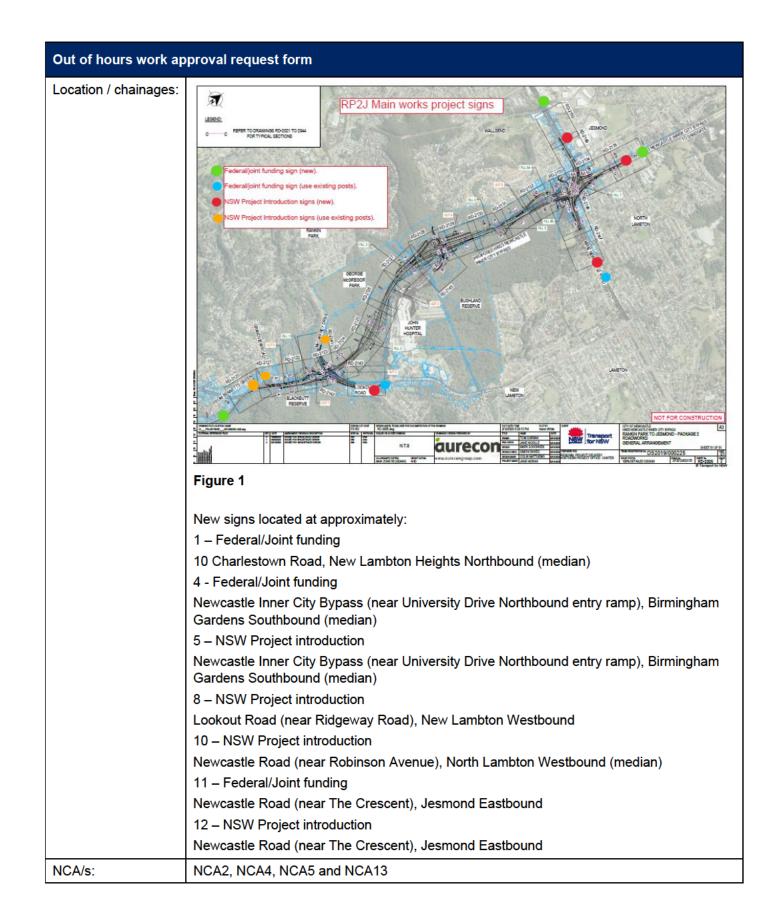
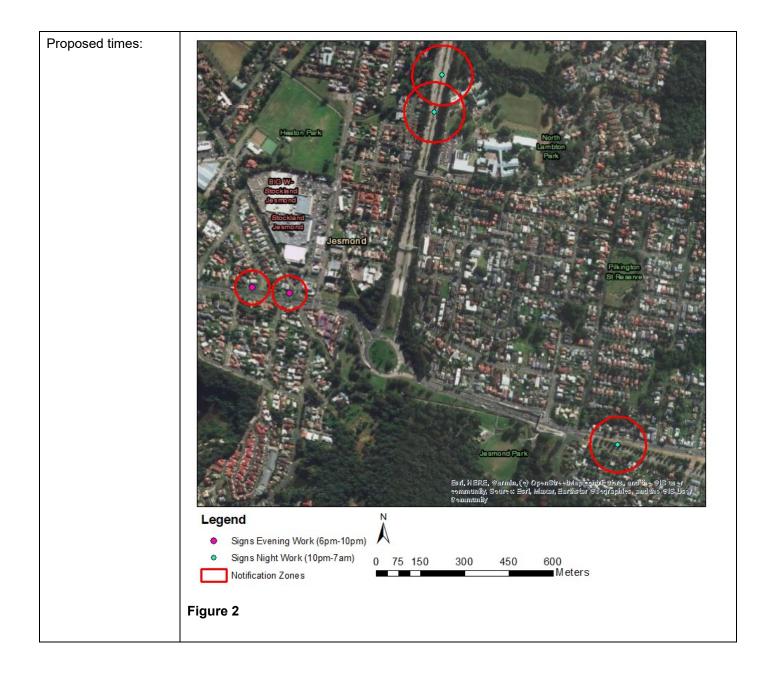
RP2J Project OOHW application form

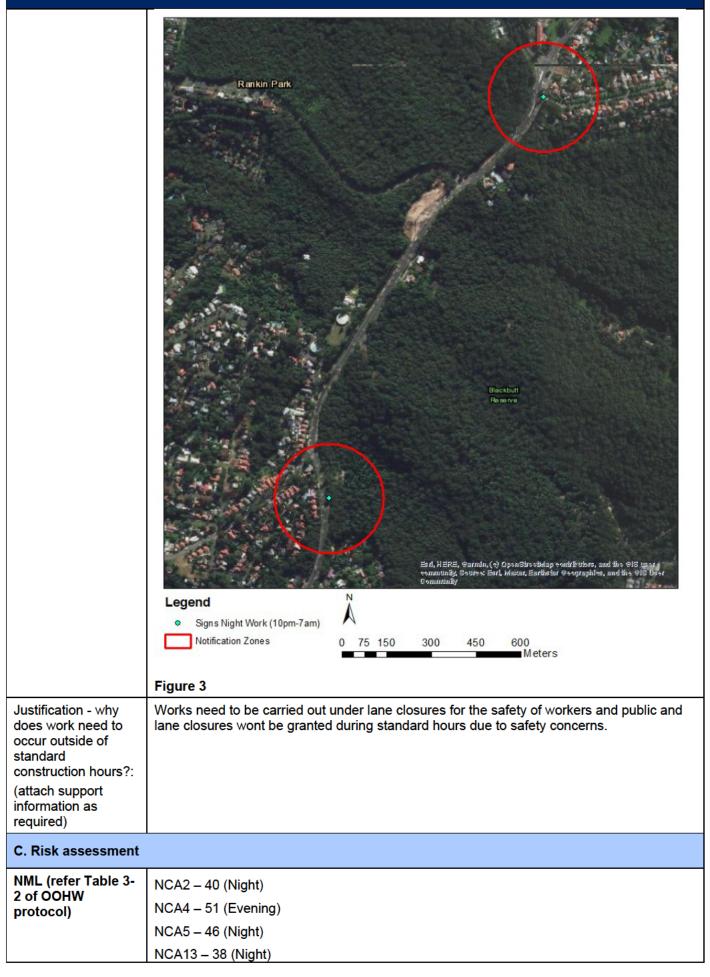
Out of hours work approval request form						
No:	Notification date:	Approval date:	Project:			
036	11 October 2022	11/10/2022	RP2J			
A. Contact details	Name	Mobile number	Email			
Contractor Environmental Site Representative						
Contractor Construction Manager						
Contractor Foreman						
Contractor Project Engineer						
B. Details of work: Include a map showing location of work extent and nearest sensitive receivers						



Out of hours work approval request form					
Description of works – also include a brief description of the sequence of activities:	 The proposed change is anticipated to involve the following work methodology: Dial Before You Dig to confirm the location of existing services Non-destructive potholing to identify services and/or to complete post holes to requisite depths Auger or excavate postholes if required following the above. Postholes would be about 200 millimeters in diameter to a depth of 1.5 metres Installation of steel posts about 65 millimetres in diameter by about five metres in length, and backfill with quickset concrete After curing, install project signage. Post installation would take up to 2 hours to complete at each location. Signage installation would take between 30-60 minutes at each location. 				
Machinery/ plant to be used	 Small rigid truck with hiab. Vacuum truck (loudest equipment) Site utility and traffic control vehicles. Hand tools. Small digger with auger attachment if required. 				
Traffic control measures required:	OOHW lane closures for Charlestown Road, Lookout Road, Newcastle Road, and Newcastle Inner City Bypass.				
Lighting required:	Portable lighting or lighting towers will be used to illuminate the work area and be directed away from residential receivers to avoid light spill				
Proposed dates:	16/10/22 – 21/10/22 (weather permitting)				



Out of hours work approval request form



Out of hours work approval request form					
Is the work highly noise intensive? (above 75dB(A ₎ L _{Aeq} (15 minute))	No				
Risk factor category (refer section 4.3 of OOHW protocol):	Low Risk. Maximum worst case predicted noise level ($L_{Aeq 15min}$) = 55 dB(A) at the relevant residential receiver and is less than 25dB(A) above the RBL 33dB(A)).				
D. Details of noise or vibration assessment completed:					

Comments:

A noise assessment has been undertaken using the TfNSW noise estimator tool. The outputs are provided below. Noting this assessment was based on the nosiest piece of plant (vaccum truck).

