

RP2J Project OOHW application form

Out of hours work approval request form			
No:	Notification date:	Approval date:	Project:
004	20/10/22	25/10/22	RP2J
A. Contact details	Name	Mobile number	Email
Contractor Environmental Site Representative	██████████	██████████	██
Contractor Construction Manager	██████████	██████████	██
Contractor Foreman	██████████	██████████	██
Contractor Project Manager	██████████	██████████	██
B. Details of work:			
Include a map showing location of work extent and nearest sensitive receivers			
Location / chainages:	Southern side (kerb side/westbound lane of the Jesmond round about <div style="border: 1px solid black; padding: 2px; display: inline-block;">Location of works shaded blue</div>		
NCA/s:	4		
Description of works – also include a brief description of the sequence of activities:	Place trafficable roadbase material behind the kerb within the clear zone of traffic. A typical sequence of activities involves: <ul style="list-style-type: none"> - setting up traffic control to provide a safe workspace - strip, remove and stockpile topsoil adjacent to the works. 2 areas each Approx. 4m x 10m - place and compact a stabilised road base - Pack-up traffic control 		
Machinery/ plant to be used	<ul style="list-style-type: none"> - 5t excavator - small pedestrian roller - truck for delivery of materials 		

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Traffic control measures required:	Traffic control is required in the form of a kerb lane closure to provide a safe work area as the works are within the Newcastle Rd clear zone.
Lighting required:	None - the roundabout is sufficiently well lit
Proposed dates:	Monday 25 th -28 th October. Up to 2 nights work within the week (includes contingency)
Proposed times:	18:00 – 07:00
Justification - why does work need to occur outside of standard construction hours? (attach support information as required)	These works are required to be undertaken outside of standard hours as they are located within the 3m clear zone of live traffic of Newcastle Road. The ROL restrictions do not allow the lane to be closed safely within standard hours.

C. Risk assessment

NML (refer Table 3-2 of OOHW protocol)	P1 – 51 P2 – 41
Is the work highly noise intensive? (above 75dB(A) L _{Aeq} (15 minute))	No – The most affected receiver is expected to be ~52dBA. See table 5 below.
Risk factor category (refer section 4.3 of OOHW protocol):	Low risk <i>Comments:</i> 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 5 below.

D. Details of noise or vibration assessment completed:

Comments: A noise assessment has been undertaken using the TfNSW noise estimator tool, the outputs of this assessment are presented below as tables 1-5 with an overlay of impacted areas provided within Figure 1.

E. Proposed mitigation measures, including respite

Comments:

- Toolbox talk to be undertaken prior to the OOHW to communicate appropriate behavioural practices
- Equipment will be inspected to ensure defects are not present. Works will be undertaken with minimum amount of equipment practical to complete the works.
- Utilise noise blankets between the works and the Jesmond Villas to the west.
- 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.
- Respite is not considered appropriate for these works as they are scheduled to be completed in one-two shifts.

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F. Community consultation

Outline consultation undertaken for the proposed OOHW:

- 3 month look ahead distributed to the community
- Specific OOHW notice to be delivered to sensitive receivers within the green line shown on figure 1

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-two shifts.

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

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

G. Respite framework

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

- N/A

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

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

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

Comments:

- N/A

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

Comments:

- No, a small roller is proposed to be used at a distance more than double the safe distance for cosmetic damage.

I. Review/ Endorsements

Contractor Community Liaison Representative	Community notified - Yes	Date: 28/8/22 (look ahead) 20/10/22 (notice)	
	Additional consultation requirements: Nil		
	Have the works been reviewed and endorsed? Yes / No		
	Name:	Signature:	Date:
	██████████	██████████	25/10/22

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	Comments:		
Transport for NSW Environmental Manager (or delegate)	Agreed mitigation measures:		
	Have the works been reviewed and endorsed?		Yes / No
	Have the works been approved where neither low or high risk?		Yes / No
	Name:	Signature:	Date:
	[REDACTED]	[REDACTED]	
	Comments:		
Transport for NSW Project Manager	Have the works been reviewed and endorsed?		Yes / No
	Have the works been approved where neither low or high risk?		Yes / No
	Name:	Signature:	Date:
	[REDACTED]	[REDACTED]	
	Comments:		
ER approval (low risk activities)	Are the works approved?		Yes / No
	Name:	Signature:	Date:
	[REDACTED]	[REDACTED]	25/10/2022
		Comments:	
Planning Secretary approval (high risk activities)	Are the works approved?		Yes / No
	Name:	Signature:	Date:
		Comments:	

Figure 1 – Predicted Noise Impacts



Green = >NML

Yellow = NML+5 & above

Orange = NML+15 & above

Red = NML+25 & above

Noise Estimator (Individual Plant)

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

Project name	RP2J
Scenario name	CNVIS_002 - 5 above NML
Receiver address	193 Newcastle Rd, Jesmond (Villas) NCA4
Select area ground type	Developed settlements (urban and suburban areas)
Select type of background noise level input	User input

Noise area category	representative noise Environment		User Input
	Day	Evening	Night
RBL or LA90 Background level (dB(A))	47	46	36
LAeq(15minute) Noise mangement level (dB(A))	Day	57	52
	Day (OOHV)	52	51
	Evening	51	41
	Night	41	

Is all plant at the same representative distance to the receiver? Y/N	Y	All at Representative Distance
Representative distance (m)	95	

