver? select from drop				
Noise area category					timber lapped and capped fence, shipping or			ote that vegetation a	nd trees are no
	Day		55		el above background and/or noise mangem				
RBL or LA90 Background level (dB(A))	Evening		51		plement standard mitigation measures whe the 'ls there line of sight to receiver' drop-do		asonable. Includ	de any snielding imp	emented as pa
	Night		41		mplement feasible and reasonable additiona		ures (see rows	63 to 65)	
	Day		65		summary report detailing:	a magation meas	dies (see ions	00 10 00).	
	Day (OOHW)		60		ct description (including location, duration, h	ours of work, con	struction metho	dology, plant, poten	ially impacted
Aeq(15minute) Noise mangement level (dB(A))			56		ground noise levels.				
	Evening				management levels . cted noise levels for each time period.				
	Night		46		cted noise levels for each time period. I disturbance affected distance for night worl	ke.			
			1		ition measures.	no.			
s all plant at the same representative distance	to the receiver? Y/N	v	1	(g) team	member responsible for implementing mitig	ation measures a	nd managing no	ise and vibration.	
Representative distance (m)	}	55	All at Representative Dista	nce (Note that suitable	le noise management levels for other noise-	-sensitive busines	ses not identifie	d in the Construction	Noise Estima
						Otit.	Chieldine		The second second
Type/ model plant (See Sources Sheet)	SWL LAeg (dB(A))	SPL @7m (dB(A))	Quantity	Individual distance to	Is there line of sight to receiver? Y/N	Quantity	Shielding correction	Distance used in	
Typer model plant (see sources sheet)	SWE EXEC (GD(A))	SFE (W/III (UD(A))	quantity	receiver (m)	is there like of sight to receiver: 1/h	(dBA)	(dBA)	calculation (m)	SPL (dB(A))
Vacuum truck	109	84			No (behind solid barrier)	0	-5		-888
Light vehicles	90	65			No (behind solid barrier)	0	-5		-888
Truck (>20tonne)	106	81			No (behind solid barrier)	0	-5		-888
Generator	103	78			No (behind solid barrier)	0	-5		-888
					No (behind solid barrier)	0	-5		-888
Light vehicles	90	65	1		No (behind solid barrier)	0	-5	55	40
Truck (>20tonne)	106	81			No (behind solid barrier)	0	-5		-888
Generator	95	70	1		No (behind solid barrier)	0	-5	55	45
Pneumatic Jackhammer	110	85	- 1		No (behind solid barrier)	0	-5	55	60

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 solid barrier)	0	-5		-888
Light vehicles	90	65			No (behind solid barrier)	0	-5		-888
Truck (>20tonne)	106	81			No (behind solid barrier)	0	-5		-888
Generator	103	78			No (behind solid barrier)	0	-5		-888
					No (behind solid barrier)	0	-5		-888
Light vehicles	90	65	1		No (behind solid barrier)	0	-5	55	40
Truck (>20tonne)	106	81	79		No (behind solid barrier)	0	-5	0.000	-888
Generator	95	70	1		No (behind solid barrier)	0	-5	55	45
Pneumatic Jackhammer	110	85	- 1	1	No (behind solid barrier)	0	-5	55	60
Mobile Crane	97	72			No (behind solid barrier)	0	-5		-888
					No (behind solid barrier)	0	-5		-888
concrete saw	117	92			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