Transport Roads & Maritime Services Please input information into yellow cells Please pick from drop-down list in orange cells Project name	Noise Est	imator (Individual P	lant)	5. Select the type ((a) where of (b) where	name (cell C10), ddress (cell C11), and type (cell C12) - water, undeveloped gree of background noise level input - Representative representative noise environment is selected examples to help select the noise are categ user input is selected - enter the measured b	tive noise enviror - select the appro jory. ackground noise l	nment (to make opriate noise are evel for each tir	assumptions) or user a category (cell C16)	input (where nois). The worksheet t
Scenario name Receiver address		NDD Newcastle Rd (ND	CA4)	(a) where	e same representative distance to the receive Y is selected - enter the representative distan		(cell C24):		
Select area ground type Select type of background noise let	vel input	Developed settlements (urban an User Input		7. For the scenario	N is selected - go to step #7 (e.g. shallow excavation), select plant from t	he drop-down list	in cells A28 to	A47 (e.g. dump truck	s + excavator).
				(b) where	uantity for each selected plant in cells D28 to N is selected from step #6 - enter the distanc	e to receiver for e	ach individual p	lant in cells E28 to E4	47.
Noise area category		Representative Noise Environment	User Input	timber lap	line of sight to receiver? select from drop do ped and capped fence, shipping container, sit	te office, etc. Plea	se note that veg	parrier can be in the for getation and trees are	orm of road cutting a not considered to
RBL or LA90 Background level (dB(A))	Day Evening		46	9. Identify and imp	I above background and/or noise mangement lement standard mitigation measures where t	leasible and reaso	57 to 62). onable. Include	any shielding implem	ented as part of th
KBE OF EAST BACKground level (db(A))	Night		36	10. Identify and im	there line of sight to receiver' drop-down list. plement feasible and reasonable additional n	nitigation measure	es (see rows 63	to 65).	
	Day Day (OOHW)			(a) project	ummary report detailing: description (including location, duration, hou	rs of work, constru	uction methodol	ogy, plant , potentially	y impacted receive
LAeq(15minute) Noise mangement level (dB(A))	Evening Night		51 41	(c) noise n	ound noise levels. nanagement levels . ed noise levels for each time period.				
				(e) sleep d	ed noise levels for each time period. listurbance affected distance for night works. on measures.				
Is all plant at the same representative distance	to the receiver? Y/N	Y			on measures. tember responsible for implementing mitigation	on measures and	managing noise	and vibration.	
Representative distance (m)	15	All at Representative Dista	nce (Note that suitable	noise management levels for other noise-ser	nsitive businesses	s not identified in	n the Construction an	d Maintenance No
Type/ model plant (See Sources Sheet)	SWL LAeq (dB(A))	SPL @7m (dB(A))	Quantity	Individual distance to	Is there line of sight to receiver? Y/N	Quantity correction	Shielding correction	Distance used in	Contribution
			quantity	receiver (m)		(dBA)	(dBA)	calculation (m)	SPL (dB(A))
Vacuum truck	101	76	1	15	No (behind solid barrier) Yes	0	-5 0	15	64 -888
					Yes Yes	0	0		-888 -888
					Yes	0	0		-888
					Yes Yes	0	0		-888
					Yes Yes	0	0		-888 -888
					Yes	0	0		-888
					Yes Yes	0	0		-888
					Yes Yes	0	0		-888
					Yes	0	0		-888
					Yes Yes	0	0		-888
					Yes	0	0		-888
					Yes Yes	0	0		-888 -888
Transport Roads & Maritime Noise Estimator (Individual Plant) Please input information into yellow cells									
Please pick from drop-down list in orange cells Project name	Noise Esti	mator (Individual P	lant)	1. Enter project na 2. Enter scenario r 3. Enter receiver a 4. Select area grou 5. Select the type ((a) where i number of	name (cell C10). ddress (cell C11). and type (cell C12) - water, undeveloped grea of background noise level input - Representa representative noise environment is selected	tive noise environ - select the appropriate	nment (to make opriate noise an	assumptions) or use ea category (cell C16	r input (where nois). The worksheet t
Please pick from drop-down list in orange cells		RP2J NDD		1. Enter project na 2. Enter scenario 7 3. Enter receiver a 4. Select the type ((a) where (number of (b) where (6. Is all plant at the	ame (cell C10). ddress (cell C11). ind type (cell C12) - water, undeveloped gree of background noise level input - Representa representative noise environment is selected examples to help select the noise area cater	ative noise environ - select the appro- gory. ackground noise r? Select Y or N	nment (to make opriate noise an level for each tii	assumptions) or use ea category (cell C16	r input (where nois). The worksheet t
Please pick from drop-down list in orange cells Project name Scenario name Receiver address Select area ground type		RP2J NOD Newcastle Rd (NC Developed settlements (urban an	CA5)	1. Enter project na 2. Enter scenario r 3. Enter receiver a 4. Select area grou 5. Select the type of (a) where (b) where (b) where (b) where	name (cell C10). ddress (cell C11). nd type (cell C12) - water, undeveloped grev of background noise level input - Representat representative noise environment is selected examples to help select the noise area categ user input is selected - enter the measured b s ame representative distance to the receive	ative noise environ - select the appro- gory. ackground noise r? Select Y or N nce in cell C25.	nment (to make opriate noise an level for each ti (cell C24):	assumptions) or use ea category (cell C16 me period (cells D17	r input (where nois). The worksheet t to D19).
Please pick from drop-down list in orange cells Project name Scenario name Receiver address		RP2J NDD Newcaste Rd (NC Developed settlements (urban an User Input	2A5) d suburban areas)	1. Enter project na 2. Enter scenario 3. Enter receiver a 4. Select area grou 5. Select the type (a) where number of (b) where: 6. Is all plant at the (a) where 7. For the scenario (a) enter q (b) where	name (cell C10). differss (cell C12). water, undeveloped greet 0 background noise level input - Represent representative noise environment is selected user input is selected - noise area catej user input is selected - noise area catej van input is selected - noise area catej van input is selected - noise area catej van input is selected - noise the measured by 1 is selected - pot ostep π ? van its selected - pot ostep π ? van its selected - pot noise p π ? wantify for each select plant in cells D28 to its selected - pot sete p π ?	ative noise environ - select the appro- gory. ackground noise or? Select Y or N ince in cell C25. the drop-down list p D47. e to receiver for e	nment (to make opriate noise an level for each tii (cell C24): t in cells A28 to each individual p	assumptions) or use ea category (cell C16 me period (cells D17 A47 (e.g. dump truck plant in cells E28 to E	r input (where nois). The worksheet t to D19). (s + excavator). (47.
Please pick from drop-down list in orange cells Project name Scenario name Receiver address Select area ground type		RP2J NOD Newcastle Rd (NC Developed settlements (urban an	CA5)	1. Enter project na 2. Enter scenario 1 3. Enter scenario 1 3. Enter scenario 1 4. Select the type - 1. Select the type - 1. Now the scenario 1 1. Now the scenario 1	name (cell C10). diversa (cell C12) - water, undeveloped greet 0 background noise level input - Represent representative noise environment is selected user input is selected - noise area categ user input is selected - onler the measured b same representative distance to the receive same representative distance to the receive (see shallow execution), selected paint from uantify for each selected plant in cells 028 to its selected from dopp do its selected from dopp do the data categories allowed the distance the data categories de land in cells 028 to the data categories de land in cells 028 to the data categories de lander in cells 028 to the data categories de lander, shipping container, si	tive noise environ - select the appri- gory. ackground noise r? Select Y or N ice in cell C25. the drop-down lisi 0 D47. e to receiver for e win list in cells F2 te office, etc. Plea	nment (to make opriate noise an level for each tii (cell C24): t in cells A28 to each individual g 8 to F47. Solid se note that ve	assumptions) or use ea category (cell C16 me period (cells D17 A47 (e.g. dump truck plant in cells E28 to E barrier can be in the f	r input (where nois). The worksheet t to D19). (s + excavator). (47. form of road cutting
Please pick from drop-down list in orange cells Project name Scientrio name Receiver address Select area ground type Select type of background noise lev Noise area category	el input Day	RP2J NDD Newcaste Rd (NC Developed settlements (urban an User Input	2A5) d suburban areas)	1. Enter project na 2. Enter scenario r 3. Enter scenario r 3. Enter scenario r 4. Select area grou 5. Select the type () where ()	name (cell C10). diverse (cell C12) - water, undeveloped greet 0 background noise level input - Represent representative noise environment is selected user input is selected - noise area categ user input is selected - onler the measured b same representative distance to the receive is selected - enter the representative distance (see shallow exountation), select plant from usuality for each selected plant in cells 028 i is selected from dopp do is selected from dopp do is selected from dopp do ed and capped force, shipping container, sil above background and/or noise mangemen lamot standard mitigation measures where	tive noise enviro. - select the appr pory. ackground noise tr? Select Y or N the drop-down lisi 0 D47. e to receiver for e wn list in cells F2 te office, etc. Plea t level (see rows i feasible and reas	nment (to make opriate noise an level for each tii (cell C24): t in cells A28 to each individual p 8 to F47. Solid ase note that ye 57 to 62).	assumptions) or use ea category (cell C16 me period (cells D17 A47 (e.g. dump truck plant in cells E28 to E barrier can be in the f getation and trees an	r input (where nois). The worksheet t to D19). (s + excavator). (47. form of road cutting e not considered to
