



PART A: SUMMARY INFORMATION

PERMIT NO:	005	APPLICATION DATE:	07/11/2022
DATE PERMIT PREPARED:	07/11/2022	LOCATION OF WORKS:	Tallawarra B Power Station Construction Project
PERMIT PREPARED BY:	Michael Knez	PERMIT REQUESTED BY:	Stephen Lee

DESCRIPTION OF OOHW:

This permit is a continuation of the planned works as per permit 004. The permit was requested to facilitate heavy deliveries and preparation works on the Tallawarra B project. The anticipated heavy load deliveries and delivery of project materials have been delayed.

Works proposed within the requested timeframes in this permit include the following:

The permit is required to facilitate a backlog of deliveries to the project for the remainder of the year. This will predominately be for the receipt of deliveries from Port Kembla. This will include the heavy transport of the station generator, exhaust stack and auxiliary components delivered through the months of November / December 2022. Exact dates for these deliveries are out of the projects control and require approvals from statutory road and rail agencies before transport is permitted. It is anticipated that this will occur during the hours requested by this permit.

The unloading of these deliveries will be during daylight hours only and may be outside of the permitted construction hours. Some civil, electrical and mechanical works to facilitate deliveries may also be undertaken after normal hours and over the weekends across the requested dates and periods.

It is anticipated that a 72hr window is required for the oil fill of the station transformer. This needs to be one continuous fill under vacuum. This is predicted to be mid / late Nov 2022 as part of this permit application.

Modelling attached to this permit application (appendix B) indicates no noise greater than 5db above RBL will be generated at the allocated receptor sites.

The receptor sites are shown on the plan included as appendix A.

It is anticipated that OOH noise monitoring will be undertaken for the generator oil fill.

PART B: JUSTIFICATION

TECHNICAL JUSTIFICATION: *(As identified in CoA Condition E3.2)*

<input checked="" type="checkbox"/>	construction work that causes LAeq (15 minute) noise levels that are no more than 5 dB above rating background levels at any residence; or
<input checked="" type="checkbox"/>	the delivery of materials requested by police or other authorised authorities for safety reasons; or Tallawarra B Generator, exhaust and large auxiliary items from Port Kembla including E Room transport from South Australia.
<input type="checkbox"/>	emergency work to avoid the loss of lives, property, and/or to prevent environmental harm; or
<input type="checkbox"/>	other activities as agreed by the EPA; or
<input type="checkbox"/>	works approved by the Secretary of the Department of Planning, Industry and Environment under condition 3.2 of approval 07_0124, provided the EPA is notified in advance of each out-of-hours work occurrence.

If one of the technical justifications above are applicable to this OOHW application, proceed to Part G: Approval Pathway.

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PART B: JUSTIFICATION

VARIATION JUSTIFICATION:

<input type="checkbox"/>	To sustain the operational integrity of the electricity network or other services/utilities (e.g., water, gas, sewerage, drainage) and to minimise potential services/utilities disruptions;
<input type="checkbox"/>	To promote the safety of construction personnel and/or the public;
<input type="checkbox"/>	To sustain the operational integrity of the road network or to promote the safety of road users where proposed works are in the vicinity of a main road;
<input checked="" type="checkbox"/>	Where works are required to be completed continuously (over a longer period than the standard construction day); and
<input checked="" type="checkbox"/>	Where works do not result in impacts to noise affected and vibration affected sensitive receivers (i.e., compliant with the noise management levels and vibration criteria as outlined in Section 3.5 of the NAQMP).
Other	Specify: (e.g., Road occupancy licence, OSOM delivery)
<input type="checkbox"/>	

PART C: PROPOSED DATES AND TIMEFRAMES:

TIME PERIODS REQUESTED: (Indicate which time periods that you will require)
 (Standard construction hours 7am-6pm Mon-Fri, 8am-1pm Sat and No time on Sundays or Public Holidays)

Monday to Friday			Saturdays			Sundays and Public Holidays		
Period 1	6pm – 10pm	<input checked="" type="checkbox"/>	Period 1	7am – 8am	<input checked="" type="checkbox"/>	Period 1	8am – 6pm	<input checked="" type="checkbox"/>
Period 2	10pm – 7am	<input checked="" type="checkbox"/>	Period 1	1pm-10pm	<input checked="" type="checkbox"/>	Period 2	6pm – 8am	<input type="checkbox"/>
			Period 2	10pm – 7am	<input type="checkbox"/>			