Desired asset					or examples to map select the mose treat			#	47.4- D40)
Project name Scenario name		RP2J Barriers and linema			user input is selected - enter the measured e same representative distance to the receive			time period (cells D	17 to D19).
Receiver address		234 New castle Road			Y is selected - enter the representative dist		N (Cell C24).		
Select area ground type		Developed settlements (urban ar			N is selected - go to step #7				
Select type of background noise let	rel input	User Input	ia subarban arcasy		(e.g. shallow excavation), select plant from		list in cells A28	to A47 (e.g. dump tre	ucks + excavato
					quantity for each selected plant in cells D28		20.000		2.2
		Representative Noise Environment	User Input		N is selected from step #6 - enter the distar e line of sight to receiver? select from drop of				
Noise area category			(113)(11)		mber lapped and capped fence, shipping co				
	Day		55	8. Identify the leve	l above background and/or noise mangeme	ent level (see row	rs 57 to 62).		
RBL or LA90 Background level (dB(A))	Evening	8	51		element standard mitigation measures where		asonable. Includ	le any shielding impl	emented as pa
RDE OF EASO BACKGROUND TEVER (GD(A))		V	41		e 'Is there line of sight to receiver' drop-dov		2 5		
	Night	0	9.00		plement feasible and reasonable additional ummary report detailing:	l mitigation meas	ures (see rows (63 to 65).	
	Day		65		diffiliary report detailing.	ours of work, con	struction method	fology, plant, potent	ially impacted r
LAeq(15minute) Noise mangement level (dB(A))	Day (OOHW)		60	(b) backgi	round noise levels.				
	Evening		56		management levels .				
	Night		46		ted noise levels for each time period.				
			-		disturbance affected distance for night work on measures.	S.			
Is all plant at the same representative distance	to the receiver? Y/N	Υ			nember responsible for implementing mitiga	ation measures a	nd managing no	ise and vibration.	
Representative distance (m	Y .	20	All at Representative Distar	(Note that suitable	noise management levels for other noise -s	sensitive busines	ses not identifie	d in the Construction	Noise Estima to
noprosentative distance (iii			ar de Representative Bistar						
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	Shielding correction (dBA)	Distance used in calculation (m)	Contribution SPL (dB(A))
Vacuum truck	109	84				(dBA)			or E (dib(rt))
Light vehicles					No (behind solid barrier)	(dbA)	-5		-888
	90	65			No (behind solid barrier) No (behind solid barrier)				
Truck (>20tonne)	106	65 81				0	-5		-888 -888 -888
Truck (>20tonne) Generator		65			No (behind solid barrier)	0 0 0	-5 -5 -5 -5		-888 -888 -888 -888
Generator	106 103	65 81 78			No (behind solid barrier) No (behind solid barrier) No (behind solid barrier) No (behind solid barrier)	0 0 0 0	-5 -5 -5 -5		-888 -888 -888 -888 -888
Generator Light vehicles	106 103 90	65 81 78	1		No (behind solid barrier)	0 0 0 0 0	-5 -5 -5 -5 -5 -5	20	-888 -888 -888 -888 -888 51
Generator Light vehicles Truck (>20tonne)	106 103 90 106	65 81 78 65 81			No (behind solid barrier)	0 0 0 0 0 0	-5 -5 -5 -5 -5 -5 -5	450	-888 -888 -888 -888 -888 51 -888
Generator Light vehicles Truck (>20tonne) Generator	90 106 95	65 81 78 65 81 70	1		No (behind solid barrier)	0 0 0 0 0 0 0	-5 -5 -5 -5 -5 -5 -5 -5 -5	20	-888 -888 -888 -888 -888 51 -888 56
Generator Light vehicles Truck (>20tonne) Generator Pneumatic Jackhammer	106 103 90 106 95 110	65 81 78 65 81 70 85			No (behind solid barrier)	0 0 0 0 0 0 0	-5 -5 -5 -5 -5 -5 -5 -5 -5	450	-888 -888 -888 -888 -888 51 -888 56 71
Generator Light vehicles Truck (>20tonne) Generator	90 106 95	65 81 78 65 81 70	1		No (behind sold barrier)	0 0 0 0 0 0 0 0	-5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -	20	-888 -888 -888 -888 -888 -51 -888 -56 -71 -888
Generator Light vehicles Truck (-20tonne) Generator Pneumstic Jackhammer Mobile Crane	90 106 90 106 95 110 97	65 81 78 65 81 70 85 72	1		No (behind solid barrier)	0 0 0 0 0 0 0 0 0	-5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5	20	-888 -888 -888 -888 -888 51 -888 56 71 -888
Generator Light vehicles Truck (>20tonne) Generator Pneumatic Jackhammer	106 103 90 106 95 110	65 81 78 65 81 70 85	1		No (behind sold barrier)	0 0 0 0 0 0 0 0 0 0	-5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -	20	-888 -888 -888 -888 -888 -51 -888 -56 -71 -888 -888
Generator Light vehicles Truck (-20tonne) Generator Pneumstic Jackhammer Mobile Crane	90 106 90 106 95 110 97	65 81 78 65 81 70 85 72	1		No (behind sold barrier) Yes	0 0 0 0 0 0 0 0 0 0 0	-5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -	20	-888 -888 -888 -888 -888 -888 -51 -888 -56 -71 -888 -888 -888
Generator Light vehicles Truck (-20tonne) Generator Pneumstic Jackhammer Mobile Crane	90 106 90 106 95 110 97	65 81 78 65 81 70 85 72	1		No (behind solid barrier) Yes	0 0 0 0 0 0 0 0 0 0 0 0 0	-5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -	20	-888 -888 -888 -888 -888 -888 -51 -888 -56 -71 -888 -888 -888 -888
Generator Light vehicles Truck (-20tonne) Generator Pneumstio Jackhammer Mobile Crane	90 106 90 106 95 110 97	65 81 78 65 81 70 85 72	1		No (behind sold barrier) Yes	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -	20	-888 -888 -888 -888 -888 -888 -888 -88
Generator Light vehicles Truck (-20tonne) Generator Pneumstio Jackhammer Mobile Crane	90 106 90 106 95 110 97	65 81 78 65 81 70 85 72	1		No (behind solid barrier) Yes	0 0 0 0 0 0 0 0 0 0 0 0 0	-5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -	20	-888 -888 -888 -888 -888 -888 -51 -888 -56 -71 -888 -888 -888 -888
Generator Light vehicles Truck (-20tonne) Generator Pneumstic Jackhammer Mobile Crane	90 106 90 106 95 110 97	65 81 78 65 81 70 85 72	1		No (behind solid barrier) Yes Yes Yes	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -	20	-888 -888 -888 -888 -888 -51 -888 -56 71 -888 -888 -888 -888 -888
Generator Light vehicles Truck (-20tonne) Generator Pneumstic Jackhammer Mobile Crane	90 106 90 106 95 110 97	65 81 78 65 81 70 85 72	1		No (behind solid barrier) Yes Yes Yes Yes Yes	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -	20	-888 -888 -888 -888 -888 -888 -51 -888 -888
Generator Light vehicles Truck (-20tonne) Generator Pneumstio Jackhammer Mobile Crane	90 106 90 106 95 110 97	65 81 78 65 81 70 85 72	1		No (behind sold barrier) Yes Yes Yes Yes Yes	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -	20	-888 -888 -888 -888 -888 -888 -888 -88