Please pick from drop-down list in orange cells Project name Scenario name Receiver address Select area ground type Select type of background noise lev	el input Day Evening Night	RP2J NDD Newcaste Rd (NC Developed settlements (urban an User Input	2A5) Id suburban areas) User Input	1. Enter project na 2. Enter scenario r 3. Enter scenario r 3. Enter scenario r 3. Enter scenario r 4. Select area grou 5. Select the type ((a) where r (b) where r (b) where r (c) but the scenario (c) but th	name (cell C10). didress (cell C12). water, undeveloped greet 0 background noise level input - Represent representative noise environment is selected user input is selected - noise area categ user input is selected - onlier the measured b is selected - onlier the representative distance to the receive Y is selected - onlier the representative distance to the selective (e.g. shallow exceeding the selection of the selective is selected - onlier the representative distance (e.g. shallow exceeding the selection of the N is selected - onlier the distance in or signit to receiver? select from drop do ed and capped frome. Shapping container, si a labove background and/or noise mangemen there line of sight to receiver' drop-down list of the of the selectiver' drop-down list the of selectiver' and reasonable additional n	tive noise enviroi - select the appr jory. ackground noise r? Select Y or N ice in cell C25. the drop-down list D47. e to receiver for e wn list in cells F2 t level (see rows feasible and reas	nment (to make opriate noise an level for each tii (cell C24): t in cells A28 to each individual p 8 to F47. Solid 8 to F47. Solid see note that ve 57 to 62). onable. Include	assumptions) or use ea category (cell C16 me period (cells D17 A47 (e.g. dump truck plant in cells E28 to E barrier can be in the t getation and trees an any shielding implem	r input (where nois). The worksheet t to D19). (s + excavator). (47. form of road cutting e not considered to
Please pick from drop-down list in orange cells Project name Scenario name Receiver address Select area ground type Select type of background noise lev Noise area category RBL or LAS9 Background level (dB(A))	el input Day Evening Night Day Oay (COKW)	RP2J NDD Newcaste Rd (NC Developed settlements (urban an User Input	CAS) Id suburban areas) User Input 51 41	1. Enter project na 2. Enter scenario r 3. Enter scenario r 3. Enter scenario r 4. Select area grou 5. Select the type · (a) where r movie the scenario (b) where r (c) all plant at the (a) where r (b) where r (c) is there (c) is there (c) is there 3. Identify the large 3. Identify and im 11. Document as (a) arge	name (cell C10). didress (cell C12). vater, undeveloped greet 0 background noise level input - Represent representative noise environment is selected user input is selected - enter the measured b same representative distance to the receive vir selected - enter the representative distance to the receive (e.g. shalow excavation), select plant from usnith (or each selected plant is each cell background noise level input - each cell is selected - enter the representative distance (e.g. shalow excavation), select plant from usnith (or each each selected plant is each cell background and/or noise mangemen thement standards nor faces with the or each each each the of sight to receiver' drop-drown list excerption (including location, duration, hou	thive noise environ - select the appri- ackground noise r? Select Y or N nce in cell C25. the drop-down list . D47. e to receiver for e- win list in cells F2 et office, etc. Plet t level (see rows feasible and reas 	nment (to make opriate noise an level for each tii (cell C24): t in cells A28 to each individual p 8 to F47. Solid se note that ve 57 to 62). onable. Include es (see rows 63	assumptions) or use ea category (cell C16 me period (cells D17 A47 (e.g. dump truck slant in cells E28 to E barrier can be in the I getation and trees ar any shielding implem to 65).	r input (where nois). The worksheet t to D19). (s + excavator). (47. form of road cutting e not considered to henned as part of th
Please pick from drop-down list in orange cells Project name Scientrio name Receiver address Select area ground type Select type of background noise lev Noise area category	el input Evening Night Day (OOHV) Evening	RP2J NDD Newcaste Rd (NC Developed settlements (urban an User Input	2A5) di suburban areas) User Input 51	1. Enter project na 2. Enter scenario r 3. Enter receiver a 4. Select area grou 5. Select the type: (a) where: number of (b) where: (c) othere: (c) o	name (cell C10). differss (cell C12). water, undeveloped green of the (cell C12). water, undeveloped green to background noise level input - Representa examples to help select the noise area categ- user input is selected - enter the measured ba- s ame representative distance to the receive 's selected - go to step π^{T} (e.g. shallow excavation), select plant in cells C28 is ine of sight to receiver 3 select from drop do ped and capped fence, shipping container; all above background and/or noise mangemen lement standard mitigation measures where there line of sight to receiver' and con-down list plement feasible and reasonable additional in meany film (including).	thive noise environ - select the appri- ackground noise r? Select Y or N nce in cell C25. the drop-down list . D47. e to receiver for e- win list in cells F2 et office, etc. Plet t level (see rows feasible and reas 	nment (to make opriate noise an level for each tii (cell C24): t in cells A28 to each individual p 8 to F47. Solid se note that ve 57 to 62). onable. Include es (see rows 63	assumptions) or use ea category (cell C16 me period (cells D17 A47 (e.g. dump truck slant in cells E28 to E barrier can be in the I getation and trees ar any shielding implem to 65).	r input (where nois). The worksheet t to D19). (s + excavator). (47. form of road cutting e not considered to henned as part of th
Please pick from drop-down list in orange cells Project name Scenario name Receiver address Select area ground type Select type of background noise lev Noise area category RBL or LAS9 Background level (dB(A))	el input Day Evening Night Day Oay (COKW)	RP2J NDD Newcaste Rd (NC Developed settlements (urban an User Input	2A5) d suburban areas) User Input 51 41 56	1. Enter project na 2. Enter scenario r 3. Enter receiver a 4. Select area grou 5. Select the type - 10, where i number of 6. Is all plant the 6. Is all plant the 7. For the scenario 7. For the scenario 7. For the scenario 7. Job (a enter q 10) where 7. Job	name (cell C10). diverse (cell C12), water, undeveloped greet of background noise level input - Representa- representative noise environment is selection to background noise level input - Representa- uer input is selected - enter the measured ba- s ame representative distance to the receive 's selected - greet the measured ba- (e.g. shallow excavation), select plant from uantity for each selected plant in cells D28 to N selected from step πS - enter the distance ped and capped fence, shipping containers, is labove background and/or noise mangemen lement standard miligation measures where there line of signit to receiver d'onc-dwn list plement feasible and reasonable additional in description (including location, duration, hou description (including location, duration, hou anagement levels ed noise levels for each ime period.	thive noise environ - select the appri- ackground noise r? Select Y or N nce in cell C25. the drop-down list . D47. e to receiver for e- win list in cells F2 et office, etc. Plet t level (see rows feasible and reas 	nment (to make opriate noise an level for each tii (cell C24): t in cells A28 to each individual p 8 to F47. Solid se note that ve 57 to 62). onable. Include es (see rows 63	assumptions) or use ea category (cell C16 me period (cells D17 A47 (e.g. dump truck slant in cells E28 to E barrier can be in the I getation and trees ar any shielding implem to 65).	r input (where nois)). The worksheet t to D19). (ss + excavator). (47. form of road cutting e not considered to hented as part of th
Please pick from drop-down list in orange cells Project name Second on the second of	el input Day Evening Night Day (OOW) Evening Night to the receiver? YN	RP2J NOD New castle Rd (NC Developed settlements (urban an User input Representative Noise Environment	2A5) d suburban areas) User Input 51 41 41 56 46	1. Enter project na 2. Enter scenario r 3. Enter scenario r 3. Enter scenario r 4. Select area grou 5. Select the type ((a) where r (b) where r (b) where r (b) where r (c) where r (b) where r (c) where r (c) is there (c) is th	name (cell C10). diverses (cell C12) - water, undeveloped green of background noise level input - Represent representative noise environment is selected user input is selected - neiter the measured b same representative distance to the receive same representative distance to the receive (see shall over exavation), select plant from usanity for each selected alpant in cells 028 it is selected for ence, shipping container, si above background and/or noise mangemen thement standard end reas sub- thement standard end reas sub- time of sight to receiver' drop-down list above background and/or noise mangemen elsenth standards and reasonable additional in mmary report detailing: angement result eves and time period. Hereid distance affected distance for night works. on measures member responsible for implementing mitigation	thive noise environ - select the appr jory. ackground noise ackground noise rt? Select Y or N. to the drop-down lisi i. D47. the drop-down lisi the drop-down lisi the drop-down lisi i. D47. the drop-down lisi i	nment (to make opriate noise an level for each thi (cell C24): ti in cells A28 to acch individual a 8 to F47. Solid ase note that ve 5 To 62). onable. Include es (see rows 63 uction methodo managing noise	assumptions) or use as category (cell C16 me period (cells D17 A47 (e.g. dump truck lant in cells E28 to E getation and trees an any shielding implem to 65). loggy, plant, potentiall e and vibration.	r input (where nois). The worksheet t to D19). ss + excavator). 47. form of road cuttinn, end considered th hented as part of th hy impacted receive
