

17 June 2025

TN610-05F04 Apollo Place Data Centre - Additional 20250513 RtS (r2)

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Apollo Place Data Centre, 1 Apollo Place & Sirius Road, Lane Cove West - Noise & Vibration Impact Assessment (Additional response to submissions - 13 May 2025)

1 Introduction

Renzo Tonin & Associates (RTA) was engaged by EMKC Cubed Management Pty Ltd (EMCK³) to undertake an operational and construction noise and vibration impact assessment to accompany the State Significant Development Application (SSDA) 67407231 for the proposed data centre development at 1 Apollo Place and 1 Sirius Road, Lane Cove West (the Proposal).

The NSW Department of Planning, Housing and Infrastructure (DPHI) provided submissions on the SSDA noise and vibration assessment (NVIA) report (*TN610-03F01 Apollo Place Data Centre NVIA (r6)*, dated 9/9/2024) (NVIA) following the exhibition period. These were addressed in the response to submissions noise technical memorandum (*TN610-05F02 Apollo Place Data Centre RtS (r5)*, dated 21/02/2025) (*NVIA RtS memorandum*). Additionally, as part of the detail design development process, a number of design aspects of the Proposal, including updates across the site design and layout, updates and refinements to the proposed noise generating plant and equipment items, and associated mitigation measures, were included in the *NVIA RtS memorandum*.

Subsequently additional submissions from DPHI were received relating to noise and vibration on 10 March 2025, 3 April 2025 and 15 April 2025, and these were addressed in the noise technical memorandum (*TN610-05F03 Apollo Place Data Centre - Further RtS (r2)*, dated 17/04/2025) (*NVIA Further RtS memorandum*).

Further submissions were also received on 13 May 2025, and these are addressed in this technical memorandum (*Additional NVIA RtS 20250513*).

As SSD 9741 and the Proposal are separate State Significant Developments (SSD), they will have separate individual noise limits. The SSDA NVIA established project noise trigger levels specific to the Proposal at all potentially most-affected residential, commercial and other sensitive receivers to address the Secretary of the Department of Planning, Housing and Infrastructure (DPHI) ('the Secretary's environmental assessment requirements') (SEARs) issued 13 February 2024 for the Proposal.

The Proposal has been designed to achieve the SEARs, including the cumulative requirements as per SSDA NVIA Section 3.3.2 *"Additional SEARs requirement for operational noise"* and SSDA NVIA 3.3.4 *"Cumulative industrial noise"*. This includes meeting specific detailed cumulative requirements for residential receivers. To then address cumulative noise at commercial and other sensitive receivers, the NPfI approach for cumulative industrial noise was adopted in the SSDA NVIA for all other receivers during typical operations. DPHI has since requested that the existing data centre and the Proposal achieve the SSD 9741 (*MOD 3, October 2023*) noise limits cumulatively at all potentially impacted receivers, which is more stringent than the SEARs or the NPfI.

Accordingly, this technical memorandum assessed the cumulative noise levels by combining the predictions from the existing data centre and the Proposal and assessed these noise levels against the SSD 9741 noise limits as requested by DPHI to determine if the cumulative noise levels can achieve these noise limits.

All modelling and assessment methodologies and assumptions are as per the SSDA NVIA, except where identified as updated. Furthermore, this technical memorandum references sections of the SSDA NVIA and previous responses to submissions where applicable and should be read in conjunction with these.

2 Summary of responses

Table 2-1 provides a summary of RTA's responses to DPHI's additional submissions that relate to noise and vibration. The responses refer to the relevant sections in the *NVIA*, *NVIA RtS memorandum* or *NVIA Further RtS memorandum* as required, to provide further information and analysis to support the responses.