Project name Scenario name Receiver address		RP2J Barriers and linema 234 Newcastle Road		(b) where 6. Is all plant at th (a) where	e user input is selected - enter the measured the same representative distance to the receipt Y is selected - enter the representative dist	background nois ver? Select Y or	N (cell C24):	time period (cells D	17 to D19).
Select area ground type		Developed settlements (urban ar	d suburban areas)		e N is selected - go to step #7 io (e.g. shallow excavation), select plant froi	- 11	E-4 : U- 420 :	4- 047 (
Select type of background noise let	vel input	User Input			quantity for each selected plant in cells D28		list ili celis A20	to A47 (e.g. dump in	icks + excavai
		Representative Noise Environment	User Input	(b) where (c) is the	e N is selected from step #6 - enter the dista re line of sight to receiver? select from drop	nce to receiver fo down list in cells	F28 to F47. Solid	d barrier can be in th	e form of road
Noise area category					imber lapped and capped fence, shipping co el above background and/or noise mangeme			ote that vegetation ar	nd trees are no
	Day		55		plement standard mitigation measures wher			de any shielding impl	emented as n
RBL or LA90 Background level (dB(A))	Evening		51		he 'Is there line of sight to receiver' drop-dov		asonasio: molac	o any omorang impr	omontou uo p
	Night		41		mplement feasible and reasonable additiona	I mitigation meas	ures (see rows 6	63 to 65).	
	Day		65		summary report detailing:				
	Day (OOHW)		60		ct description (including location, duration, he ground noise levels.	ours of work, con	struction method	dology, plant, potent	ially impacted
Aeq(15minute) Noise mangement level (dB(A))	Evening		56		management levels				
	Night		46		cted noise levels for each time period.				
					disturbance affected distance for night work	S.			
s all plant at the same representative distance	to the receiver? Y/N	Y			tion measures. member responsible for implementing mitiga	ation measures a	nd managing no	ise and vibration.	
Representative distance (m)	48	All at Representative Dista	(Note that suitable	e noise management levels for other noise-	sensitive busines	ses not identifier	d 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 SPL (dB(A))
Type/ model plant (See Sources Sheet) Vacuum truck	SWL LAeq (dB(A))	SPL @7m (dB(A)) 84	Quantity		Is there line of sight to receiver? Y/N No (behind solid barrier)	correction	correction		
			Quantity			correction (dBA)	correction (dBA)		SPL (dB(A)
Vacuum truck Light vehicles Truck (>20tonne)	109 90 106	84 65 81	Quantity		No (behind solid barrier)	correction (dBA) 0 0	correction (dBA) -5 -5 -5		-888 -888 -888
Vacuum truck Light vehicles	109 90	84 65	Quantity		No (behind solid barrier) No (behind solid barrier) No (behind solid barrier) No (behind solid barrier)	correction (dBA) 0 0 0	correction (dBA) -5 -5 -5 -5		-888 -888 -888 -888
Vacuum truck Light vehicles Truck (>20tonne) Generator	109 90 106 103	84 65 81 78	Quantity		No (behind solid barrier)	0 0 0 0 0 0	correction (dBA) -5 -5 -5 -5 -5	calculation (m)	-888 -888 -888 -888 -888
Vacuum truck Light vehicles Truck (>20tonne) Generator Light vehicles	109 90 106 103	84 65 81 78	Quantity 1		No (behind solid barrier)	0 0 0 0 0 0 0	correction (dBA) -5 -5 -5 -5 -5 -5		-888 -888 -888 -888 -888 -888 41
Vacuum truck Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne)	109 90 106 103 90 106	84 65 81 78 65 81	1		No (behind solid barrier)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	correction (dBA) -5 -5 -5 -5 -5 -5 -5 -5	calculation (m)	-888 -888 -888 -888 -888 -888 -888 41
Vacuum truck Light vehicles Truck (v20tone) Generator Light vehicles Truck (v20tone) Generator	109 90 106 103 90 106 95	84 85 81 78 65 81 70	1		No (behind solid barrier)	0 0 0 0 0 0 0 0 0	correction (dBA) -5 -5 -5 -5 -5 -5 -5 -5	calculation (m) 48 48	SPL (dB(A) -888 -888 -888 -888 -888 41 -888 46
Vacuum truck Light vehicles Truck (>20thenne) Generator Light vehicles Truck (>20thenne) Generator Peeumatic Jackhammer	90 106 103 90 106 90 106 95 110	84 65 81 78 65 81 70 85	1		No (behind solid barrier)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	correction (dBA) -5 -5 -5 -5 -5 -5 -5 -5 -5 -5	calculation (m)	-888 -888 -888 -888 -888 -888 -41 -888 -46 -61
Vacuum truck Light vehicles Truck (v20tone) Generator Light vehicles Truck (v20tone) Generator	109 90 106 103 90 106 95	84 85 81 78 65 81 70	1		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) -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5	calculation (m) 48 48	SPL (dB(A) -888 -888 -888 -888 -888 -41 -888 46 -61 -888
Vacuum truck Light vehicles Truck (>20thenne) Generator Light vehicles Truck (>20thenne) Generator Penumatic Jackhammer Mobile Crane	90 108 103 90 108 90 108 95 110 97	84 65 81 78 65 81 70 85 72	1		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) -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5	calculation (m) 48 48	SPL (dB(A) -888 -888 -888 -888 -888 41 -888 46 61 -888 -888
Vacuum truck Light vehicles Truck (>20thenne) Generator Light vehicles Truck (>20thenne) Generator Peeumatic Jackhammer	90 106 103 90 106 90 106 95 110	84 65 81 78 65 81 70 85	1		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) -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5	calculation (m) 48 48	SPL (dB(A) -888 -888 -888 -888 -888 41 -888 46 -61 -888 -888 -888
Vacuum truck Light vehicles Truck (>20thenne) Generator Light vehicles Truck (>20thenne) Generator Penumatic Jackhammer Mobile Crane	90 108 103 90 108 90 108 95 110 97	84 65 81 78 65 81 70 85 72	1		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) -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5	calculation (m) 48 48	SPL (dB(A) -888 -888 -888 -888 -888 -888 -41 -888 -46 -61 -888 -888 -888 -888
Vacuum truck Light vehicles Truck (>20thenne) Generator Light vehicles Truck (>20thenne) Generator Penumatic Jackhammer Mobile Crane	90 108 103 90 108 90 108 95 110 97	84 65 81 78 65 81 70 85 72	1		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) -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5	calculation (m) 48 48	SPL (dB(A) -888 -888 -888 -888 -888 -41 -888 -46 -61 -888 -888 -888 -888 -888
Vacuum truck Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne) Generator Pneumatic Jackhammer Mobile Crane	90 108 103 90 108 90 108 95 110 97	84 65 81 78 65 81 70 85 72	1		No (behind solid barrier) Yess Yes	correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	correction (dBA) -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -0 0 0	calculation (m) 48 48	SPL (dB(A) -688 -688 -888 -888 -888 -41 -888 -61 -888 -888 -888 -888 -888
Vacuum truck Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne) Generator Pneumatic Jackhammer Mobile Crane	90 108 103 90 108 90 108 95 110 97	84 65 81 78 65 81 70 85 72	1		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) -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5	calculation (m) 48 48	SPL (dB(A) -888 -888 -888 -888 -888 -888 -888 -8
Vacuum truck Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne) Generator Pneumatic Jackhammer Mobile Crane	90 108 103 90 108 90 108 95 110 97	84 65 81 78 65 81 70 85 72	1		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) -5 -5 -5 -5 -5 -5 -5 -5 -5 -0 0 0 0	calculation (m) 48 48	SPL (dB(A) -888 -888 -888 -888 -888 -888 -888 -8
Vacuum truck Light vehicles Truck (>20thenne) Generator Light vehicles Truck (>20thenne) Generator Penumatic Jackhammer Mobile Crane	90 108 103 90 108 90 108 95 110 97	84 65 81 78 65 81 70 85 72	1		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 (dBA) -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -0 0 0 0	calculation (m) 48 48	SPL (dB(A) -888 -888 -888 -888 -888 -888 -81 -888 -888 -888 -888 -888 -888 -888 -888 -888
Vacuum truck Light vehicles Truck (v20tonne) Generator Light vehicles Truck (v20tonne) Generator Peneumatic Jackharmer Mobile Crane	90 108 103 90 108 90 108 95 110 97	84 65 81 78 65 81 70 85 72	1		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) -5 -5 -5 -5 -5 -5 -5 -5 -5 -0 0 0 0	calculation (m) 48 48	SPL (dB(A) -888 -888 -888 -888 -888 -888 -888 -8