Please pick from drop-down list in orange cells Project name Seciario name Receiver address Select type of background noise lev Select type of background noise lev Noise area category RBL or LA90 Background level (dB(A)) LAeq(15minute) Noise mangement level (dB(A))	el input Day Evening Night Day (OOW) Evening Night to the receiver? YN	RP2J NOD New castle Rd (NC Developed settlements (urban an User input Representative Noise Environment	2A5) d suburban areas) User Input 51 41 56	1. Enter project na 2. Enter scenario r 3. Enter scenario r 3. Enter scenario r 4. Select area grou 5. Select the type ((a) where r (b) where r (b) where r (b) where r (c) where r (b) where r (c) where r (c) is there (c) is th	name (cell C10). diverses (cell C12) - water, undeveloped green of background noise level input - Represent representative noise environment is selected user input is selected - neiner the measured b same representative distance to the receive same representative distance to the receive (e.g. shallow excavation), select plant from uantity for each selected plant in cells 028 to 1 above background and/or noise mangemen enternt standards nd reasonable additional i nimmary report detailing: minmary report detailing: discription (muching location, duration, hou nanagement levels et noise levels for each time period. Isturbance affected distance for night works.	the noise environ- select the appr pay. ackground noise r? Select Y or N tee in cell C25. the drop-down list D47. the drop-down list D47. the drop-down list D47. the drop-down list D47. the drop-down list D47. the office etc. PHE assible and reas nitigation measures and measures and nitigation measures and	nment (to make portate noise an (cell G24): Lin cells A28 to aach individual r 8 to F47: Solid se note that ve 7 to 62) se note that ve 7 to 62) se note that ve 7 to 62) se note that ve r for 62) se note that ve for 62) se not	assumptions) or use as category (cell C16 me period (cells D17 A47 (e.g. dump truck lant in cells E28 to E getation and trees an any shielding implem to 65). loggy, plant, potentiall e and vibration.	r input (where nois). The worksheet t to D19). ss + excavator). 47. form of road cuttinn, end considered th hented as part of th hy impacted receive
Please pick from drop-down list in orange cells Project name Second on the second of	el input Day Evening Night Day (OOW) Evening Night to the receiver? YN	RP2J NOD New castle Rd (NC Developed settlements (urban an User input Representative Noise Environment	2A5) d suburban areas) User Input 51 41 41 56 46	1. Enter project na 2. Enter scenario r 3. Enter scenario r 3. Enter scenario r 4. Select area grou 5. Select the type ((a) where r (b) where r (b) where r (b) where r (c) where r (b) where r (c) where r (c) is then (c) is (c	name (cell C10). diverses (cell C12) - water, undeveloped green of background noise level input - Represent representative noise environment is selected user input is selected - neiter the measured b same representative distance to the receive same representative distance to the receive (see shall over exavation), select plant from usanity for each selected alpant in cells 028 it is selected for ence, shipping container, si above background and/or noise mangemen thement standard end reas sub- thement standard end reas sub- time of sight to receiver' drop-down list above background and/or noise mangemen elsenth standards and reasonable additional in mmary report detailing: angement result eves and time period. Hereid distance affected distance for night works. on measures member responsible for implementing mitigation	the noise enviro - select the appro- ray. ackground noise ackground noise ackground noise en let 122. The select of any to receive for or the original control of the 1940 (see 1000) casable and reas nitigation measures on measures and nsitive businesse Quantity correction	nment (to make portate noise an (cell C24): Lin cells A28 to acch ndividual a 8 to F47: Solid ises naka to F47: Solid ises nak	assumptions) or use as category (cell C16 me period (cells D17 A47 (e.g. dump truck lant in cells E28 to E getation and trees an any shielding implem to 65). loggy, plant, potentiall e and vibration.	r input (where nois). The worksheet f to D19). (s + excavator). 47. 67. 67. 67. 67. 67. 67. 67. 6
Please pick from drop-down ist in orange cells Project name Scenario name Receiver address Select area ground type Select type of background noise lev Noise area category RBL or LAS0 Background level (dB(A)) LAeq(I5minute) Noise mangement level (dB(A)) Is all plant at the same representative distance (m)	el input Evening Night Day Oay Oay Oay Oay Day (OOIW) Evening Night to the receiver? YIN	RP2J NOD Nevcaste Rd (NC Developed settements (urban an User Input Representative Noise Environment	2A5) d suburban areas) User Input 51 41 56 46 All at Representative Distan	1. Énter project na 2. Enter scenario r 3. Enter scenario r 3. Enter scenario r 4. Select the type: (a) where: number of the transmission of transmissi	name (cell C10). diverses (cell C12) - water, undeveloped green of type (cell C12) - water, undeveloped green to background noise level input - Represent representative noise environment is selected user input is selected - neiter the measured by user input is selected - neiter the measured by 10 selected - parter the representative distant N is selected for user the representative distant N is selected for the representative distant N is selected for the representative distant is neiter the representative distant is selected for the representative distant is a signit to receiver? select from drop de and and capped free, shipping container, si above background and/or noise mangemene there line of signit to receiver? drop-down is above background and/or noise mangemene description (including location, duration, hou ound noise levels for each time period. Isturbance affected distance for night works. member responsible for implementing mitigati noise management levels for other noise-se Is there line of sight to receiver? YN No (behind solid barrier)	the noise enviro select the approximation of the environment of the select the approximation of the environment of the select the original of the environment to the select the environment to the environment of the environment of the environment of the environm	nment (to make projriate noise and (cell C24): in cells A28 to ach individual pi 8 to F47. Solid & B to F47. Solid see nole that ve 5 to 62), onable. Include es (see rows 63 ucclion methodo managing noise as not identified i Shielding correction (dBA) -5	assumptions) or use as category (cell C16 me period (cells D17 A47 (e.g. dump truck Jant in cells E28 to E getation and trees an any shielding implen to 65). logy, plant , potentiall e and vibration. n the Construction ar Distance used in	r input (where nois). The worksheet f to D19). (s + excavator). 47. 67. 67. 67. 67. 67. 67. 67. 67. 67. 6
Please pick from drop-down ist in orange cells Project name Scenario name Receiver address Select area ground type Select type of background noise lev Noise area category RBL or LAS0 Background level (dB(A)) LAeq(ISminute) Noise mangement level (dB(A)) Is all plant at the same representative distance (m) Type/ model plant (See Sources Sheet)	el input Evening Night Day (OOW) Evening Night to the receiver? Y/N SWL LAeq (dB(A))	RP2J NOD Nevcaste Rd (NC Developed settements (urban an User Input Representative Noise Environment Sepresentative Soise Environment S SPL @7m (dB(A))	2A5) d suburban areas) User Input 51 41 56 46 All at Representative Distan	1. Énter project na 2. Enter scenario r 3. Enter receiver a 4. Select area grou 5. Select the type: for the scenario r (b) where (b) where (c) is the scenario (c) is there (b) where (c) is there (c) other at as (c) is there (c) is ther	name (cell C10). diverses (cell C12) - water, undeveloped green of type (cell C12) - water, undeveloped green to background noise level input - Represent representative noise environment is selected to background noise level input - Represent to sense environment is selected to selected - go to step π^{-1} or select plant from uantity for each selected plant in cells D28 to selected from drop do environment is environment is selected there line of sight to receiver? select from drop do environment is environment is selected there line of sight to receiver drop-down is it is above background and/or noise mangemen there line of sight to receiver drop-down is anangement levels. The droise levels for cach time period. Issturbance affected distance for night vorks. environment selvels for other noise-selved Is there line of sight to receiver? YM No (behind sold barrier) Yes	the noise enviro select the approximation of the select the approximation of the select the approximation of the select t	nment (to make portiate noise and (cell C24): in cells A28 to sach individual pi to F C47. Solid to F C47. Solid to F C47. Solid see note that ve 57 to 52). onable. Include es (see rows 63 uccion methodo managlign noise as not identified i Shielding correction (dBA) -0 0	assumptions) or use as category (cell C16 me period (cells D17 A47 (e.g. dump truck lant in cells E28 to the petation and trees an any shielding implem to 65). logy, plant , potential e and vibration. In the Construction ar	r input (where nois). . The worksheet f to D19). (s + excavator). 47. 67. 67. 47. 47. 67. 47. 47. 47. 47. 47. 47. 47. 4