Table 2-1: Additional DPHI submissions (13 May 2025)

DPHI further submission	RTA responses
The supplementary noise assessment has not identified adequate mitigation measures to demonstrate that the cumulative operational noise from the consolidated data centre site will comply with the existing noise limits specified in Condition B14 of the SSD-9741 consent (Note: while these noise limits do not apply to emergency operations, they are applicable to back-up generator testing). Furthermore, the assessment has not demonstrated that the cumulative noise from the data centres will avoid exhibiting annoying characteristics during daytime and evening operations at surrounding residential and commercial receivers. Given the above, the noise assessment must be updated to include:	See below a), b) and c).
a) cumulative noise levels at all potentially most-affected residential and commercial receivers, incorporating predicted noise contributions from both the approved form of SSD-9741 and proposed Apollo Place data centre, both with and without back-up generator tests associated with the proposal	Cumulative noise levels at all potentially most-affected residential and commercial receivers are presented in Section 3.3 and Tables 3.1 and 3.2. This includes updated predictions for back-up generator maintenance testing for the Proposal combined with the existing data centre noise predictions incorporating the latest detailed design operations and acoustic strategies.
b) a detailed evaluation of low-frequency noise for all proposed operations (excluding emergency operations), in accordance with Fact Sheet C of the Noise Policy for Industry	A detailed evaluation of low-frequency noise for all proposed operations is included in the predictions detailed in Section 3.2, with the appropriate low-frequency adjustment added where indicated to the predicted noise level before comparing against the criteria, in accordance with NPfI Fact Sheet C.
c) details of all source and pathway controls required to achieve compliance with the existing noise limits specified in Condition B14 of the SSD-9741 consent.	Cumulative noise levels at all potentially most-affected residential and commercial receivers are presented in Section 3.1 and 3.3. These cumulative predicted noise levels include the latest detailed design operations and acoustic strategies for the existing data centre as detailed in 3.1, and revised maintenance testing modelling for the Proposal as detailed in 3.1. With these updated predictions for the latest detailed design operations and acoustic strategies of the existing data centre, noise levels are predicted to achieve compliance with the existing noise limits specified in Condition B14 of the SSD-9741 consent, except at P1 during existing data centre (SSD 9741) worst-case daytime generator testing, and C3 during Proposal worst-case daytime generator testing. These residual impacts are further addressed in Section 3.4.
Note that for the purposes of preparing the updated noise assessment, the noise limit at surrounding commercial receivers is to be taken as LAeq,15min 63 dB(A), consistent with the limit at 1A Sirius Road.	Noted and applied.

3 Cumulative noise assessment (including low frequency assessment)

3.1 Assessment inputs and assumptions

The noise modelling incorporates the following updates to the mitigation and management measures:

3.1.1 Proposal - updated maintenance testing modelling

As a result of further queries from DPHI regarding generator testing, including cumulative impacts on commercial receivers, the noise modelling for the generator testing scenario has been further refined. The backup emergency generators have enclosures that are 3.2m (W), 15.6m (L) and 4.1m (H), and are designed to achieve 73 dB(A) @ 1m. The previous noise modelling conservatively modelled the generators as point sources with a 99 dB(A) sound power level without the inclusion of the enclosure bodies. The generators for Level 2, 3, 4 and 5 at the north-east corner of the Proposal have now been modelled in detail with their enclosures in place. As a result, there are some differences in noise predictions using this more refined modelling approach and the results are presented in Table 3-1.

3.1.2 Existing data centre - updated noise predictions incorporating latest detailed design operations and acoustic strategies

The updated noise predictions for the existing data centre incorporating the latest detailed design operations and acoustic strategies, includes:

- **Daytime:** Trithermal chillers reduced to 55% fan speed down from 65%. Geoclima Chillers reduced to 63% fan speed down from 73%.
- **Evening:** Trithermal Chillers reduced to 55% fan speed down from 65%.
- **Night-time:** No changes.

The assessment has been undertaken based upon a common set of 39 receiver locations, which represent the potentially most-affected residential, commercial and other sensitive receiver locations for the Proposal. These receiver locations are presented in Figure 3-1.

These were selected to allow for cumulative noise levels to be assessed at common locations from both the Proposal and the existing data centre. For commercial buildings this included identifying the worst case facade locations for the Proposal as a common receiver location for the assessment of cumulative noise levels. For commercial receiver C4, seven locations around the facade were selected, as the cumulative impacts could vary at different locations around the facade – the highest cumulative noise level is used in the reporting for this receiver.