DATES REQUESTED	Period 1 12-13 November 2022	Period 1 03-04 December 2022
	Period 1 14-18 November 2022	Period 1 05-09 December 2022
	Period 2 14-18 November 2022	Period 2 05-09 December 2022
	Period 1 19-20 November 2022	Period 1 10-11 December 2022
	Period 1 21-25 November 2022	Period 1 12-16 December 2022
	Period 2 21-25 November 2022	Period 2 12-16 December 2022
	Period 1 26-27 November 2022	Period 1 17-18 December 2022
	Period 1 28-02 December 2022	Period 1 19-23 December 2022
	Period 2 28-02 December 2022	Period 2 19-23 December 2022
Noise validation monitoring will be conducted for this requested OOHW period. In particular during the step-up generator oil filling. This is in line with the recommendation from SLR in section 5 of the attached report in appendix B		

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PART D: NOISE ASSESSMENT:

Has a desktop noise assessment been completed for this work? <i>If yes, provide noise assessment in Appendix B and fill out table below:</i>	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
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NAQMP Location	Rating Background Level (RBL) ³			Noise Management Level (NML) L _{Aeg} (15min)				Sleep disturbance LA1(1min) Only applies at night
	Day (7am – 6pm)	Evening (6pm – 10pm)	Night (10pm – 7am)	Standard Hours ¹ (RBL + 10dB)	Out of Hours Work (OHW) ² (RBL + 5dB)			
				Day (7am – 6pm)	Day	Evening	Night	RBL + 15dB
NCA1 R6-R11	35	42	34	45	40	47	39	52
NCA2 R1-R2	36	42	34	46	41	47	39	52
NCA3 R3-R5	36	34	30	46	41	39	35	52
Loudest Assessment Result					34	34	34	

Predicted noise level from all construction scenarios as per SLR report (appendix B) indicated loudest assessment result of 34db for concrete pouring and critical lifting at receptor NCA3

Notes:

(1) Tallawarra B standard construction hours are defined as Monday – Friday: 7am – 6pm, Saturday: 8am – 1pm with no work on Sundays or public holidays.

(2) Out of hours work time periods are defined as:

Day: 7am to 8am Saturday, 1pm to 6pm Saturday and 8am to 6pm on Sunday and public holidays

Evening: 6pm to 10pm Monday to Sunday

Night: 10pm to 7am Monday to Saturday, 10pm to 8am Sunday

(3) RBL's derived from Table 7-13 Tallawarra B Modification Environmental Assessment June 2020

Predicted Noise Levels Table 5 SLR Tallawarra B Noise Impact Assessment Out Of Hours Construction Works 10 May 2022 attached to this application (appendix B).

OUTCOME OF NOISE ASSESSMENT:

OOHW Risk Limitations – Based on the above assessment results.

	dBA above RBL	Risk limitations	Please indicate which category
Negligible risk			
OOHW period 1 ¹	0	Predicted noise levels must be below or equal to the noise management levels.	<input checked="" type="checkbox"/>
OOHW period 2 ²			<input checked="" type="checkbox"/>
Low risk			
OOHW period 1	>0 to <5	--	<input checked="" type="checkbox"/>
	≥5	OOHW may be undertaken during any OOHW day periods ³ and not more than three consecutive evening periods in a week.	<input type="checkbox"/>
OOHW period 2	>0 to <5	--	<input checked="" type="checkbox"/>
	≥5	OOHW limited to not more than two consecutive night periods in a week and limited to six nights per month. Noise intensive equipment will be used during standard construction hours, unless necessary. Where noise intensive equipment is required outside of standard construction hours, all endeavours shall be made to complete use of noise intensive equipment by 11pm.	<input type="checkbox"/>

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PART D: NOISE ASSESSMENT:			
High risk			
OOHW period 1	≥5	OOHW that are undertaken for more than three consecutive evening periods in a week.	<input type="checkbox"/>
OOHW period 2	≥5	OOHW that are undertaken for more than two consecutive night periods in a week, or more than six nights in a month.	<input type="checkbox"/>
Notes: (1) Mon-Fri (6pm – 10pm), Sat (7am – 8am; 1pm – 10pm), Sun/Pub Hol (8am – 6pm) (2) Mon – Fri (10pm – 7am), Sat (10pm – 8am), Sun/Pub Hol (6pm – 7am) (3) Sat (7am – 8am; 1pm-6pm), Sun/Pub Hol (8am – 6pm)			
Is noise validation monitoring required? (heavy lifting and concreting operations as predicted levels are close to night-time limit. High noise activities conducted during this permit will be validated)			Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

