

20181377.1/2501A/R0/MF

25/01/2019

The Data Exchange Network Limited
9 Mumford Place
BALCATTA WA 6021
AUSTRALIA

Email: accounts@dataexchange.io

5 Parkview Drive, Sydney Olympic Park - Response to Sydney Olympic Park Letter

1 INTRODUCTION

Acoustic Logic Consultancy (ALC) has been asked to review and respond to the queries contained in the *request of additional information* letter provided by Sydney Olympic Park Authority (SOPA) dated 18th January 2019 (reference DA 13-11-2018), this letter is appended to this report (Appendix A).

In addition, a revised report (revision 5, dated 25th January 2019) has been undertaken and should be read in conjunction with this letter.

2 QUERIES AND RESPONSES

2.1 QUERY 1A

SOPA Query

- a) The Soka Gakkai International Australia Buddhist Centre at 3 Parkview Drive is defined as a Place of Worship. The Acoustic Impact Assessment incorrectly identifies this site as a commercial premises, which has significantly higher amenity noise criteria than a place of worship.

Please revise the Acoustic Impact Assessment to include assessment of proposed development against the amenity noise criteria for a place of worship at 3 Parkview Drive.

SYDNEY
A: 9 Sarah St
MASCOT 2020
T: (02) 8339 8000

SYDNEY MELBOURNE BRISBANE CANBERRA
LONDON DUBAI SINGAPORE GREECE

ABN: 11 068 954 343

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ALC Response

- When the report was commissioned we were aware that the Soka Gakkai International Australia Buddhist Centre was located adjacent, however were not aware the facility is used as a venue for Public Worship (similar to a Buddhist Temple).
- In the event the facility is used for public worship, then the *Place of worship* criteria from the NSW EPA *Noise Policy for Industry (NPfI) 2017* would apply. This is outlined below.

Table 2.2: Amenity noise levels.

Receiver	Noise amenity area	Time of day	L _{Aeq} , dB(A)
(see Table 2.3 to determine which residential receiver category applies)			Recommended amenity noise level
Residential	Rural	Day	50
		Evening	45
		Night	40
	Suburban	Day	55
		Evening	45
		Night	40
	Urban	Day	60
		Evening	50
		Night	45
Hotels, motels, caretakers' quarters, holiday accommodation, permanent resident caravan parks	See column 4	See column 4	5 dB(A) above the recommended amenity noise level for a residence for the relevant noise amenity area and time of day
School classroom – internal	All	Noisiest 1-hour period when in use	35 (see notes for table)
Hospital ward internal	All	Noisiest 1-hour	35
external	All	Noisiest 1-hour	50
Place of worship – internal	All	When in use	40
Area specifically reserved for passive recreation (e.g. national park)	All	When in use	50

- We note, the revised Acoustic Report prepared by this office (revision 5) has been amended with the new Place of worship criteria listed above.
- In addition, we can confirm compliance with this new 40dB(A)_{Leq} is achieved and no further acoustic treatments are required to be installed.
- In addition to this information provided above, we have been advised by our Client that in the event of approval, consultation with neighbouring receivers (in particular the Soka Gakkai International Australia Buddhist Centre) would be undertaken to try as much as practical carry out testing of plant or servicing at periods during the day when less sensitive activities are taking place.

2.2 QUERY 1B

SOPA Query

- b) The Acoustic Impact Assessment does not include maximum noise level event criteria and assessment for residential receivers as required by Section 2.5 of the Noise Policy for Industry 2017.

ALC Response

- Revised acoustic report has included the criteria (section 4.1.1.1.3) and assessment (section 4.2.3.3) of maximum noise level events for the residential receivers.
- We can confirm compliance with this new 56dB(A) L_{max} criteria is complied with and no further acoustic treatments are required to be installed.

2.3 QUERY 1C

SOPA Query

- c) The assessment of noise from the backup generators has not included exhaust noise levels. Please revise the Acoustic Impact Assessment to include this information.

ALC Response

- The proposed generators area is enclosed in a propriety sound attenuated enclosure which the noise data which has been provided to this office is of the complete operation of the unit. Therefore, exhaust noise is inclusive. Please refer to page 36 of the submitted acoustic report for the noise data sheets.