						•			
					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
concrete saw	117	92			No (behind substantial solid barrier)	▼ 0	-10		-888
					No (behind substantial solid barrier)	0	-10		-888
Mobile Crane	97	72			No (behind substantial solid barrier)	0	-10		-888
Pneumatic Jackhammer	110	85	1		No (behind substantial solid barrier)	0	-10	90	51
Generator	95	70	1		No (behind substantial solid barrier)	0	-10	90	36
Truck (>20tonne)	106	81			No (behind substantial solid barrier)	0	-10		-888
Light vehicles	90	65	1		No (behind substantial solid barrier)	Ö	-10	90	31
Generator	100	''0			No (behind substantial solid barrier) No (behind substantial solid barrier)	0	-10		-888
Truck (>20tonne) Generator	106 103	81 78			No (behind substantial solid barrier) No (behind substantial solid barrier)	0	-10 -10	-	-888 -888
Light vehicles	90	65			No (behind substantial solid barrier)	0	-10		-888
Vacuum truck	109	84			No (behind substantial solid barrier)	0	-10	-	-888
Type/ model plant (See Sources Sheet)	SWL LAeq (dB(A))	SPL @7m (dB(A))	Quantity	Individual distance 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))
Representative distance (m)		50	All at Representative Di	stance (indication	management to rote to differ fluide-				
all plant at the same representative distance to	o the receiver? Y/N	Y 90		(g) te	tigation measures. am member responsible for implementing mitig ttable noise management levels for other noise				Noise Estimat
	Night		46		eep disturbance affected distance for night work	(S.			
	Evening		46		oise management levels . redicted noise levels for each time period.				
Aeq(15minute) Noise mangement level (dB(A))			56		ackground noise levels.				
-	Day (OOHW)		60	(a) p	roject description (including location, duration, h	ours of work, con	struction method	dology, plant, potent	ially impacted i
	Day		65		nd impiement leasible and reasonable additional t a summary report detailing:	ii iiiiayauvii illeas	ures (see rows)	00 to 00j.	
NDE OF EAST DECKS (OBIN TEVER (OB(A))	Night		41		in the 'Is there line of sight to receiver' drop-do nd implement feasible and reasonable additiona		uraa (aaa rawa i	C2 to GE)	
RBL or LA90 Background level (dB(A))	Evening		51		d implement standard mitigation measures whe		asonable. Includ	le any shielding impl	emented as pa
noise area category	Day		55		level above background and/or noise mangem			ote mai vegetanon ai	iu nees are not
Noise area category		Representative Noise Environment	User Input	(c) is	there line of sight to receiver? select from drop in, timber lapped and capped fence, shipping co	down list in cells	F28 to F47. Soli	d barrier can be in th	e form of road
					nter quantity for each selected plant in cells D28 here N is selected from step #6 - enter the dista		or each individua	I plant in celle E28 to	E47
Select type of background noise leve	el input	User Input			enario (e.g. shallow excavation), select plant fro		list in cells A28	to A47 (e.g. dump tr	ucks + excavato
Select area ground type		Developed settlements (urban and			here N is selected - go to step #7				
							N (cell G24):		
Project name			3000					time period (cells D	17 to D19).
Scenario name Receiver address		RP2J Barriers and linemal 234 Newcastle Road	R1466	6. Is all plant (a) w	here user input is selected - enter the measured at the same representative distance to the recei- here Y is selected - enter the representative dis-	iver? Select Y or		time period (cells D	