3.2 Detailed low-frequency noise assessment

A detailed evaluation of low-frequency noise (LFN) has been undertaken in accordance with Fact Sheet C of the NPfI, as requested by DPHI.

For the Proposal, as the facility has not been built and the actual selected units are not constructed or available for testing, the assessment is based upon supplier design noise levels, with one-third octave data based on measurement data sourced for a very similar unit type, operating at a similar operating RPM to the design operating state. The predictions are based upon this spectrum and the design sound power levels.

For the existing data centre, predicted one-third octave noise levels have been provided by the project team's acoustic consultant (PWNA) using the latest design incorporating updated operations and acoustic strategies.

As the modelled data does not extend below 25Hz, the data between 10Hz to 20 Hz has been extended by extrapolation based upon the 25Hz to 40Hz band data. This approach is consistent with EPA recommended approaches, however as this cannot be verified it should be confirmed through monitoring at the earliest opportunity prior to committing to the final specific plant items and operations.

For all typical operations, predicted noise levels from the existing data centre and the Proposal have been added together at common assessment locations to determine the cumulative noise levels. The cumulative noise level has then been assessed in accordance with Fact Sheet C of the NPfI to determine if any adjustments are required in accordance with the NPfI to consider low-frequency characteristics. Any required adjustment has then been applied to the predicted cumulative noise levels in accordance with the NPfI, before comparison with the SSD 9741 CoC B14 noise limits.

For the generator maintenance testing scenario, as different generators will impact different receiver locations during the daytime maintenance testing, conservatively a 2 dB(A) adjustment has been applied to all predicted noise levels as part of the assessment.

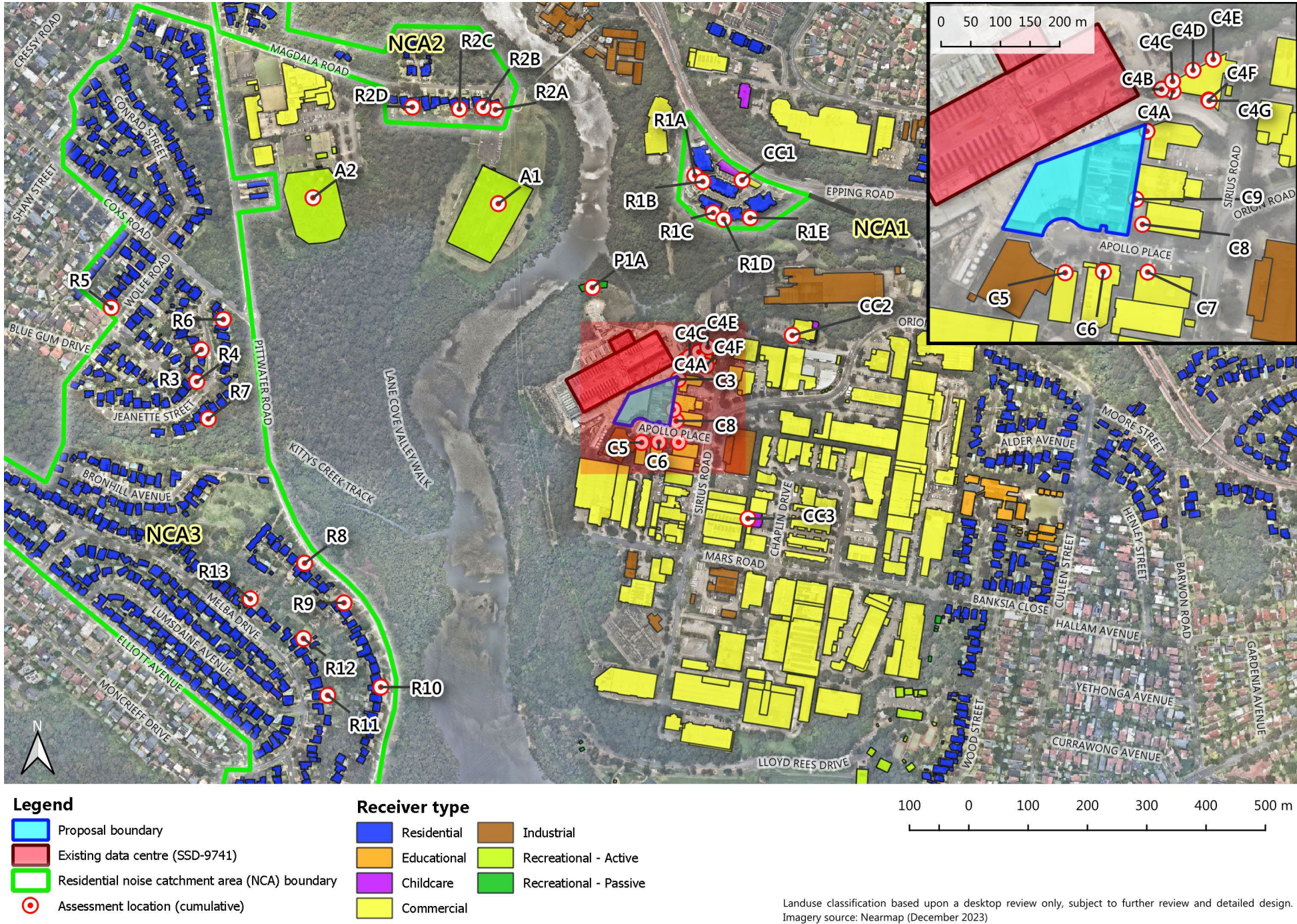
Although the cumulative noise from the data centres cannot avoid potentially exhibiting annoying characteristics during daytime and evening operations at some surrounding receivers where this has been identified, adjustments were made as part of the assessment in accordance with the NPfI, and mitigation and management recommended on the basis of these outcomes.