2.4 QUERY 1D

SOPA Query

- d) The generator sound data provided indicates that the predicted noise emissions can be classified as low-frequency noise. Accordingly, an 'annoying characteristics' assessment of the noise emissions should be undertaken, in accordance with Fact Sheet C of the Noise Policy for Industry to determine whether any corrections need to be applied to the noise criteria for the proposed development.

ALC Response

- Revision 4 of the submitted acoustic report predicted noise levels only to external boundaries. We can confirm that all external predictions do not require any penalties for annoying characteristics.
- However, in light of the noise criteria change for the Soka Gakkai International Australia Buddhist Centre (i.e. external criteria changed to internal criteria), as outlined in revision 5 of the report a pentality for low frequency noise has been applied for generators.

2.5 QUERY 1E

SOPA Query

- e) Section 4.1.1.1 of the Acoustic Impact Assessment states that the operation of backup power plant has been excluded from the acoustic assessment. Information in subsequent sections of the report indicate that noise from the backup generators has been assessed, which is consistent with the requirements of the Noise Policy for Industry 2017. Please clarify whether the statement in Section 4.1.1.1 is correct and amend the report as required.

ALC Response

- Predicted noise levels for the generator are presented already in the report, section 4.2.3.2.

We trust this information is satisfactory. Please contact us should you have any further queries.

Yours faithfully,



Acoustic Logic Consultancy Pty Ltd
Matthew Furlong

APPENDIX A – SYDNEY OLYMPIC PARK AUTHORITY LETTER (SOPA)

SOPA reference: DA 13-11-2018

The Data Exchange Network Limited
C/- Knight Frank Town Planning
Level 22, 123 Pitt Street
Sydney NSW 2000

Attention: Sedat Erol

Dear Sedat

**REQUEST FOR ADDITIONAL INFORMATION
Development Application DA13-11-2018
5 Parkview Drive, Sydney Olympic Park NSW 2127**

I refer to the development application submitted by The Data Exchange Network Limited on 30 November 2018, which seeks approval for alterations and additions to the existing building at 5 Parkview Drive for its use as a data centre.

Sydney Olympic Park Authority (SOPA) has undertaken an assessment of the revised information, submitted on 21 December 2018. The assessment has identified a number of issues, outlined below, which need to be addressed before your application can be determined.

1. Acoustic Impact Assessment

A peer review of the Acoustic Impact Assessment prepared by Acoustic Logic identified the following issues requiring amendment or further clarification:

- a) The Soka Gakkai International Australia Buddhist Centre at 3 Parkview Drive is defined as a Place of Worship. The Acoustic Impact Assessment incorrectly identifies this site as a commercial premises, which has significantly higher amenity noise criteria than a place of worship.

Please revise the Acoustic Impact Assessment to include assessment of proposed development against the amenity noise criteria for a place of worship at 3 Parkview Drive.

- b) The Acoustic Impact Assessment does not include maximum noise level event criteria and assessment for residential receivers as required by Section 2.5 of the Noise Policy for Industry 2017.
- c) The assessment of noise from the backup generators has not included exhaust noise levels. Please revise the Acoustic Impact Assessment to include this information.
- d) The generator sound data provided indicates that the predicted noise emissions can be classified as low-frequency noise. Accordingly, an 'annoying characteristics' assessment of the noise emissions should be undertaken, in accordance with Fact Sheet C of the Noise Policy for Industry to determine whether any corrections need to be applied to the noise criteria for the proposed development.

- e) Section 4.1.1.1 of the Acoustic Impact Assessment states that the operation of backup power plant has been excluded from the acoustic assessment. Information in subsequent sections of the report indicate that noise from the backup generators has been assessed, which is consistent with the requirements of the Noise Policy for Industry 2017. Please clarify whether the statement in Section 4.1.1.1 is correct and amend the report as required.

Should any additional acoustic screening be required in order to (comply with NSW Noise Policy for Industry 2017), or plant and equipment need to be relocated within the site, amended architectural plans will need to be submitted as part of the revised documentation.

Should you have any queries regarding the above, please contact Dylan Sargent, Urban Planner on (02) 9714 7139 or at Dylan.Sargent@sopa.nsw.gov.au.

Yours sincerely,



18.01.2019

Alix Carpenter
Senior Manager, Planning