e. NML									
C. INIVIL									
· · · · · · · · · · · · · · · · · · ·									
				a names	or oxumproo to male output ino motor unou o	atogory.			
Project name		RP2J		(b) where	user input is selected - enter the measured	background nois		time period (cells D	17 to D19).
Scenario name		Barriers and linema			e same representative distance to the recei		N (cell C24):		
Receiver address		234 Newcastle Road			Y is selected - enter the representative dist	ance in cell C25.			
Select area ground type		Developed settlements (urban ar	nd suburban areas)		N is selected - go to step #7 o (e.g. shallow excavation), select plant from		U-41U- 400		
Select type of background noise lev	rel input	User Input			o (e.g. snallow excavation), select plant froi quantity for each selected plant in cells D28		list in cells A28	to A47 (e.g. dump tr	ucks + excav
					N is selected from step #6 - enter the dista		r each individua	I plant in cells E28 to	E47.
		Representative Noise Environment	User Input		e line of sight to receiver? select from drop				
Noise area category					mber lapped and capped fence, shipping co			ote that vegetation a	nd trees are i
	Day		55		I above background and/or noise mangeme element standard mitigation measures wher			le anu chieldine impl	amented as
RBL or LA90 Background level (dB(A))	Evening		51		e 'Is there line of sight to receiver' drop-dov		asunable. Includ	ie any smeiding impi	emented as p
	Night		41		plement feasible and reasonable additiona		ures (see rows	63 to 65).	
	Dav		65	11. Document a s	ummary report detailing:	20 20	GI 18 46 1		
	Day (OOHW)		60		description (including location, duration, he	ours of work, con-	struction methor	dology, plant , potent	ially impacted
LAeq(15minute) Noise mangement level (dB(A))	Evening		56		ound noise levels. management levels.				
			46		nanagement levels . led noise levels for each time period.				
	Night		40		disturbance affected distance for night work	8			
		Ti.	1		on measures.				
s all plant at the same representative distance	to the receiver? Y/N	Y		(g) team r	nember responsible for implementing mitiga	ition measures a	nd managing no	ise and vibration.	
Representative distance (m)	8	135	All at Representative Distan	ce (Note that suitable	noise management levels for other noise-	sensitive busines	ses not identifie	d in the Construction	Noise Estima
							1		
Type/ model plant (See Sources Sheet)	SWL LAeq (dB(A))	SPL @7m (dB(A))	Quantity	Individual distance to		Quantity	Shielding	Distance used in	Contribution
Type moust plant (out out and all out)	arre eried factivity				Is there line of sight to receiver? Y/N	correction	correction		
				receiver (m)	Is there line of sight to receiver? Y/N	correction (dBA)	correction (dBA)	calculation (m)	SPL (dB(A))
Vacuum truck	109	84		receiver (m)	Is there line of sight to receiver? Y/N No (behind solid barrier)				
Vacuum truck Light vehicles	109 90	84 65		receiver (m)		(dBA)	(dBA)		SPL (dB(A
				receiver (m)	No (behind solid barrier)	(dBA) 0	(dBA) -5		SPL (dB(A) -888
Light vehicles	90	65		receiver (m)	No (behind solid barrier) No (behind solid barrier)	(dBA) 0 0	(dBA) -5 -5 -5 -5		-888 -888 -888 -888
Light vehicles Truck (v20tonne) Generator	90 106 103	65 81 78		receiver (m)	No (behind solid barrier)	(dBA) 0 0 0 0 0	(dBA) -5 -5 -5 -5 -5 -5	calculation (m)	SPL (dB(A -888 -888 -888 -888 -888
Light vehicles Truck (>20tonne) Generator Light vehicles	90 106 103	65 81 78 65	1	receiver (m)	No (behind solid barrier)	(dBA) 0 0 0 0 0	-5 -5 -5 -5 -5 -5 -5 -5		-888 -888 -888 -888 -888 -888 31
Light vehicles Truck (<20tonne) Generator Light vehicles Truck (<20tonne)	90 106 103 90 106	65 81 78 65 81		receiver (m)	No (behind solid barrier)	(dBA) 0 0 0 0 0 0 0	(dBA) -5 -5 -5 -5 -5 -5 -5 -5	calculation (m)	-888 -888 -888 -888 -888 -888 -888 31 -888
Light vehicles Truck (+20tonne) Generator Light vehicles Truck (+20tonne) Generator	90 106 103 90 106 95	65 81 78 65 81 70	1	receiver (m)	No (behind solid barrier)	(dBA) 0 0 0 0 0 0 0	(dBA) -5 -5 -5 -5 -5 -5 -5 -5 -5	135	-888 -888 -888 -888 -888 -888 -888 -88
Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne)	90 106 103 90 106 95 110	65 81 78 65 81 70 85		receiver (m)	No (behind solid barrier)	(dBA) 0 0 0 0 0 0 0	(dBA) -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5	calculation (m)	SPL (dB(A) -888 -888 -888 -888 -888 -888 31 -888 36 -51
Light vehicles Truck (-20tonne) Generator Light vehicles Truck (-20tonne) Generator	90 106 103 90 106 95	65 81 78 65 81 70	1	receiver (m)	No (behind solid barrier)	(dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	(dBA) -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5	135	SPL (dB(A -888 -888 -888 -888 -888 -888 -31 -888 -36 -51 -888
Light vehicles Truck (z20tonne) Generator Light vehicles Truck (z20tonne) Generator Pneumatio Jackhammer	90 106 103 90 106 95 110	65 81 78 65 81 70 85	1	receiver (m)	No (behind sold barrier)	(dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	(dBA) -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5	135	SPL (dB(A) -888 -888 -888 -888 -888 -888 -31 -888 -36 -51
Light vehicles Truck (22/bonne) Generator Light vehicles Truck (22/bonne) Generator Pneumatio Jackhammer	90 106 103 90 106 95 110	65 81 78 65 81 70 85	1	receiver (m)	No (behind solid barrier)	(dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	(dBA) -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5	135	SPL (dB(A -888 -888 -888 -888 -888 -888 -31 -888 -36 -51 -888
Light vehicles Truck (-2/itone) Generator Light vehicles Truck (-2/itone) Generator Pneumatic Jackhammer Mobile Crane	90 106 103 90 106 95 110 97	65 81 78 65 81 70 85	1	receiver (m)	No (behind sold barrier)	(dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	(dBA) -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5	135	SPL (dB(A -888 -888 -888 -888 -888 -31 -888 -36 -51 -888 -888
Light vehicles Truck (-2/dione) Generator Light vehicles Truck (-2/dione) Generator Peumalio Jackhammer Mobile Crane	90 106 103 90 106 95 110 97	65 81 78 65 81 70 85	1	receiver (m)	No (behind solid barrier)	(dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	(dBA) -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5	135	SPL (dB(A -888 -888 -888 -888 -888 -31 -888 -36 -51 -888 -888
Light vehicles Truck (-2/dione) Generator Light vehicles Truck (-2/dione) Generator Peumalio Jackhammer Mobile Crane	90 106 103 90 106 95 110 97	65 81 78 65 81 70 85	1	receiver (m)	No (behind 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) -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5	135	SPL (dB(A -888 -888 -888 -888 -888 -31 -888 -36 -51 -888 -888 -888 -888
Light vehicles Truck (-2/itone) Generator Light vehicles Truck (-2/itone) Generator Pneumatic Jackhammer Mobile Crane	90 106 103 90 106 95 110 97	65 81 78 65 81 70 85	1	receiver (m)	No (behind solid barrier) Yes Yes Yes	(dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	(dBA) -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -0 0 0	135	SPL (dB(A -888 -888 -888 -888 -888 -31 -888 -36 -51 -888 -888 -888 -888
Light vehicles Truck (-2/itone) Generator Light vehicles Truck (-2/itone) Generator Pneumatic Jackhammer Mobile Crane	90 106 103 90 106 95 110 97	65 81 78 65 81 70 85	1	receiver (m)	No (behind solid barrier) 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) -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5	135	SPL (dB(A) -888 -888 -888 -888 -888 -36 -51 -888 -888 -888 -888 -888 -888 -888
Light vehicles Truck (-2/dione) Generator Light vehicles Truck (-2/dione) Generator Peumalio Jackhammer Mobile Crane	90 106 103 90 106 95 110 97	65 81 78 65 81 70 85	1	receiver (m)	No (behind solid barrier) 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) -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5	135	SPL (dB(A) -888 -888 -888 -888 -888 -888 -888 -8
Light vehicles Truck (-2/Mone) Generator Light vehicles Truck (-2/Mone) Generator Pneumatic Jackhammer Mobile Crane	90 106 103 90 106 95 110 97	65 81 78 65 81 70 85	1	receiver (m)	No (behind solid barrier) 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) -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5	135	SPL (dB(A) -888 -888 -888 -888 -888 -31 -888 -888

7. Concrete saw - NCA4 R1231 (195 Newcastle Road Jesmond)

a. Worst case

Project name		RP2J				
Scenario name		concrete sav	,			
Receiver address		193 New castle Road, Jesmond (R1231)				
Select area ground type		Developed settlements (urban and suburban areas)				
Select type of background noise leve	l input	User Input				
	1	Representative Noise Environment	User Input			
Noise area category		*				
	Day		47			
RBL or LA96 Background level (dB(A))	Evening		46			
	Night		36			
	Day		57			
LAeg(15minute) Noise mangement level (dB(A))	Day (OOHW)		52			
Exequinimate) noise mangement level (ub(x))	Evening		51			
	Night		41			
			•			
s all plant at the same representative distance to	the receiver? Y/N	Y				
Representative distance (m)		55	All at Representative Distan			