Please pick from drop-down ist in orange cells Project name Scenario name Receiver address Select area ground type Select type of background noise lev Noise area category RBL or LAS0 Background level (dB(A)) LAeq(ISminute) Noise mangement level (dB(A)) Is all plant at the same representative distance (m) Type/ model plant (See Sources Sheet)	el input Evening Night Day (OOW) Evening Night to the receiver? Y/N SWL LAeq (dB(A))	RP2J NOD Nevcaste Rd (NC Developed settements (urban an User Input Representative Noise Environment Sepresentative Soise Environment S SPL @7m (dB(A))	2A5) d suburban areas) User Input 51 41 56 46 All at Representative Distan	1. Énter project na 2. Enter scenario r 3. Enter receiver a 4. Select area grou 5. Select the type: for the scenario r (b) where (b) where (c) is the scenario (c) is there (b) where (c) is there (c) other at as (c) is there (c) is ther	name (cell C10). diverse (cell C12). water, undeveloped green of dyess (cell C12). water, undeveloped green of background noise level input - Representa- representative noise environment is selected to background noise level input - Representa- uer input is selected - enter the measured ba- seame representative distance to the receive is selected - go to step π^{27} . (e.g. shallow excavation), select plant from usanity for each selected plant in cells D28 to N selected from step π^{27} . enter the distance period is selected - go to step π^{27} . N selected from step π^{27} . enter the distance period and corpord fence. shipping containers, is above background and/or noise mangement there line of sight to receiver 4 rop-down list plement feasible and reasonable additional no und noise levels. enther responsible for rach time period. Isturbance affected distance for night works. no measures. tember responsible for implementing mitigati- noise management levels for other noise-se Is there line of sight to receiver ? Yin No (behout solid barrier) Yes	the noise enviro select tha ppp cap. ackground noise r? Select Y or N use in cell c25. The drop down list D47. e to receiver for or win list in cells receiver for the office, etc. Pler tee (fice, etc. Pler teel (sec rows, etc. Pler teel (sec rows, constr on measures and nstitive businesse Quantity correction (dBA) 0 0	nment (to make portate noise an (cell C24): i in cells A28 to acch individual raise to the cell C24): i in cells A28 to acch individual raise note that ve 57 to 62). onable. Include es (see rows 63 uccion methodo managing nois s not identified i Shielding correction (dBA) -5 0	assumptions) or use as category (cell C16 me period (cells D17 A47 (e.g. dump truck lant in cells E28 to the barrier can be incells E28 to the bgetation and trees an any shielding implem to 65). logy, plant , potential e and vibration. In the Construction ar Distance used in calculation (m)	r input (where nois). The worksheet f to D19). (st + excavator). 47. 47. 67. 47. 47. 47. 47. 47. 47. 47. 47. 47. 4
Please pick from drop-down ist in orange cells Project name Scenario name Receiver address Select area ground type Select type of background noise lev Noise area category RBL or LAS0 Background level (dB(A)) LAeq(ISminute) Noise mangement level (dB(A)) Is all plant at the same representative distance (m) Type/ model plant (See Sources Sheet)	el input Evening Night Day (OOW) Evening Night to the receiver? Y/N SWL LAeq (dB(A))	RP2J NOD Nevcaste Rd (NC Developed settements (urban an User Input Representative Noise Environment Sepresentative Soise Environment S SPL @7m (dB(A))	2A5) d suburban areas) User Input 51 41 56 46 All at Representative Distan	1. Énter project na 2. Enter scenario r 3. Enter receiver a 4. Select area grou 5. Select the type: for the scenario r (b) where (b) where (c) is the scenario (c) is there (b) where (c) is there (c) other at as (c) is there (c) is ther	name (cell C10). diverse (cell C12). water, underweioped greet of background noise level input - Represent, representative noise environment is selected to background noise level input - Represent, representative distance to the receive is sene representative distance to the receive is sene representative distance to the receive is sene representative distance to the receive is selected - go to step \mathcal{F} . (e.g. shallow excavation), select plant from usanity for each select plant in cells D28 to is selected from step \mathcal{F} . enter the distance period and copped fence, shipping containers, is labove background and/or noise mangemen lement standard milgation measures where there line of sight to receiver 4 rou-down list plement feasible and reasonable additional in description (including location, duration, hou many report detailing): description (including location, duration, hou many report detailing): description (including location, duration, hou member responsible for implementing milgati noise management levels for other noise-se is there line of sight to receiver ? YiN No (behind solid barrier) Yes Yes Yes	the noise enviro select tha ppro- pay. Categorium division of the pro- ent of the pro- text of the pro- text of the pro- text of the pro- text of the pro- fee office, etc. Ple- text fee office, etc. Ple- etc. Ple- etc	nment (to make projriate noise an (cell C24): i in cells A28 to acch individual raise accher accher to Far Solid Solid Solid Solid Solid se note that ve 57 to 62). onable. Include es (see rows 63 uction methodo managing nois s not identified i Shielding correction (dBA) -5 0 0	assumptions) or use as category (cell C16 me period (cells D17 A47 (e.g. dump truck lant in cells E28 to the barrier can be incells E28 to the bgetation and trees an any shielding implem to 65). logy, plant , potential e and vibration. In the Construction ar Distance used in calculation (m)	r input (where nois). The worksheet f to D19). (st + excavator). 47. 47. 47. 47. 47. 47. 47. 47. 47. 47
Please pick from drop-down ist in orange cells Project name Scenario name Receiver address Select area ground type Select type of background noise lev Noise area category RBL or LAS0 Background level (dB(A)) LAeq(ISminute) Noise mangement level (dB(A)) Is all plant at the same representative distance (m) Type/ model plant (See Sources Sheet)	el input Evening Night Day (OOW) Evening Night to the receiver? Y/N SWL LAeq (dB(A))	RP2J NOD Nevcaste Rd (NC Developed settements (urban an User Input Representative Noise Environment Sepresentative Soise Environment S SPL @7m (dB(A))	2A5) d suburban areas) User Input 51 41 56 46 All at Representative Distan	1. Énter project na 2. Enter scenario r 3. Enter receiver a 4. Select area grou 5. Select the type: for the scenario r (b) where (b) where (c) is the scenario (c) is there (b) where (c) is there (c) other at as (c) is there (c) is ther	name (cell C10). diverse (cell C12). water, undeveloped greet of background noise level input - Representa- representative noise environment is selected to fackground noise level input - Representa- ter participation is selected to seame representative distance to the receive is selected - one the measured ba- resame representative distance to the receive is selected - one the measured ba- resame representative distance to the receive is selected - one the measured ba- no is selected - selected plant in cells D28 to is selected from step #8 - enter the distance ped and capped fence, shipping containers, is above background and/or noise mangement lement standard milgation measures where there line of sight to receiver 40-co-dwn list plement feasible and reasonable additional in description (including location, duration, hou angement levels enhore responsible for implementing milgati noise management levels for other noise-se Is there line of sight to receiver 71/N No (behind solid barrier) Yes Yes Yes Yes Yes	the noise enviro select tha ppro- pay. Categorium division of the pro- ent of the pro- ter in elit C25. The drop down list to Pd7. The to receiver for or mist list in cells F. the office, etc. Ple- te office, etc. Ple- tevel (sec rows, etc. Ple- e) (sec rows, etc. Pl	nment (to make portate noise an (cell C24): i in cells A28 to cach individual r to For F5 to 62). onable. Include es (see rows 63 uction methodo managing nois s not identified i Shielding correction (dBA) -5 0 0 0 0 0 0 0 0 0 0 0 0	assumptions) or use as category (cell C16 me period (cells D17 A47 (e.g. dump truck lant in cells E28 to the barrier can be incells E28 to the bgetation and trees an any shielding implem to 65). logy, plant , potential e and vibration. In the Construction ar Distance used in calculation (m)	r input (where nois).). The worksheet f to D19). (s + excavalor). 47. 67. 19. 19. 19. 19. 19. 19. 19. 19
Please pick from drop-down ist in orange cells Project name Scenario name Receiver address Select area ground type Select type of background noise lev Noise area category RBL or LAS0 Background level (dB(A)) LAeq(ISminute) Noise mangement level (dB(A)) Is all plant at the same representative distance (m) Type/ model plant (See Sources Sheet)	el input Evening Night Day (OOW) Evening Night to the receiver? Y/N SWL LAeq (dB(A))	RP2J NOD Nevcaste Rd (NC Developed settements (urban an User Input Representative Noise Environment Sepresentative Soise Environment S SPL @7m (dB(A))	2A5) d suburban areas) User Input 51 41 56 46 All at Representative Distan	1. Énter project na 2. Enter scenario r 3. Enter receiver a 4. Select area grou 5. Select the type: for the scenario r (b) where (b) where (c) is the scenario (c) is there (b) where (c) is there (c) other at as (c) is there (c) is ther	name (cell C10). diversi (cell C12) - water, undeveloped greet 0 background noise level input - Represent representative noise environment is selected to background noise level input - Represent representative noise environment is selected to seame compresentative distance to the receive is seme representative distance to the receive (e.g. shallow excavation), select plant from uantity for each selected plant in cells D28 to seame representative distance to the receiver to selected - go to step #7 (e.g. shallow excavation), select plant from uantity for each selected plant in cells D28 to ed and capped free, shapping container, si above background and/or noise mangemen there line of sight to receiver? Select from drop do resortion (including location, duration, hou ound noise levels. anangement levels. Is there line of sight to receiver? Select is to reace affected distance for night works. member responsible for implementing mitigati noise management levels for other noise-se Is there line of sight to receiver? YM No (behind solid barrier) Yes Yes Yes Yes	the noise enviro select the approximation of the select the approximation activation of the select the select the select the select the select the select of the select the select the select to the select the s	nment (to make portate noise an (cell C24): in cells A28 to cells A28 to cells A28 to cells A28 to cach individual g to F47. Solid see note that ve 57 to 62). onable. Include es (see rows 63 uccion methodo managing nois s not identified i <u>Sheiding</u> correction (dBA) -5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	assumptions) or use as category (cell C16 me period (cells D17 A47 (e.g. dump truck lant in cells E28 to the barrier can be incells E28 to the bgetation and trees an any shielding implem to 65). logy, plant , potential e and vibration. In the Construction ar Distance used in calculation (m)	r input (where nois).). The worksheet f to D19). ss + excavalor). 47. form of road cutting e not considered to the neted as part of th ty impacted receive and Maintenance Nois Contribution SPL (dB(A)) 5 5 -888 -88 -