The detailed low-frequency noise assessment presented in the NVIA Further RtS memorandum for the night period, remains current and applicable for this assessment.

3.3 Predicted noise levels and assessment

Predicted noise levels have been assessed to all 39 potentially most-affected residential and commercial receiver locations, and a summary of these results are presented in Table 3-1. These receiver locations are illustrated in Figure 3-1.

Figure 3-1: Site location, most-affected residential and commercial assessment receiver locations, land uses and NCAs



Landuse classification based upon a desktop review only, subject to further review and detailed design.
Imagery source: Nearmap (December 2023)

Table 3-1: Predicted operational noise levels – Daytime, L_{Aeq 15min} dB(A)

Assessment time period:				Daytime (7am to 10:00pm)																			
Assessment scenario:				Existing data centre undertaking generator testing							Proposal undertaking generator testing							Typical operations (Existing and Proposal)					
Receiver (locations shown in Figure 3-1)		Receiver type	NCA	SSD 9741 CoC B14 noise limit	Predicted noise level 1					Exceedance	Predicted noise level 1					Exceedance	Predicted noise level 1					Exceedance	
					Existing (with generator testing) ²	Proposal (typical operations)	Combined noise level	LFN adjustment	Assessment noise level		Existing (typical operations)	Proposal (with generator testing) ³	Combined noise level	LFN adjustment	Assessment noise level		Existing (typical operations)	Proposal (typical operations)	Combined noise level	LFN adjustment	Assessment noise level		
R1A	150 Epping Road, Lane Cove West	Residential	NCA01	51	49	35	49	25	51	-	46	42	48	2	50	-	46	35	46	-	46	-	
R1B	150 Epping Road, Lane Cove West	Residential	NCA01	51	48	34	48	25	50	-	41	44	46	2	48	-	41	34	42	-	42	-	
R1C	150 Epping Road, Lane Cove West	Residential	NCA01	51	49	32	49	25	51	-	42	43	45	2	47	-	42	32	43	-	43	-	
R1D	150 Epping Road, Lane Cove West	Residential	NCA01	51	49	34	49	25	51	-	42	45	46	2	48	-	42	34	42	-	42	-	
R1E	150 Epping Road, Lane Cove West	Residential	NCA01	51	49	35	49	25	51	-	44	44	47	2	49	-	44	35	45	-	45	-	
R2A	65 Magdala Road, North Ryde	Residential	NCA02	46	44	24	44	25	46	-	41	36	42	2	44	-	41	24	41	-	41	-	
R2B	63 Magdala Road, North Ryde	Residential	NCA02	46	44	25	44	25	46	-	41	36	42	2	44	-	41	25	41	-	41	-	
R2C	57 Magdala Road, North Ryde	Residential	NCA02	46	44	25	44	25	46	-	41	36	42	2	44	-	41	25	41	-	41	-	