(b) where user limput 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 - op 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 P47. Solid barrier can be in the form of r oad 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 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 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) independent and the period.
(e) seep 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)	Contribution SPL (dB(A))
Vacuum truck	109	84			No (behind substantial solid barrier)	0	-10		-888
Light vehicles	90	65			No (behind substantial solid barrier)	0	-10		-888
Truck (>20tonne)	106	81			No (behind substantial solid barrier)	0	-10		-888
Generator	95	70	1		No (behind substantial solid barrier)	0	-10	55	40
					No (behind substantial solid barrier)	0	-10		-888
Light vehicles	103	78	. 1		No (behind substantial solid barrier)	0	-10	55	48
Truck (>20tonne)	106	81			No (behind substantial solid barrier)	0	-10		-888
Generator	103	78			No (behind substantial solid barrier)	0	-10		-888
Pneumatic Jackhammer	110	85			No (behind substantial solid barrier)	0	-10		-888
Mobile Crane	103	78			No (behind substantial solid barrier)	0	-10		-888
					No (behind substantial solid barrier)	0	-10		-888
Concrete saw	118	93	1	(No (behind substantial solid barrier)	0	-10	55	63
				i i	No (behind substantial solid barrier)	0	-10		-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
					No (behind substantial solid barrier)	0	-10		-888
					No (behind substantial solid barrier)	0	-10		-888
					Yes	0	0		-888
					Yes	0	0		-888

b. +25

Representative distance (m)

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

Scenario name						
Receiver address		193 Newcastle Road, Jesmond (R1231) Developed settlements (urban and suburban areas)				
Select area ground type	N/7 (N)					
Select type of background noise leve	l input	User Input				
		Representative Noise Environment	User Input			
Noise area category			**			
Joo area category	Day		47			
RBL or LA90 Background level (dB(A))	Evening		46			
	Night		36			
	Day		57			
LAeg(15minute) Noise mangement level (dB(A))	Day (OOHW)		52			
Liked(Isminute) noise mangement lever (db(A))	Evening		51			
	Night		41			

(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 ostep #7

7. For the scenario (e.g. shallow excavation), select plant from the drop-drown 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 slight 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 cont
8. Identify the level above background and/or noise mangement level (see rows 57 to E2).
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 slight 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 leafed distance for night works.
(c) noise management levels doed time period.
(d) the plant suitable noise management levels for other noise -sensitive businesses not identified in the Construction Noise Estimator shix (Note that suitable noise management levels for other noise -sensitive businesses not identified in the Construction Noise Estimator shix

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

Is there line of sight to receiver? Y/N Type/ model plant (See Sources Sheet) SWL LAeg (dB(A)) SPL @7m (dB(A)) Quantity 42 118 Concrete saw 93 -888 -888

All at Representative Distance

Project name		RP2J		(h) where	user input is selected - enter the measured	hackground nois	e level for each	time period (cells D	17 to D19)
Scenario name									
Receiver address		concrete saw 193 Newcastle Road, Jesn		6. Is all plant at the same representative distance to the received (R1231) (a) where Y is selected - enter the representative dist			N (cell G24).		
Select area ground type					N is selected - onto step #7	ance in cen 025.			
Select type of background noise le		Developed settlements (urban an	7.5 (6. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.					to A47 (e.g. dump tr	icks + excavator
Select type of background noise le	verinput	User Input			quantity for each selected plant in cells D28		nat in cons A20	to A+1 (c.g. dump in	acks - Cacavato
					N is selected from step #6 - enter the distar		r each individua	al plant in cells E28 to	E47.
		Representative Noise Environment	User Input	(c) is ther	e line of sight to receiver? select from drop of	lown list in cells	F28 to F47. Soli	d barrier can be in th	e form of road o
Noise area category					mber lapped and capped fence, shipping co			ote that vegetation a	nd trees are not
	Day		47		el above background and/or noise mangeme olement standard mitigation measures where				
RBL or LA96 Background level (dB(A))	Evening		46		ne 'Is there line of sight to receiver' drop-dov		asonable. Includ	ie any snieiding impi	ementeu as pa i
	Night		36	the selection in the 1s there line of signs to receiver grop-gown line selection in the 1st there line of signs to receiver grop-gown line as 10. Identify and implement feasible and reasonable additional mitigation measures (see rows 63 to 65).					
LAeg(15minute) Noise mangement level (dB(A))	Day		57		ummary report detailing:				
	Day (OOHW)		52		t description (including location, duration, he	urs of work, con:	struction method	dology, plant , potent	ially impacted re
LAeq(Ibminute) Noise mangement level (db(A))	Evening	1	51		(b) background noise levels. (c) noise management levels.				
	Night		41		ted noise levels for each time period.				
).	7.		disturbance affected distance for night work	S.			
Is all plant at the same representative distance	to the receiver? Y/N	Y			ion measures. nember responsible for implementing mitiga	tion measures a	nd managing no	ise and vibration.	
Representative distance (m)		115	All at Representative Distance	(Note that suitable	noise management levels for other noise-s	ensitive 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	ndividual 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	90	65							
Truck (>20tonne)			l l		No (hehind outletantial entid harrier)	0	10		222
					No (behind substantial solid barrier)	0	-10 -10		-888 -888
	106 95	81 70	1		No (behind substantial solid barrier)	0	-10	115	-888
Generator	95	70	1		No (behind substantial solid barrier) No (behind substantial solid barrier)	0	-10 -10	115	-888 33
Generator	95	70	1		No (behind substantial solid barrier) No (behind substantial solid barrier) No (behind substantial solid barrier)	0 0	-10 -10 -10		-888 33 -888
Generator Light vehicles	95 103	70 78	1		No (behind substantial solid barrier)	0 0 0	-10 -10 -10 -10	115	-888 33 -888 41
Generator Light vehicles Truck (>20tonne)	95 103 106	70 78 81	1		No (behind substantial solid barrier)	0 0	-10 -10 -10 -10 -10		-888 33 -888
Generator Light vehicles	95 103	70 78	1		No (behind substantial solid barrier)	0 0 0 0	-10 -10 -10 -10		-888 33 -888 41 -888
Generator Light vehicles Truck (>20tonne) Generator	95 103 106 103	70 78 81 78	1		No (behind substantial solid barrier)	0 0 0 0 0	-10 -10 -10 -10 -10 -10		-888 33 -888 41 -888 -888
Generator Light vehicles Truck (>20tonne) Generator Pneumatic Jackhammer	95 103 106 103 110	70 78 81 78 85	1		No (behind substantial solid barrier)	0 0 0 0 0 0	-10 -10 -10 -10 -10 -10 -10		-888 33 -888 41 -888 -888
Generator Light vehicles Truck (>20tonne) Generator Pneumatic Jackhammer	95 103 106 103 110	70 78 81 78 85	1		No (behind substantial solid barrier)	0 0 0 0 0 0 0	-10 -10 -10 -10 -10 -10 -10 -10		-888 33 -888 41 -888 -888 -888
Generator Light vehicles Truck (>20tonne) Generator Pneumatic Jackhammer Mobile Crane	95 103 106 103 110 103	70 78 81 78 85 78	1		No (behind substantial sold barrier)	0 0 0 0 0 0 0	-10 -10 -10 -10 -10 -10 -10 -10 -10	115	-888 33 -888 41 -888 -888 -888 -888
Generator Light vehicles Truck (>20tonne) Generator Pneumatic Jackhammer Mobile Crane	95 103 106 103 110 103	70 78 81 78 85 78	1 1 1		No (behind substantial sold barrier)	0 0 0 0 0 0 0 0	-10 -10 -10 -10 -10 -10 -10 -10 -10 -10	115	-888 33 -888 41 -888 -888 -888 -888 -888 -888
Generator Light vehicles Truck (>20tonne) Generator Pneumatic Jackhammer Mobile Crane	95 103 106 103 110 103	70 78 81 78 85 78	1 1 1		No (behind substantial sold barrier)	0 0 0 0 0 0 0 0 0 0	-10 -10 -10 -10 -10 -10 -10 -10 -10 -10	115	-888 33 -888 41 -888 -888 -888 -888 -888 -888 -
Generator Light vehicles Truck (>20tonne) Generator Pneumatic Jackhammer Mobile Crane	95 103 106 103 110 103	70 78 81 78 85 78	1		No (behind substantial sold barrier)	0 0 0 0 0 0 0 0 0 0 0	-10 -10 -10 -10 -10 -10 -10 -10 -10 -10	115	-888 33 -888 41 -888 -886 -888 -888 -888 -888 -888 -88
Generator Light vehicles Truck (>20tonne) Generator Pneumatic Jackhammer Mobile Crane	95 103 106 103 110 103	70 78 81 78 85 78	1 1 1		No (behind substantial sold barrier)	0 0 0 0 0 0 0 0 0 0	-10 -10 -10 -10 -10 -10 -10 -10 -10 -10	115	-888 33 -888 41 -886 -886 -886 -886 -886 -886 -888 -888