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))
Vibratory Roller	105	80	1		No (behind substantial solid barrier)	0	-10	95	45
Tracked Excavator	100	75	1		No (behind substantial solid barrier)	0	-10	95	40
					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
					Yes	0	0		-888
Total SPL LAeq(15minute) (dB(A))		46							

- 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 settlements (e.g. urban and suburban areas)
 5. Select the type of background noise level input - Representative noise environment (to make assumptions) or user input (where noise monitoring data is available):
 - (a) where representative noise environment is selected - select the appropriate noise area category (cell C16). The worksheet titled 'Representative Noise Environ.' provides a number of examples to help select the noise area category.
 - (b) where user input is selected - enter the measured background noise level for each time period (cells D17 to D19).
 6. Is all plant at the same representative distance to the receiver? Select Y or N (cell C24):
 - (a) where Y is selected - enter the representative distance in cell C25.
 - (b) where N is selected - go to step #7
 7. For the scenario (e.g. shallow excavation), select plant from the drop-down list in cells A28 to A47 (e.g. dump trucks + excavator).
 - (a) enter quantity for each selected plant in cells D28 to D47.
 - (b) where N is selected from step #6 - enter the distance to receiver for each individual plant in cells E28 to E47.
 - (c) is there line of sight to receiver? select from drop down list in cells F28 to F47. Solid barrier can be in the form of road cutting, solid construction hoarding, acoustic curtain, timber lapped and capped fence, shipping container, site office, etc. Please note that vegetation and trees are not considered to be a form of solid barrier.
 8. Identify the level above background and/or noise mangement level (see rows 57 to 82).
 9. Identify and implement standard mitigation measures where feasible and reasonable. Include any shielding implemented as part of the standard mitigation measures by changing the selection in the 'Is there line of sight to receiver' drop-down list.
 10. Identify and implement feasible and reasonable additional mitigation measures (see rows 83 to 85).
 11. Document a summary report detailing:
 - (a) project description (including location, duration, hours of work, construction methodology, plant, potentially impacted receivers, etc.).
 - (b) background noise levels.
 - (c) noise management levels.
 - (d) predicted noise levels for each time period.
 - (e) sleep disturbance affected distance for night works.
 - (f) mitigation measures.
 - (g) team member responsible for implementing mitigation measures and managing noise and vibration.
- (Note that suitable noise management levels for other noise-sensitive businesses not identified in the Construction Noise Estimator should be investigated on a project-by-project basis. Please contact a Roads and Maritime noise specialist for more information)

Table 2 – Noise estimator – NML+5

Noise Estimator (Individual Plant)

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

Project name	RP2J
Scenario name	CNVIS_002 - Worst Case
Receiver address	193 Newcastle Rd, Jesmond (Villas) NCA4
Select area ground type	Developed settlements (urban and suburban areas)
Select type of background noise level input	User Input

Noise area category	Representative Noise Environment		User Input
	RBL or LAeq Background level (dB(A))	Day	
	Evening		46
	Night		36
LAeq(15minute) Noise management level (dB(A))	Day		57
	Day (OOHW)		52
	Evening		51
	Night		41

Is all plant at the same representative distance to the receiver? Y/N	Y	<i>All at Representative Distance</i>
Representative distance (m)	53	

Steps:

- Enter project name (cell C9).
- Enter scenario name (cell C10).
- Enter receiver address (cell C11).
- Select area ground type (cell C12) - water, undeveloped green fields (e.g. rural areas with isolated dwellings) or developed settlements (e.g. urban and suburban areas).
- Select the type of background noise level input - Representative noise environment (to make assumptions) or user input (where noise monitoring data is available):
 - (a) where representative noise environment is selected - select the appropriate noise area category (cell C18). The worksheet titled 'Representative Noise Environ.' provides a number of examples to help select the noise area category.
 - (b) where user input is selected - enter the measured background noise level for each time period (cells D17 to D19).
- 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.
- 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 cutting, solid construction hoarding, acoustic curtain, timber lapped and capped fence, shipping container, site office, etc. Please note that vegetation and trees are not considered to be a form of solid barrier.
- Identify the level above background and/or noise management level (see rows 57 to 62).
- Identify and implement standard mitigation measures where feasible and reasonable. Include any shielding implemented as part of the standard mitigation measures by changing the selection in the 'is there line of sight to receiver' drop-down list.
- Identify and implement feasible and reasonable additional mitigation measures (see rows 63 to 65).
- Document a summary report detailing:
 - (a) project description (including location, duration, hours of work, construction methodology, plant, potentially impacted receivers, etc.).
 - (b) background noise levels.
 - (c) noise management levels.
 - (d) predicted noise levels for each time period.
 - (e) sleep disturbance affected distance for night works.
 - (f) mitigation measures.
 - (g) team member responsible for implementing mitigation measures and managing noise and vibration.

(Note that suitable noise management levels for other noise-sensitive businesses not identified in the Construction Noise Estimator should be investigated on a project-by-project basis. Please contact a Roads and Maritime noise specialist for more information)

Type/model plant (See Sources Sheet)	SWL LAeq (dB(A))	SPL @ 7m (dB(A))	Quantity	Individual distance to receiver (m)	Is there line of sight to receiver? Y/N	Quantity correction (dBA)	Shielding correction (dBA)	Distance used in calculation (m)	Contribution SPL (dB(A))
Vibratory Roller	105	80	1		No (behind substantial solid barrier)	0	-10	53	50
Tracked Excavator	100	75	1		No (behind substantial solid barrier)	0	-10	53	45
					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 LAeq(15minute) (dB(A))									52

Table 5 – Noise estimator – NML+15Most Affected