R2D	47A Magdala Road, North Ryde	Residential	NCA02	46	43	27	43	25	45	-	41	36	42	2	44	-	41	27	41	-	41	-	
R3	14 Jeanette Street, East Ryde	Residential	NCA03	45	37	22	37	25	39	-	37	33	38	2	40	-	37	22	37	-	37	-	
R4	20 Jeanette Street, East Ryde	Residential	NCA03	45	39	21	39	25	41	-	37	33	39	2	41	-	37	21	38	-	38	-	
R5	12 Wolfe Road, East Ryde	Residential	NCA03	45	41	16	41	25	43	-	40	30	41	2	43	-	40	16	40	-	40	-	
R6	3 Jeanette Street, East Ryde	Residential	NCA03	45	39	23	39	25	41	-	37	34	39	2	41	-	37	23	37	-	37	-	
R7	25 Jeanette Street, East Ryde	Residential	NCA03	45	38	21	38	25	40	-	37	33	39	2	41	-	37	21	37	-	37	-	
R8	314 Pittwater Road, East Ryde	Residential	NCA03	45	38	28	38	25	40	-	37	36	40	2	42	-	37	28	37	-	37	-	
R9	304 Pittwater Road, East Ryde	Residential	NCA03	45	38	27	38	25	40	-	37	36	39	2	41	-	37	27	37	-	37	-	
R10	286 Pittwater Road, East Ryde	Residential	NCA03	45	37	24	37	25	39	-	37	35	39	2	41	-	37	24	37	-	37	-	
R11	121 Melba Drive, East Ryde	Residential	NCA03	45	37	27	37	25	39	-	36	34	38	2	40	-	36	27	36	-	36	-	
R12	111 Melba Drive, East Ryde	Residential	NCA03	45	37	27	37	25	39	-	36	34	38	2	40	-	36	27	36	-	36	-	
R13	99 Melba Drive, East Ryde	Residential	NCA03	45	37	26	37	25	39	-	36	35	38	2	40	-	36	26	36	-	36	-	
CC1	150 Epping Road, Lane Cove West	Childcare	-	-	40	21	40	25	42	-	34	35	38	2	40	-	34	21	34	-	34	-	
CC2	18-20 Orion Road, Lane Cove West	Childcare	-	-	48	33	49	25	51	-	45	42	47	2	49	-	45	33	45	-	45	-	
CC3	3 Chaplin Drive, Lane Cove West	Childcare	-	-	39	26	39	25	41	-	39	34	40	2	42	-	39	26	39	-	39	-	
C3 ⁷	3 Sirius Road, Lane Cove West	Commercial	-	63	59	56	61	25	63	-	52	< 56 ⁴ to 69 ³	58 ⁴ to 69 ³	2 ⁵	60 ⁴ to 71 ³	< 8	52	56	58	2	60	-	
C4 ⁶	1a Sirius Road, Lane Cove West 5	Commercial	-	63	61	48	61	25	63	-	52	59	60	2	62	-	52	48	53	2	55	-	
C5 ⁷	4 Apollo Place, Lane Cove West	Commercial	-	63	51	55	56	25	58	-	51	58	59	2	61	-	51	55	56	2	58	-	
C6 ⁷	5 Apollo Place, Lane Cove West	Commercial	-	63	46	55	55	25	57	-	46	57	57	2	59	-	46	55	55	2	57	-	
C7 ⁷	11 Sirius Road, Lane Cove West	Commercial	-	63	42	52	53	25	55	-	42	54	55	2	57	-	42	52	53	-	53	-	
C8 ⁷	9 Sirius Road, Lane Cove West	Commercial	-	63	41	54	54	25	56	-	40	55	55	2	57	-	40	54	54	-	54	-	
C9 ⁷	7D Sirius Road, Lane Cove West	Commercial	-	63	43	58	58	25	60	-	39	60	60	2	62	-	39	58	58	2	60	-	
P1	Lane Cove National Park	Rec-Passive	-	48	52	20	52	25	54	6	45	33	45	2	47	-	45	20	45	2	47	-	
A1	-	Rec-Active	-	-	46	28	46	25	48	-	43	39	44	2	46	-	43	28	43	2	45	-	
A2	-	Rec-Active	-	-	44	25	44	25	46	-	43	36	43	2	45	-	43	25	43		43	-	