d. +5

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

Project name	Project name				user input is selected - enter the measured			time period (cells D	17 to D19).
Scenario name		concrete saw		Is all plant at the same representative distance to the receiver? Select Y or N (cell C24):					
Receiver address		193 Newcastle Road, Jesmi	ond (R1231)		Y is selected - enter the representative dist	tance in cell C25.			
Select area ground type		Developed settlements (urban and	(b) where N is selected - go to step #7 (b) where N is selected - go to step #7 (c) where N is selected - go to step #7 (b) where N is selected - go to step #7 (c) where N is selected - go to step #7 (c) where N is selected - go to step #7 (d) where N is selected - go to step #7 (e) where N is selected - go to step #7 (e) where N is selected - go to step #7 (f) where N is selected - go to step #7 (g) where N is selected - go to step #7 (g) where N is selected - go to step #7 (h) where N is selected - go to step #7 (h) where N is selected - go to step #7 (ii) where N is selected - go to step #7 (iii) where						
Select type of background noise let	rel input	User Input			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 tru	ucks + excavat
					e N is selected from step #6 - enter the dista		or each individua	I plant in cells F28 to	F47
W112		Representative Noise Environment	User Input	(c) is the	re line of sight to receiver? select from drop	down list in cells	F28 to F47. Soli	d barrier can be in th	e form of road
Noise area category					imber lapped and capped fence, shipping co			ote that vegetation ar	nd trees are no
	Day		47		el above background and/or noise mangeme				
RBL or LA90 Background level (dB(A))	Evening		46	 Identify and implement standard mitigation measures where the selection in the 'ls there line of sight to receiver' drop-down 		asonable. Includ	e any snielding impi	emenied as pa	
	Night		36		mplement feasible and reasonable additional		ures (see rows 6	63 to 65).	
	Day		57		summary report detailing:				
Aeq(15minute) Noise mangement level (dB(A))	Day (OOHW)		52		ct description (including location, duration, he ground noise levels.	hours of work, construction methodology, plant , potentially imp			
	Evening		51		management levels.				
	Night		41		cted noise levels for each time period.				
					disturbance affected distance for night work	S.			
s all plant at the same representative distance	to the receiver? Y/N	Y			tion measures. member responsible for implementing mitiga	ation measures a	nd managing no	ise and vibration.	
Representative distance (m)	N	260	All at Representative Dist	nce (Note that suitable	e noise management levels for other noise -	sensitive busines	ses not identifie	d in the Construction	Noise Estimat
Representative distance (m		260	All at Representative Dist	(Note that suitable	e noise management levels for other noise -	sensitive busines		d in the Construction	Noise Estimat
Representative distance (m Type/ model plant (See Sources Sheet)	SWL LAeq (dB(A))	260 SPL @7m (dB(A))	All at Representative Dist	Individual distance to receiver (m)	ls there line of sight to receiver? Y/N	Quantity correction	Shielding correction	Distance used in calculation (m)	
10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				Individual distance to	1	Quantity	Shielding	Distance used in	Contribution
Type/ model plant (See Sources Sheet)	SWL LAeq (dB(A))	SPL @7m (dB(A))		Individual distance to	Is there line of sight to receiver? Y/N	Quantity correction (dBA)	Shielding correction (dBA)	Distance used in	Contribution SPL (dB(A))
Type/ model plant (See Sources Sheet) Vacuum truck	SWL LAeq (dB(A))	SPL @7m (dB(A)) 84		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	Contribution SPL (dB(A))
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles	SWL LAeq (dB(A)) 109 90	SPL @7m (dB(A)) 84 65		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 -10 -10 -10	Distance used in	Contribution SPL (dB(A)) -888 -888 -888 23
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (<20tonne)	SWL LAeq (dB(A)) 109 90 106 95	SPL@7m (dB(A)) 84 65 81 70		Individual 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 0 0	Shielding correction (dBA) -10 -10 -10 -10 -10 -10	Distance used in calculation (m)	Contribution SPL (dB(A)) -888 -888 -888 23 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (<20tonne)	SWL LAeq (dB(A)) 109 90 106 95	SPL@7m (dB(A)) 84 65 81 70 78		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 -10 -10 -10 -10 -10	Distance used in calculation (m)	Contribution SPL (dB(A)) -888 -888 -888 -23 -888 31
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne) Generator	SWL LAeq (dB(A)) 109 90 106 95 103 106	SPL @7m (dB(A)) 84 65 81 70 78 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 0 0 0 0 0 0 0 0 0 0	Shielding correction (dBA) -10 -10 -10 -10 -10 -10 -10 -10 -10	Distance used in calculation (m)	Contribution SPL (dB(A)) -888 -888 -888 23 -888 31 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tone) Generator Light vehicles	SWL LAeq (dB(A)) 109 90 106 95 103 106 107	SPL@7m (dB(A)) 84 65 81 70 78 61 78	Quantity 1	Individual distance to	Is there line of sight to receiver? Y/N 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 -10	Distance used in calculation (m)	Contribution SPL (dB(A)) -888 -888 -888 23 -888 31 -888 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>2/btonne) Generator Light vehicles Truck (>2/btonne)	SWL LAeq (dB(A)) 109 90 106 95 103 106 107 108 109 109	SPL @7m (dB(A)) 84 65 61 70 78 61 78 81 85	Quantity 1	Individual distance to	Is there line of sight to receiver? Y/N No (behind substantial solid barrier)	Quantity correction (dBA) 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)	Contribution SPL (dB(A)) -888 -888 -888 -888 31 -888 -888 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (= 20tonne) Generator Light vehicles Truck (= 20tonne) Generator	SWL LAeq (dB(A)) 109 90 106 95 103 106 107	SPL@7m (dB(A)) 84 65 81 70 78 61 78	Quantity 1	Individual distance to	Is there line of sight to receiver? Y/N 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 -10	Distance used in calculation (m)	Contribution SPL (dB(A)) -888 -888 -888 23 -888 31 -888 -888 -888 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne) Generator Procurator Pneumato Jackhammer	SWL LAeq (dB(A)) 109 90 106 95 103 106 107 108 109 109	SPL @7m (dB(A)) 84 65 61 70 78 61 78 81 85	Quantity 1	Individual 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	Shielding correction (dBA) -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	Distance used in calculation (m)	Contribution SPL (dB(A)) -888 -888 -888 -888 31 -888 -888 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne) Generator Procurator Pneumato Jackhammer	SWL LAeq (dB(A)) 109 90 106 95 103 106 107 108 109 109	SPL @7m (dB(A)) 84 65 61 70 78 61 78 81 85	Quantity 1	Individual distance to	Is there line of sight to receiver? Y/N 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 -10	Distance used in calculation (m)	Contribution SPL (dB(A)) -888 -888 -888 23 -888 31 -888 -888 -888 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne) Generator Pheumatic Jackhammer Mobile Crane	SWL LAeq (dB(A)) 109 90 106 95 103 106 103 110 110 103	SPL@7m (dB(A)) 84 65 65 81 70 78 81 81 88 81 78	Quantity 1	Individual distance to	Is there line of sight to receiver? Y/N No (behnd 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) 260 260	Contribution SPL (dB(A)) -888 -888 -888 -888 -888 -888 -888 -
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne) Generator Pheumatic Jackhammer Mobile Crane	SWL LAeq (dB(A)) 109 90 106 95 103 106 103 110 110 103	SPL@7m (dB(A)) 84 65 65 81 70 78 81 81 88 81 78	Quantity 1	Individual distance to	Is there line of sight to receiver? Y/N No (behind substantial 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 -10 -10 -10 -10 -10 -10 -10 -10	Distance used in calculation (m) 260 260	Contribution SPL (dB(A)) -888 -888 -888 -888 31 -888 -888 -888 -
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne) Generator Pheumatic Jackhammer Mobile Crane	SWL LAeq (dB(A)) 109 90 106 95 103 106 103 110 110 103	SPL@7m (dB(A)) 84 65 65 81 70 78 81 81 88 81 78	Quantity 1	Individual 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	Shielding correction (dBA) -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	Distance used in calculation (m) 260 260	Contribution SPL (dB(A)) -888 -888 -888 23 -888 31 -888 -888 -888 -888 -888 -888
Type/ model plant (See Sources Sheet) Vacuum truck Light vehicles Truck (>20tonne) Generator Light vehicles Truck (>20tonne) Generator Pheumatic Jackhammer Mobile Crane	SWL LAeq (dB(A)) 109 90 106 95 103 106 103 110 110 103	SPL@7m (dB(A)) 84 65 65 81 70 78 81 81 88 81 78	Quantity 1	Individual 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) 260 260	Contribution SPL (dB(A)) -888 -888 -888 -888 -888 -888 -888 -