Please pick from drop-down ist in orange cells Project name Scenario name Receiver address Select area ground type Select type of background noise lev Noise area category RBL or LAS0 Background level (dB(A)) LAeq(ISminute) Noise mangement level (dB(A)) Is all plant at the same representative distance (m) Type/ model plant (See Sources Sheet)	el input Evening Night Day (OOW) Evening Night to the receiver? Y/N SWL LAeq (dB(A))	RP2J NOD Nevcaste Rd (NC Developed settements (urban an User Input Representative Noise Environment Sepresentative Soise Environment S SPL @7m (dB(A))	2A5) d suburban areas) User Input 51 41 56 46 All at Representative Distan	1. Énter project na 2. Enter scenario r 3. Enter receiver a 4. Select area grou 5. Select the type: for the scenario r (b) where (b) where (c) is the scenario (c) is there (b) where (c) is there (c) other at as (c) is there (c) is ther	name (cell C10). diversi (cell C12) - water, undeveloped green to devession (cell C12) - water, undeveloped green to presentative noise environment is selected to background noise level input - Representa- representative distance to the receiver input is selected - enter the messare background to selected - green the messare background to selected - green the messare background is selected free the representative distance to the selected free the distance to the receiver and the selected free cs. shipping container, si lene of sight to receiver? Select from drop de and capped free, shipping container, si lene of sight to receiver? Select from drop de and capped free, shipping container, si there in standard milgation measures where there line of sight to receiver? A select for other out description (including location, duration, hou ound noise levels anagement levels. The there line of sight to receiver? YM No (behnd sold barrier) Yes Yes Yes Yes Yes Yes Yes Yes	the noise enviro select the approximation of the select the approximation of the select the approximation of the select the select of the select the select the select the select the select the drop-down list needs (e.g., the select the select of the select the select the select the select the select on measures and missinesses Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	nment (to make pyriate noise an (to make cell c24): in cells A28 to sach individual p sach individual p sach individual p sach cells A28 to sach individual p sach individual	assumptions) or use as category (cell C16 me period (cells D17 A47 (e.g. dump truck lant in cells E28 to the barrier can be incells E28 to the bgetation and trees an any shielding implem to 65). logy, plant , potential e and vibration. In the Construction ar Distance used in calculation (m)	r input (where nois)). The worksheet f to D19). (s + excavator). 47. form of road cutting e not considered to then the das part of the hy impacted received (mathematic for the second spt (dB(A)) 55 -888 - -888 - - - - - - - - - - - - -
Please pick from drop-down ist in orange cells Project name Scenario name Receiver address Select area ground type Select type of background noise lev Noise area category RBL or LASO Background level (dB(A)) LAeq(ISminute) Noise mangement level (dB(A)) Is all plant at the same representative distance (m) Type/ model plant (See Sources Sheet)	el input Evening Night Day (OOW) Evening Night to the receiver? Y/N SWL LAeq (dB(A))	RP2J NOD Nevcaste Rd (NC Developed settements (urban an User Input Representative Noise Environment Sepresentative Soise Environment S SPL @7m (dB(A))	2A5) d suburban areas) User Input 51 41 56 46 All at Representative Distan	1. Énter project na 2. Enter scenario r 3. Enter receiver a 4. Select area grou 5. Select the type: for the scenario r (b) where (b) where (c) is the scenario (c) is there (b) where (c) is there (c) other at as (c) is there (c) is ther	name (cell C10). diverse (cell C12) - water, undeveloped greet of background noise level input - Representa- representative noise environment is security presentative induse environment is security is secured - more the measured ba- s ame representative distance to the receive is selected - go to step #7 (seg. shallow excavation), select plant from uantity for each selected plant in cells D28 to it is selected - go to step #7 is selected from step #8 end acoped fence, shipping container, si labove background and/or noise mangemen lement standard milgation measures where there line of sight to receiver for-down list plement feasible and reasonable additional in naragement levels de noise levels for each time period. Isturbance affected distance for night works. on measures. Is there line of sight to receiver? YM No (behind addit barnier) Yes Yes Yes Yes Yes Yes Yes Yes	the noise enviro select tha approximation of the select that approximate r2 Select Y or N cert of the select Y or N cert of the select Y or N the drop-down list in cells F 1047 the to free-tert of the select of the select to the select of the select of the select result of the select of the select of the select on measures and nsitive businesses Quantity correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	nment (to make pyriate noise an level for each thi (cell C24): in cells A28 to cells A28 to cell	assumptions) or use as category (cell C16 me period (cells D17 A47 (e.g. dump truck lant in cells E28 to the barrier can be incells E28 to the bgetation and trees an any shielding implem to 65). logy, plant , potential e and vibration. In the Construction ar Distance used in calculation (m)	input (where nois). The worksheet 1 to D19). Is + excavator). 47. 67. 67. 67. 67. 67. 67. 67. 6
Please pick from drop-down ist in orange cells Project name Scenario name Receiver address Select area ground type Select type of background noise lev Noise area category RBL or LAS0 Background level (dB(A)) LAeq(ISminute) Noise mangement level (dB(A)) Is all plant at the same representative distance (m) Type/ model plant (See Sources Sheet)	el input Evening Night Day (OOW) Evening Night to the receiver? Y/N SWL LAeq (dB(A))	RP2J NOD Nevcaste Rd (NC Developed settements (urban an User Input Representative Noise Environment Sepresentative Soise Environment S SPL @7m (dB(A))	2A5) d suburban areas) User Input 51 41 56 46 All at Representative Distan	1. Énter project na 2. Enter scenario r 3. Enter receiver a 4. Select area grou 5. Select the type: for the scenario r (b) where (b) where (c) is the scenario (c) is there (b) where (c) is there (c) other at as (c) is there (c) is ther	name (cell C10). diverse (cell C12). water, underweioped green ind type (cell C12). water, underweioped green to background noise level input - Representa- examples to help select the noise area categ- user input is selected - enter the measured ba- s same representative distance to the receiver is selected - go to step π^{T} (e.g. shallow excavation), select plant from uantity for each selected plant in cells C28 to (e.g. shallow excavation), select plant from the of sight to cells ver drop-down list above background and/or noise mangemen lement standard milgation measures where there line of sight to cells ver drop-down list planent flessible and reasonable additional in description (include). densitive and the cells of the selected distance for night vorks. on measures. Is there line of sight to receiver drop-down list invises management levels. Is there line of sight to receiver drop the select in the selected distance for night vorks. In the selected distance for night vorks. Is there line of sight to receiver? YNN No (behind sold barrier) Yes Yes Yes Yes Yes Yes Yes Yes	the noise enviro - select tha ppro- roy. - ackground noise - r? Select Y or N - environment of the select Y or N - enviro	nment (to make portate noise an (cell C24): in cells A28 to cells A28 to cells A28 to cells A28	assumptions) or use as category (cell C16 me period (cells D17 A47 (e.g. dump truck lant in cells E28 to the barrier can be incells E28 to the bgetation and trees an any shielding implem to 65). logy, plant , potential e and vibration. In the Construction ar Distance used in calculation (m)	ri input (where nois). The worksheet t to D19). (a) the vorksheet t to D19). (b) the vorksheet t the need as part of the the need as part of the the inpacted received (contribution (step (step (ste
Please pick from drop-down ist in orange cells Project name Scenario name Receiver address Select area ground type Select type of background noise lev Noise area category RBL or LAS0 Background level (dB(A)) LAeq(ISminute) Noise mangement level (dB(A)) Is all plant at the same representative distance (m) Type/ model plant (See Sources Sheet)	el input Evening Night Day (OOW) Evening Night to the receiver? Y/N SWL LAeq (dB(A))	RP2J NOD Nevcaste Rd (NC Developed settements (urban an User Input Representative Noise Environment Sepresentative Soise Environment S SPL @7m (dB(A))	2A5) d suburban areas) User Input 51 41 56 46 All at Representative Distan	1. Énter project na 2. Enter scenario r 3. Enter receiver a 4. Select area grou 5. Select the type: for the scenario r (b) where (b) where (c) is the scenario (c) is there (b) where (c) is there (c) other at as (c) is there (c) is ther	name (cell C10). diverss (cell C12). water, undeveloped greet of background noise level input - Represent, representative noise environment is selected to background noise level input - Represent, representative distance to the receive is seme representative distance to the receive is selected - or to the measured background us of the selected - direct the measured background is selected - go to step #7 (e.g. shallow excavation), select plant from usanity for each selected plant in cells D28 to selected - so to step #7 (e.g. shallow excavation), select plant from usanity for each selected plant in cells D28 is selected from drop do labove background and/or noise mangemen lement standard milgation measures where there line of sight to receiver? Asket, from drop do and noise levels. anagement levels noise management levels noise management levels is there line of sight to receiver? YN No (behind sold barrier) Ves Ves Ves Ves Ves Ves Ves Ves	the noise enviro select the approximation of the environment of the environment of the environment of the en	nment (to make priate noise an (to make (cell C24): in cells A28 to ach individual pi to F 0.47. Solid to that version managing noise so (see rows 63 uccion methodo managing noise s not identified i Shielding correction (dBA) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	assumptions) or use as category (cell C16 me period (cells D17 A47 (e.g. dump truck lant in cells E28 to the barrier can be incells E28 to the bgetation and trees an any shielding implem to 65). logy, plant , potential e and vibration. In the Construction ar Distance used in calculation (m)	ri input (where nois). The worksheet t to D19). (s + excavator). 47. form of road cutting e not considered to here a spart of the hy impacted receive the matching of the hy impacted receive and Maintenance Not Contribution SPL (dB(A)) 55 -888 -888 -888 -888 -888 -888 -888