PART E: VIBRATION ASSESSMENT:		
Are vibration intensive activities proposed within 100m of sensitive receivers during the OOHW works? <i>(These will be assessed for compliance with minimum working distances identified in 3.5 of the NAQMP - TALLAB-EA-10111-AQB070-0010)</i>	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
If yes above, is vibration impact validation monitoring required?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
If no above, justification needed:		

PART F: COMMUNITY				
Sensitive Receivers	Yes	No	Comments	
Distance to nearest residential sensitive receiver:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NCA 2&3 - 1.1km NCA 1 – 2.3km	
Distance to nearest non-residential sensitive receiver:	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Will the works require traffic control? If so, attach TGS to Appendix C.	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Mitigation measure for implementation during OOHW				
	dBA above NML	Mitigation measures	Mitigation measure detail(s)	Please indicate which mitigation measure is applicable
OOHW period 1 ¹	0	-	-	-
	>0 to <5	-	-	-
	≥5	N, R1, DR	Respite period 1: evening construction noise shall be limited to no more than three (3) consecutive evenings per week except where there is a duration respite.	N <input type="checkbox"/> R1 <input type="checkbox"/> DR <input type="checkbox"/>
OOHW period 2 ²	0	-	-	-
	>0 to <5	N	Energy Australia Residential/community notification	N <input checked="" type="checkbox"/>

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	>0 to <5	N, R1, R2, DR	Respite period 2: night construction noise shall be limited to two (2) consecutive nights per week and should be limited to six nights per month except for where there is a duration respite. Where possible, high noise generating works shall be completed before 11pm.	N <input type="checkbox"/> R1 <input type="checkbox"/> R2 <input type="checkbox"/> DR <input type="checkbox"/>
Notes: N = Notification, DR = Duration respite (where feasible), R1 = Respite period 1, R2 = Respite period 2 (1) OOHW period 1: Mon-Fri (6pm – 10pm), Sat (7am – 8am; 1pm – 10pm), Sun/Pub Hol (8am – 6pm) (2) OOHW period 2: Mon – Fri (10pm – 7am), Sat (10pm – 8am), Sun/Pub Hol (6pm – 7am)				
Notification (N): the notification may consist of a letterbox drop (or equivalent) detailing work activities, time periods over which these will occur, impacts and mitigation measures. Once approved notifications will be provided a minimum of five (5) working days prior to the start of works. Given that the affected sensitive receivers are also likely to be affected landholders for the project, phone call and email will be favoured for these notifications;				
Respite period 1 (R1): where out-of-hours construction noise in OOHW period 1 is limited to no more than three consecutive evenings per week;				
Respite period 2 (R2): where out-of-hours construction noise in OOHW period 2 is limited to two consecutive nights; and				
Duration respite (DR): respite periods may be counterproductive in reducing the impact on the community for longer duration projects. In these instances, where it can be agreed upon by affected residents, it may be beneficial to increase the work duration, number of evenings or nights worked through 'duration respite' so that the project can be completed more quickly. The project will engage with affected receivers to determine support for 'duration respite'. Where possible, negotiated agreements permitted in accordance with condition D2 c) are the preferred project approach in lieu of duration respite.				
Additional mitigation measures proposed: (E.g., Solid barriers, hoarding, restriction of noise intensive plant and equipment during out of standard hours)				

PART G: APPROVAL PATHWAY		
Negligible	EA Tallawarra B HSSE Lead	<input checked="" type="checkbox"/>
Low	Project Environmental Representative (<5db)	<input checked="" type="checkbox"/>
High	DPIE Secretary (>5db)	<input type="checkbox"/>

PART H: APPROVAL TO UNDERTAKE OOHW			
Signed by Project Environmental Representative			
Approval has been granted to undertake the OOHW			
NAME	SIGNATURE	POSITION	
TOBY HOBBS		ENVIRONMENTAL REPRESENTATIVE	
Have community consultation and sensitive receiver notifications been sent?		Yes <input type="checkbox"/>	No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
Has the relevant council been notified of this OOHW?		Yes <input type="checkbox"/>	No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
Signed by EA Tallawarra B HSSE Lead			
Approval has been granted to undertake the OOHW			
NAME	SIGNATURE	POSITION	
GLEN COWLING		EA HSSE LEAD	
Has the Department of Planning and Environment been notified of this OOHW?		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/> N/A <input type="checkbox"/>

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Has the EPA been notified of this OOHW?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
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PART I: SITE ACCEPTANCE
 (Signed by Project Construction Manager)

I confirm the following:

