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NOISE IMPACT STATEMENT

ORGANIC FOOD MARKETS

In Grounds of Pittwater RSL

82 Mona Vale Road,
MONA VALE NSW 2130

AUGUST 2023

PREPARED FOR: Organic Food Markets
SITE LOCATION: 82 Mona Vale Road, MONA VALE NSW 2130
DATE: 18 August 2023

INTRODUCTION

This Report/assessment is to establish whether the activities arising from the use of the Organic Food Markets Lot 27 DP 5055, 22 Jubilee Avenue Warriwood NSW 2102, trading on Sundays between 8am and 2:30pm, on the grounds of Pittwater RSL 82 Mona Vale Rd Mona Vale have impacted or have increased noise levels present in the surrounding residential environment.

Sampled noise measurements were taken at 7:45 AM, 8:10am, 8:30am and 10:45am on the boundary of the nearest sensitive receiver at 185 Warriewood Rd opposite the entrance to 22 Jubilee Ave, The Organic Food Markets site on 13 August 2023.

The noise data collected Sunday the 13th August 2023 is to formulate an accurate summation of the current conditions generated by the operation of the Markets in comparison to the data collected on 4th April 2021 where no market activities were present.

This will establish whether or not there is an increase in operational noise impact on surrounding residential properties.

The observations in this report are developed in accordance with noise criteria set by Northern Beaches Council the NSW Industrial noise Policy (INP) and Protection of the Environment Operations Act 1997. Nighttime is defined as being from 10pm Saturday to 8am Sunday.

Prevailing Requirements

Northern Beaches Council permit the trading of the markets from 8:30am to 2:30pm Sundays. The vendors vehicles are allowed to access the site in an orderly manner from 7:30am.

The noise data used here are the results of attended test measurements gathered on 13th of August 2023 at the boundary of 185 Warriewood Road north boundary facing the entrance to the Organic Food Markets 22 Jubilee Av Warriwood and as being nominated previously as the nearest sensitive receiver.

DESCRIPTION OF SITE

The markets operate within the parking lot of the Pittwater RSL. It is bound to the west by the Blackmores warehouse/ distribution centre, to the south is Jubilee Avenue and to the East Foley Street

On site at the corner of Jubilee and Foley Street a residential premise No 22 Jubilee Avenue forms part of the Pittwater RSL land and therefore not deemed a complainant.

The nearest sensitive receiver is at a residential boundary, 185 Warriwood Avenue, this property boundary is directly opposite the entrance to the markets at 22 Jubilee Ave.

It comprises a dense hedgerow full length to the side of the property and approximately 1.9 M high and can be expected to provide significant attenuation from the activities of the markets, particularly from the use of the markets as well as the vendors main point of entry at 7:30am Sunday mornings. See Pic 1.

**The position of the market vendors, within the grounds of Pittwater RSL, is bounded by a significant quantity of hedges and trees around the perimeter of the Services club parking lot providing significant natural attenuation/sound absorption.*

MEASUREMENT LOCATIONS



Position 1.

North boundary of 185 Warriwood Road Opposite the entrance to the Organic Food Markets 22 Jubilee Avenue position 1.

MEASUREMENT PERIOD

Measurement samples were taken from 7:45am to 10:45am on Sunday 13 August 2023 at measurement Position 1 on the North boundary of 185 Warriwood Road.

MEASUREMENT EQUIPMENT

Attended noise measurements were carried out using a Norsonics 118 class 1 sound analyser. The analyser was calibrated before and after each measurement session using a Norsonics Sound Calibrator type 1251 with no significant drift detected before or after each measurement period. The meter simultaneously measures LAeq, L10 and L90 as well as a raft of other statistical noise data.

L90 represent noise levels for 90% of the measurement period.

L10 represents noise levels for 10% of the measurements periods and gathers spikes in the environment including transient traffic noises present.

LAeq (dBA) is the average of total noise levels for the 15 Minute measurement period.

CRITERIA

Two sets of noise criteria are prescribed to meet the environmental noise objectives. The Intrusive Criteria and Amenity Criteria.

These Criteria or acceptable operational levels are a set of level values derived from actual measured noise samples set against the relevant criteria and applied to the Organic Food Markets potential noise impact on the surrounding most sensitive residential receiver.

THE INTRUSIVE CRITERIA

Is defined in the Protection of the Environment Operations Act 1997 and summarized as: **LAeq, 15minute ≤ rated background L90 level plus 5 during the hours 8am to 6pm Sundays (daytime).**

As well as: LAeq, 15minute ≤ rated background L90 level plus 0dB during the hours 10pm Saturday 8am Sundays (nighttime)

The Rated background level (RBL) or L90 is: the measured noise level on site in the absence of activity from the proposed development for 90% of the time.

THE AMENITY CRITERIA

The **LA10 noise level** emitted from the use must not exceed the Background noise level (LA90) in any Octave Band Centre Frequency (31.5 Hz to 8 kHz inclusive) by more than 5dB between the hours of 8.00am and 10pm (Sundays) when assessed at the boundary of any affected residence.

EXISTING ACOUSTIC ENVIRONMENT

The samples for L90, LAeq and L10 tests were carried out on 4th April 2021 with no activity within the markets.

Tests carried out on the 13 August 2023 when the markets were in operation.

Table 1. below compares the levels with and without the Organic Foods Markets in operation.

Table 1. :- Measured Noise Level comparisons opposite 22 jubilee Av on 13th August 2023 compared against the measurements gathered on 4 April 2021 in the same measurement location in the same time frame.

Location	Measurement Time Sundays	L10	L90	LAeq(15minutes)
North Boundary of 185 Warriwood Road Position 1.	4 April 2021 7:42am No market Activities	60.8	41	57.3
North Boundary @185 Warriwood Road. Position 1.	13 August 2023 7:45am Bump in	62.4	44.7	59.7
North Boundary of 185 Warriwood Road Position 1.	4 April 2021 10:15am No market Activities	63.1	44.2	58.6
North Boundary 185 Warriwood Road Position 1.	13 Aug 2023 10:45am Markets in operation	64.3	50.1	60.7

- There is no significant increase in the noise environment present during the operations of the Markets observed in the above data comparisons.

SUMMARY

Table 1. previous page represents a comparison between the noise environment at the nearest sensitive receiver being at the north property boundary of 185 Warriwood Rd with no market activity and with a normal market activity being present in the comparative times.

There being significant noise levels from local through traffic to the immediate environment as evidenced in the measurements of Sunday 4th April 2021 with no market activity present, which is the primary noise source which raises the L10 levels prior to 8am Sundays, nominated as nighttime and continuing throughout the day irrespective of activities by the operation of the Markets.

The movement of the market's vendors at 7:30am is of a short duration and is carried out in an orderly fashion with low noise impacts.


CONCLUSION

The noise data indicates that any noise generated by the operation of the Organic Markets within 22 Jubilee Avenues is masked by the movement of through traffic, including bus routes, through the crossroad junction of Jubilee Ave and Foley Street.

The comparison shown in Tables 1 provides clear evidence the noise environment has not changed over the recent period of operation of the markets at the location under study in an environment where clearly traffic noise sources dominate ambient noise levels.

The source of breaches of the Ambient Noise criteria Background(L90) + 5dB and or the Intrusive Criteria being prescribed as LAeq 15minute \leq rating background level or (L90), plus 5, are in the environment under study generated by local through traffic movements not from the market's activities, as illustrated in Table 1. Noise level comparisons.

Thanking You.



Ian McGrath.

Acoustic Consultant