- Notes:
1.

Predicted noise levels modelled with noise-enhancing meteorological conditions presented in SSDA NVIA Section 2.2.3.
2.

Predicted levels provided by PWNA, for the existing data centre (SSD 9741) latest design incorporating updated operations and acoustic strategies.
3.

The noise modelling of the generators has been updated for the most north-east corner generators. The previous modelling conservatively assumed a point source, with the updated noise modelling including the generator with area sources, noting the distance to nearby receiver locations.
4.

A range for the generators across the facility is presented. Only for the generators in the north-east of the Proposal are expected to result in noise levels above the commercial external noise limit. Lower levels are predicted for the western most generators.
5.

As different generators will impact different receiver locations during testing, conservatively, a 2 dB(A) adjustment has been applied to all predicted noise levels.
6.

Seven common façade locations were assessed, and the highest cumulative noise level has been presented. This location is identified as C1 in the SSD 9741 (MOD3) Appendix 2.
7.

C1 in the SSD 9741 (MOD3) noise limits have been adopted for other nearby commercial receivers.

Table 3-2: Predicted operational noise levels – Evening and Night, $L_{Aeq,15minute}$, dB(A)

Assessment time period:				Evening (6:00pm to 10:00pm)							Night (10:00pm to 7:00am)						
Assessment scenario:				Typica operations (SSD 9741 and Proposal)							Typica operations (Existing and Proposal)						
Receiver (locations shown in Figure 3-1)		Receiver type	NCA	SSD 9741 CoC B14 noise limit	Predicted noise level ¹					Exceedance	SSD 9741 CoC B14 noise limit	Predicted noise level 1					Exceedance
					Existing ²	Proposal	Combined noise level	LFN adjustment	Assessment noise level			Existing ²	Proposal	Combined noise level	LFN adjustment	Assessment noise level	
R1A	150 Epping Road, Lane Cove	Residential	NCA01	48	45	34	46	2	48	-	43	43	33	43	-	43	-
R1B	150 Epping Road, Lane Cove	Residential	NCA01	48	40	34	41	-	41	-	43	39	33	40	-	40	-
R1C	150 Epping Road, Lane Cove	Residential	NCA01	48	42	32	42	2	44	-	43	40	31	40	-	40	-
R1D	150 Epping Road, Lane Cove	Residential	NCA01	48	41	33	42	-	42	-	43	39	32	40	-	40	-
R1E	150 Epping Road, Lane Cove	Residential	NCA01	48	43	35	44	2	46	-	43	41	33	42	-	42	-
R2A	65 Magdala Road, North Ryde	Residential	NCA02	42	40	24	40	2	42	-	36	36	23	36	-	36	-
R2B	63 Magdala Road, North Ryde	Residential	NCA02	42	40	25	40	2	42	-	36	36	24	36	-	36	-
R2C	57 Magdala Road, North Ryde	Residential	NCA02	42	40	25	40	2	42	-	36	36	24	36	-	36	-
R2D	47A Magdala Road, North Ryde	Residential	NCA02	42	40	27	40	2	42	-	36	36	26	36	-	36	-