e. NML

Project name		RP2J	
Scenario name		concrete saw	
Receiver address		193 Newcastle Road, Jesmon	d (R1231)
Select area ground type		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		47
RBL or LA90 Background level (dB(A))	Evening		User Input 47 46 36 57
	Night		36
	Day		57
Aeg(15minute) Noise mangement level (dB(A))	Day (OOHW)		52
.Aeq(Isminute) Noise mangement level (db(A))	Evening		User Input 47 46 36 57
	Night		41

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

5. 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.

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 r oad cut curtain, timber lapped and capped fence, shipping container, site office, cit. Pleasa 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 miligation measures where feasible and reasonable. Include any shielding implemented as part of the selection in the is there line of sight to receiver drop-down list.

10. Identify and implement standard miligation enable 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) the properties of the period.
(e) sleep disturbance affected distance for night works.
(f) miligation measures.
(g) team member responsible for implementing mitigation measures and managing noise and vibration.

Representative distance (m)		400	All at Representative Distan	ce (Note that suitab	(Note that suitable noise management levels for other noise-sensitive businesses not identified in the Construction Noise Esting						
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	90	65			No (behind substantial solid barrier)	0	-10		-888		
Truck (>20tonne)	106	81			No (behind substantial solid barrier)	0	-10		-888		
Generator	95	70	1		No (behind substantial solid barrier)	0	-10	400	18		
					No (behind substantial solid barrier)	0	-10		-888		
Light vehicles	103	78	1		No (behind substantial solid barrier)	0	-10	400	26		
Truck (>20tonne)	106	81			No (behind substantial solid barrier)	0	-10		-888		
Generator	103	78			No (behind substantial solid barrier)	0	-10		-888		
Pneumatic Jackhammer	110	85			No (behind substantial solid barrier)	0	-10		-888		
Mobile Crane	103	78			No (behind substantial solid barrier)	0	-10		-888		
					No (behind substantial solid barrier)	0	-10		-888		
Concrete saw	118	93	1		No (behind substantial solid barrier)	0	-10	400	41		
					No (behind substantial solid barrier)	0	-10		-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		
					No (behind substantial solid barrier)	0	-10		-888		
					No (behind substantial solid barrier)	0	-10		-888		
					Yes	0	0		-888		
					Yes	0	0		-888		