Please pick from drop-down ist in orange cells Project name Scenario name Receiver address Select area ground type Select type of background noise lev Noise area category RBL or LAS0 Background level (dB(A)) LAeq(ISminute) Noise mangement level (dB(A)) Is all plant at the same representative distance (m) Type/ model plant (See Sources Sheet)	el input Evening Night Day (OOW) Evening Night to the receiver? Y/N SWL LAeq (dB(A))	RP2J NOD Nevcaste Rd (NC Developed settements (urban an User Input Representative Noise Environment Sepresentative Soise Environment S SPL @7m (dB(A))	2A5) d suburban areas) User Input 51 41 56 46 All at Representative Distan	1. Énter project na 2. Enter scenario r 3. Enter receiver a 4. Select area grou 5. Select the type: for the scenario r (b) where (b) where (c) is the scenario (c) is there (b) where (c) is there (c) noise i (c) noise i (c) is there (d) orgetic (e) steep o (f) mitigati (g) learn nee (Mote that suitable Individual distance to recevere (m)	name (cell C10). diverss (cell C12). water, undeveloped greet of background noise level input - Represent. representative noise environment is selected to background noise level input - Represent. It selected - noise the measured ba- representative distance to the receive it selected - greet the measured ba- representative distance to the receive it is selected former the representative distance to the selected former the representative distance based to the receive and the distance to the receive is a selected former the representative distance ped and capped fence, shipping containers, is above background and/or noise mangement lement standard mitigation measures where there line of sight to receiver (rop-dwn list plement feasible and reasonable additional in description (including location, duration, hou argament) tevels endors there is the signal to receiver (rop-dwn list plement feasible for each reging works, on measures. Is there line of sight to receiver (rop works, no measures. Is there line of sight to receiver (roling works, no weasures. Is there line of sight to receiver (roling works, Ness Yes	the noise enviro select the approximation of the select the approximation of the select the approximation of the select the select the approximation of the select th	nment (to make portate noise an ((cell C24): i in cells A28 to cach individual g to F47. Solid sea note that ve 57 to 62). onable. Include es (see rows 63 uction methodo managing nois s not identified i Shielding correction (dBA) -5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	assumptions) or use as category (cell C16 me period (cells D17 A47 (e.g. dump truck lant in cells E28 to the barrier can be incells E28 to the bgetation and trees an any shielding implem to 65). logy, plant , potential e and vibration. In the Construction ar Distance used in calculation (m)	r input (where nois). The worksheet t to D19). (s + excavalor). 47. form of road cutting e not considered t hented as part of th ty impacted receive and Maintenance No (Contribution SPL (68(A)) 55 55 -888 -888 -888 -888 -888 -888 -
Please pick from drop-down ist in orange cells Project name Scenario name Receiver address Select area ground type Select type of background noise lev Noise area category RBL or LAS0 Background level (dB(A)) LAeq(ISminute) Noise mangement level (dB(A)) Is all plant at the same representative distance (m) Type/ model plant (See Sources Sheet)	el input Evening Night Day (OOW) Evening Night to the receiver? Y/N SWL LAeq (dB(A))	RP2J NOD Nevcaste Rd (NC Developed settements (urban an User Input Representative Noise Environment Sepresentative Soise Environment S SPL @7m (dB(A))	2A5) d suburban areas) User Input 51 41 56 46 All at Representative Distan	1. Énter project na 2. Enter scenario r 3. Enter receiver a 4. Select area grou 5. Select the type: for the scenario r (b) where (b) where (c) is the scenario (c) is there (b) where (c) is there (c) noise i (c) noise i (c) is there (d) orgetic (e) steep o (f) mitigati (g) learn nee (Mote that suitable Individual distance to recevere (m)	name (cell C10). diverse (cell C12) - water, undeveloped greet of background noise level input - Representa- representative noise environment is selected to background noise level input - Representa- representative distance to the receive is selected - one the measured ba- representative distance to the receive is selected - one the measured ba- representative distance to the receive is selected - one the measured ba- level to septement the representative distance to the selected or stap #7. (e.g. shallow excavation), select plant from uantity for each select plant in cells D28 to select for stap #7. N selected from step #8 enter the distance period acoped fence, shipping containers, 31 above background and/or noise mangement lement standard milgation measures where there line of sight to receiver 40-covm list plement feasible and reasonable additional in many report detailing. description (including location, duration, hou argument fevels enhor responsible for implementing milgati- noise management levels for other noise-se Is there line of sight to receiver? Y/N No (behind solid barrier) Yes Yes Yes Yes Yes Yes Yes Yes	the noise enviro select the approximation of the select the approximation of the select the approximation of the select t	nment (to make portate noise an (cell C24): in cells A28 to cells A28	assumptions) or use as category (cell C16 me period (cells D17 A47 (e.g. dump truck lant in cells E28 to the barrier can be incells E28 to the bgetation and trees an any shielding implem to 65). logy, plant , potential e and vibration. In the Construction ar Distance used in calculation (m)	r input (where nois). The worksheet t to D19). (s + excavator). 47. form of road cutting e not considered t hen led as part of th ty impacted receive and Maintenance Nois (Maintenance Nois (M
Please pick from drop-down ist in orange cells Project name Scenario name Receiver address Select area ground type Select type of background noise lev Noise area category RBL or LAS0 Background level (dB(A)) LAeq(ISminute) Noise mangement level (dB(A)) Is all plant at the same representative distance (m) Type/ model plant (See Sources Sheet)	el input Evening Night Day (OOW) Evening Night to the receiver? Y/N SWL LAeq (dB(A))	RP2J NOD Nevcaste Rd (NC Developed settements (urban an User Input Representative Noise Environment Sepresentative Soise Environment S SPL @7m (dB(A))	2A5) d suburban areas) User Input 51 41 56 46 All at Representative Distan	1. Énter project na 2. Enter scenario r 3. Enter receiver a 4. Select area grou 5. Select the type: for the scenario r (b) where (b) where (c) is the scenario (c) is there (b) where (c) is there (c) noise i (c) noise i (c) is there (d) orgetic (e) steep o (f) mitigati (g) learn nee (Mote that suitable Individual distance to recevere (m)	name (cell C10). diversi (cell C12). water, undeveloped green of background noise level input - Representa- representative noise environment is selected to background noise level input - Representa- representative distance to the receiver is selected - green environment is selected is selected from drop de de and capped freence, sinpping container, si lement standard milgation measures where- there in or displat to receiver? Select from drop de isotroment levels is environment is selected description (including location, duration, hou ound noise levels for cach time period. Issurbance affected distance for night works, noise management levels for other noise-se is there line of sight to receiver? YM No (behind sold barrier) Yes Yes Yes Yes Yes Yes Yes Yes	the noise enviro select the approximation of the select the approximation activation of the select the select the select the approximation of the select the select the select the select the select to the select the select the select the select the select the select the select the select the select the select select the select the select the select the select the select the select the select the select the select the select the select the select the select the select the select the select the select the select the select th	ment (to make priate noise an (to make (cell C24): in cells A28 to ach individual pi to cells A28 to F47. Solid to F47. Solid managing noise se (see rows 63 uccion methodo managing noise se (see rows 63 uccion methodo managing noise se (see rows 63 uccion methodo managing noise se solid managing noise se solid managi	assumptions) or use as category (cell C16 me period (cells D17 A47 (e.g. dump truck lant in cells E28 to the petation and trees an any shielding implem to 65). logy, plant , potential e and vibration. In the Construction ar Distance used in calculation (m)	r input (where nois). The worksheet t to D19). (s + excavator). 47. form of road cutting e not considered to here a spart of the hy impacted receive the matching of the hy impacted receive and Maintenance Not Contribution SPL (dB(A)) (55) -888 -888 -888 -888 -888 -888 -888 -