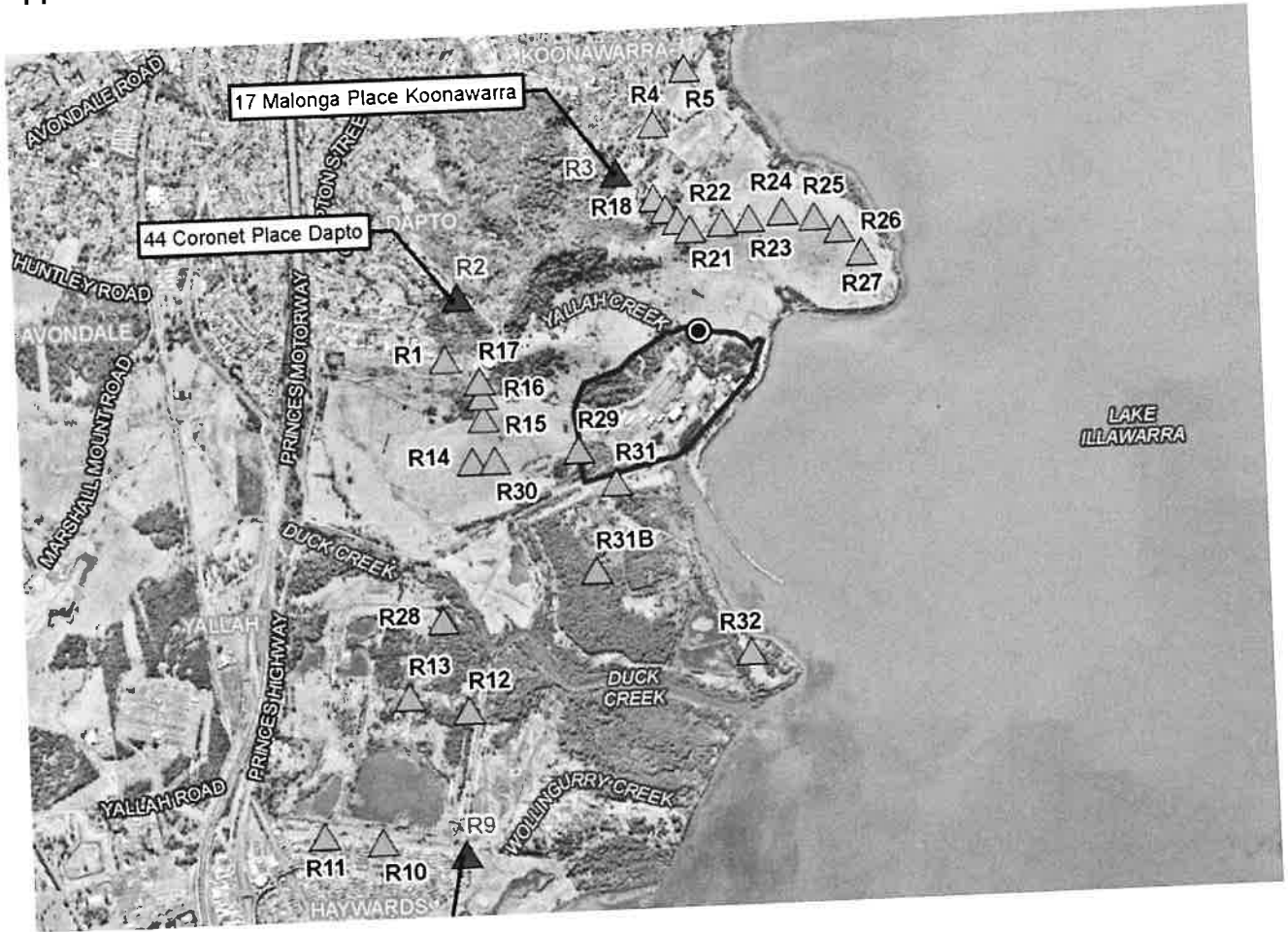
- The work details in this approval accurately reflect the planned work on site
- The OOHW permit will be kept on site where work is occurring
- Respite and mitigation measures will be implemented
- Any changes to works which may affect this approval shall be communicated to the Environment Manager and the Engagement Manager prior to work commencing or as soon as changes become known.

NAME	SIGNATURE	POSITION
STEPHEN LEE		GECL CONSTRUCTION MANAGER

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Appendix A: Location of Proposed Works / Sensitive Receivers



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Appendix B: Noise Assessments

Tallawarra B Noise Impact Assessment Out of Hours Construction Works 10th May 2022