R3	14 Jeanette Street, East Ryde	Residential	NCA03	40	35	22	36	-	36	-	35	31	20	32	-	32	-
R4	20 Jeanette Street, East Ryde	Residential	NCA03	40	36	21	36	-	36	-	35	32	20	32	-	32	-
R5	12 Wolfe Road, East Ryde	Residential	NCA03	40	38	16	38	2	40	-	35	34	14	34	-	34	-
R6	3 Jeanette Street, East Ryde	Residential	NCA03	40	36	23	36	-	36	-	35	32	22	32	-	32	-
R7	25 Jeanette Street, East Ryde	Residential	NCA03	40	36	21	36	-	36	-	35	32	20	32	-	32	-
R8	314 Pittwater Road, East Ryde	Residential	NCA03	40	36	28	37	-	37	-	35	33	25	34	-	34	-
R9	304 Pittwater Road, East Ryde	Residential	NCA03	40	36	27	37	-	37	-	35	33	23	34	-	34	-
R10	286 Pittwater Road, East Ryde	Residential	NCA03	40	36	24	36	-	36	-	35	33	20	33	-	33	-
R11	121 Melba Drive, East Ryde	Residential	NCA03	40	35	26	36	-	36	-	35	32	23	33	-	33	-
R12	111 Melba Drive, East Ryde	Residential	NCA03	40	35	26	35	-	35	-	35	32	23	33	-	33	-
R13	99 Melba Drive, East Ryde	Residential	NCA03	40	35	26	35	-	35	-	35	32	23	32	-	32	-
CC1	150 Epping Road, Lane Cove	Childcare	-	-	34	21	34	-	34	-	-	32	20	32	-	32	-
CC2	18-20 Orion Road, Lane Cove	Childcare	-	-	44	33	45	2	47	-	-	42	32	43	2	45	-
CC3	3 Chaplin Drive, Lane Cove	Childcare	-	-	37	26	38	-	38	-	-	35	24	35	-	35	-
C3	3 Sirius Road, Lane Cove West	Commercial	-	-	50	56	57	5	62	-	-	51	55	57	2	59	-
C4 ³	1a Sirius Road, Lane Cove West	Commercial	-	-	52	48	53	5	58	-	-	52	47	53	5	58	-
C5	4 Apollo Place, Lane Cove West	Commercial	-	-	50	55	56	5	61	-	-	47	53	54	5	59	-
C6	5 Apollo Place, Lane Cove West	Commercial	-	-	45	55	55	2	57	-	-	43	54	54	2	56	-
C7	11 Sirius Road, Lane Cove West	Commercial	-	-	41	52	52	2	54	-	-	39	50	51	2	53	-
C8	9 Sirius Road, Lane Cove West	Commercial	-	-	39	54	54	2	56	-	-	36	53	53	2	55	-
C9	7D Sirius Road, Lane Cove West	Commercial	-	-	38	58	58	5	63	-	-	36	57	57	5	62	-
P1	Lane Cove National Park	Recreational - Passive	-	-	44	20	44	2	46	-	-	41	19	41	2	43	-
A1	-	Recreational - Active	-	-	41	27	41	2	43	-	-	38	26	38	2	40	-
A2	-	Recreational - Active	-	-	41	25	41	2	43	-	-	37	24	37	-	37	-

Notes:

1.

Predicted noise levels modelled with noise-enhancing meteorological conditions presented in SSDA NVIA Section 2.2.3.

2.

Predicted levels provided by PWNA, for the existing data centre (SSD 9741) latest design incorporating updated operations and acoustic strategies.

3.

Seven common façade locations were assessed, and the highest cumulative noise level has been presented. This location is identified as C1 in the SSD 9741 (MOD3) Appendix 2.

3.4 Assessment outcome

Table 3-1 and Table 3-2 show the predicted cumulative noise levels inclusive of any NPfI annoyance characteristic adjustments, achieve the SSD 9741 CoC B14 noise limits at all nearby assessment receivers for all assessment periods with the recommended mitigation and management measures and latest detailed design in place.