Out of hours work approval request form

Evening Night

Day (OOHW)

ning

NSS Arvices	Noise
Please input information into yellow cells	
Please pick from drop-down list in orange cells	

Project name Scenario name

Noise area categor

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

Select ty

RBL or LASS Background level (dB(A))

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

Receiver address Select area ground type be of background noise level input

e Estimator (Individual Plant)

Developed settle

RP2J NDD wn Rd (NCA13)

Representative Noise Environment User Input

urban areas

54 38

Steps:
1. Enter project name (cell C9).
2. Enter scenario name (cell C10)
3. Enter receiver address (cell C11).
4. Select area ground type (cell C12) - water, undeveloped green fields (e.g. rural areas with isolated dwellings) or developed settlemen
5. Select the type of background noise level input - Representative noise environment (to make assumptions) or user input (where nois
(a) where representative noise environment is selected - select the appropriate noise area category (cell C16). The worksheet t
number of examples to help select the noise area category.

(a) where representative noise environment is selected - select the appropriate noise area category (cell C16). The worksheet is number of assumption is high and the noise area category.
(b) where it is an expressible with a block the noise area category.
(c) where Y is selected - enter the representative distance in cell C25.
(c) where Y is selected - enter the representative distance in cell C25.
(c) where Y is selected - enter the representative distance in cell C25.
(c) where Y is selected - and the privation of the cell C25.
(c) where Y is selected - enter the representative distance in cell C25.
(c) where Y is selected - select the privation of the cell C25 to F47.
(c) so there into a fagit to receiver 3 elect from drop down list in cells F28 to F47. Sold V and I cells C28 to F47.
(c) so there into a fagit to receiver 3 election drop down list in cells F28 to F47. Sold barrier can be in the form of road cutting timber lapped and caped faces, priving constance, the cells C28 to F47.
(c) so there into a fagit to receiver 3 election drop down list in cells F28 to F47. Sold barrier can be in the form of road cutting timber lapped and caped faces, private disable and recease and the case are not considered if the antify individual and and and diffigurities manyeement level (eer rows 57 to F2).
(a) private into a caped store, barcavalate additional mitigation measures (see rows 63 to 55).
(a) private discontion individual platin and the case area can be an expected.
(b) background noise levels.
(c) solas management levels.
(c) solas management levels.
(c) solas measures (see cash time period.
(d) private discontion individual for cash managing measures (see rows 63 to 55).
(e) and disclass disclad distance for ingle mention.
(f) mitigation measures.
(g) read disclass disclad distance for roless disclass and reasance.
<li

selecti 10. kte 11. De

Type/ model plant (See Sources Sheet)	SWL LArg (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	101	76	1	35	No (behind solid barrier)	0	-5	35	55
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Y68	0	0		-888
					Yee	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
					Y68	¥ 0	0		-886
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
					Y68	0	0		-888
					Yes	0	0		-886

Total SPL L Aog(16minuto) (dB(A)) 55

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

NSW	Transport Roads & Maritime Services
NSW	Transport Roads & Maritime Services

Noise Estimator (Individual Plant)

Please input information into yellow cells Please pick from drop-down list in orange cells Project name Scenario name Select area ground Select type of background n ind type Representative Noise Environment User Input Noise area category RBL or LASS Background level (dB(A)) Night Day y (OOH LAcq(ISminute) Noise mangement level (dB(A)) 48

Steps:
Extent project name (cell C9).
Extent project name (cell C0).
Extent provides and provide C101.
Extent provides (cell C1).

All at Representative Distance (Note that suitable noise management levels for other noise-sensitive businesses not identified in the Construction and Maintenance Noi

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	101	76	1	45	No (behind substantial solid barrier)	0	-10	45	48
					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
					Yes	0	0		-888
					Yes	0	0		-888
					Yes	0	0		-888
Total SPL L Aeg(15minute) (dl	B(A))	48	Ì						

E. Proposed mitigation measures, including respite

Out of hours work approval request form

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.

- The vac truck is to be located south of the pothole location between the pothole location and the nearest receiver, if shielding from nearest receiver is not possible with the truck, utilise noise blankets safe to do so.

- 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.

- Respite is not considered appropriate for these works as they are scheduled to be completed in one shift at each location.

F. Community consultation

Outline consultation undertaken for the proposed OOHW:

- Specific OOHW notice to be delivered to sensitive receivers within the figure 2 and 3 buffer ranges.

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)?

- Respite is not considered appropriate for these works as they are scheduled to be completed in one shift.

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

TfNSW provides this information to the ER and Planning Secretary through the OOHW application process relevant to the 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)? NA, no respite has occurred as no other work has occurred in these areas recently/

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

Yes, no other works are proposed to occur within the same week of these works.

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

Comments:

NA.

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

	Out of	hours wor	k approval	request form
--	--------	-----------	------------	--------------

Comments:

No vibratory works will be occurring.

I. Review/ Endorseme	ents						
Community Liaison	Community notified		Date: 11/10/22				
Representative	Additional consultation requirements: Letterbox drop of OOHW notification to take pla	ace afternoon of 11/10/	22				
	Have the works been reviewed and endorsed? Yes / No						
	Name:	Signature:	Date:				
			11/10/22				
	Comments:						
Transport for NSW	Agreed mitigation measures:						
Environmental Manager (or delegate)	Have the works been reviewed and endorsed? Have the works been approved where neither l		Yes / No Yes / No				
	Name:	Signature:	Date:				
			11/10/2022				
	Comments:						
Transport for NSW Project Manager	Have the works been reviewed and endorsed? Have the works been approved where neither l		Yes / No Yes / No				
	Name:	Signature:	Date:				
			11/10/2022				
	Comments:						
ER approval (low	Are the works approved?		Yes / No				
risk activities)	Name:	Signature:	Date:				
			11/10/2022				
	Comments:						
Planning Secretary	Are the works approved?		Yes / No				
approval (high risk activities)	Name:	Signature:	Date:				
,							
	Comments:						