The exceptions are for the following receiver locations:

- P1 (Lane Cove National Park) during daytime generator maintenance testing for the existing data centre. Noting the infrequent testing of generators, the short duration of the testing events, compliance is predicted during typical operations, and receivers do not consistently occupy this location, any expected noise impacts would be transient considering both receiver and source.
- C3 (3 Sirius Road, Lane Cove West) during daytime generator maintenance testing for the Proposal. The predicted noise levels adopting the refined modelling approach and including a low-frequency adjustment, resulted in lower noise levels at the adjacent critical commercial receiver C3.

This a commercial property, which also includes the Lane Cove Tunnel & M2 motorway control facility and a ventilation stack from the Lane Cove Tunnel.

Noting that noise levels are lower than previously predicted with the refined modelling approach, and considering that maintenance testing is proposed to occur 3 times per year for each generator, with a 20 minute run time per test as per NVIA Section 3.4 during the daytime period, and noise levels above 63 dB(A) $L_{Aeq, 15\text{minute}}$, are only expected when generators in the northern-east gantry of the Proposal are tested, further mitigation measures are not considered reasonable.

As such, the discussion and recommendations in SSDA NVIA Section 5.4.3.1 to manage potential noise impacts from generator maintenance testing and address this residual impact, remain applicable. To manage potential impacts, this includes further investigation of the potentially impacted spaces and associated facade construction of 3 Sirius Road, plus consultation with the building occupants along with consideration of feedback from the occupants as part of the maintenance testing plan for generators on the eastern side of the northern gantry.

Document control

Date	Revision history	Non-issued revision	Issued revision	Prepared	Instructed	Reviewed / Authorised
16.06.2025	Prepare responses	0	-	A. Leslie	A. Leslie	-
17.06.2025	Final responses	1	2	A. Leslie	A. Leslie	P. Karantonis
File Path: \\192.168.168.249\data\AssocSydProjects\TN601-TN650\TN610 ale Apollo Datacentre\1 Docs\10 RtS\Additional 20250515\TN610-05F04 Apollo Place Data Centre - Additional 20250513 RtS (r2).docx						

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The work presented in this document was carried out in accordance with the Renzo Tonin & Associates Quality Assurance System, which is based on Australian/New Zealand Standard AS/NZS ISO 9001.

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In preparing this report, we have relied upon, and presumed accurate, any information (or confirmation of the absence thereof) provided by the Client and/or from other sources. Except as otherwise stated in the report, we have not attempted to verify the accuracy or completeness of any such information. If the information is subsequently determined to be false, inaccurate, or incomplete then it is possible that our observations and conclusions as expressed in this report may change.

We have derived data in this report from information sourced from the Client (if any) and/or available in the public domain at the time or times outlined in this report. The passage of time, manifestation of latent conditions or impacts of future events may require further examination and re-evaluation of the data, findings, observations and conclusions expressed in this report.

We have prepared this report in accordance with the usual care and thoroughness of the consulting profession, for the sole purpose described above and by reference to applicable standards, guidelines, procedures and practices at the date of issue of this report. For the reasons outlined above, however, no other warranty or guarantee, whether expressed or implied, is made as to the data, observations and findings expressed in this report, to the extent permitted by law.

The information contained herein is for the purpose of acoustics only. No claims are made and no liability is accepted in respect of design and construction issues falling outside of the specialist field of acoustics engineering including and not limited to structural integrity, fire rating, architectural buildability and fit-for-purpose, waterproofing and the like. Supplementary professional advice should be sought in respect of these issues.

External cladding: No claims are made and no liability is accepted in respect of any external wall and/or roof systems (eg facade / cladding materials, insulation etc) that are: (a) not compliant with or do not conform to any relevant non-acoustic legislation, regulation, standard, instructions or Building Codes; or (b) installed, applied, specified or utilised in such a manner that is not compliant with or does not conform to any relevant non-acoustic legislation, regulation, standard, instructions or Building Codes.