

NOISE IMPACT STATEMENT REVIEW

ORGANIC FOOD MARKETS

22 Jubilee Ave

Warriewood NSW 2102

OCTOBER 2020

PREPARED FOR: Organic Food Markets

SITE LOCATION: 22 Jubilee Avenue Warriewood NSW 2130

DATE: 8 October 2020

INTRODUCTION

This Report/Review addresses the potential noise impact of 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.

The writer observed that Vendors Vehicles enter Jubilee Avenue at the roundabout with Ponderosa Parade shortly before 7:30 am. The Vendors Vehicles proceed along Jubilee Avenue and form a queue to enter the grounds through the entrance to Pittwater RSL car park at 7:30am directly opposite the north boundary of the nearest sensitive receiver being 185 Warriwood Road. The entrance for vendors vehicles/load on is the dual driveway on 22 Jubilee Avenue. The load in time for the vehicles to enter the car park was timed at 7 to 10 minutes.

The occupants of 22 Jubilee Ave located on the services club have given the author verbal assurances that they have no issues in terms of intrusive noise, nor their quiet enjoyment of the property at setup time (7:30am) on Sunday mornings. Therefore, not used as a measuring position.

The use of data from readings on Saturdays is excluded from this review as the movement of traffic through the cross roads on the corner of Warriwood Road and Jubilee Ave location may vary significantly to that on Sunday, thus compromising the analysis of the collected Sundays data and the necessary considerations to formulate an accurate summation of the prevailing conditions.

The recommendations 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

Vendors Vehicle Access

Nighttime is defined as being from 10pm Saturday to 8am Sunday, therefore with permission from the Northern Beaches Council the vendors vehicles start to access the site from Sunday 7:30am (nighttime).

The noise data used is the results of attended test measurements gathered from 13 to 27 October between the hours of 7:30am and 11am from the boundary of the residential property at 185 Warriwood Road and again on Foley Street

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 center. To the south is Jubilee Avenue. 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 property, a private residential premise. A non-complainant.

The Northern boundary of 185 Warriwood Road, facing the entrance to the markets at 22 Jubilee Ave, 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 in situ is bounded by a significant quantity of hedges and trees around the perimeter of the Services club parking lot, providing sound absorption barrier.

MEASUREMENT LOCATIONS

Image a.



Position 1. North boundary of 185 Warriwood Road

Position 2. The corner of Foley Street and Vineyard street.

MEASUREMENT PERIOD

Measurement samples were taken from 7AM to 10AM on Sunday 13 September Measurement Position 1 at the boundary of 185 Warriewood Road, and again on Sunday the 27th September 2020 Measurement position 2 at the crossroads of Warriewood, Foley and Jubilee/Vineyard Avenue at 7:30 am and again post 8am at both positions. *No measurements were gathered from the residence on 22 Jubilee as the assured the writer they are non-complainants.

MEASUREMENT EQUIPMENT

Attended noise measurements were carried out using a Norsonics 118 class 1 sound analyzer in all tests. The analyzer was calibrated before and after each measurement session using a Norsonics Sound Calibrator type 1251. No significant drift was 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.

NOISE CRITERIA

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

The Intrusive Criteria

defined by the Protection of the Environment Operations Act 1997 and summarized as: **LAeq (15minute) ≤ rated background L90 level plus 5dB.** 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 **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 8am to 10pm Sundays. And 0dB above background noise levels from 10pm & 8Am Sunday.**

EXISTING ACOUSTIC ENVIRONMENT

The samples for L90, LAeq and L10 tests were taken with no activity within the markets and again when the markets were in operation.

The noise levels acquired at the site and in particular from Position 2 reflect the existing established background noise levels along Foley, a steep gradient that joins Pittwater road to Warriwood road, a significant and notable contributor to the noise levels early on Sunday mornings.

The same can be said of Vineyard as it joins Pittwater Road to Jubilee Ave although without the steep gradient.

Table 1.: - Measured Noise Levels opposite 22 jubilee Av and @ Cnr Foley & Vineyard Street.

Location	Time (hrs.) Sundays	L10	L90	LAeq(15minutes)
North Boundary of 185 Warriwood Road. Posit 1.	13 th September 2020 M003 @ 7:43am	63.3	46.3	57.8
Posit 2. Crossroads of Foley, Vineyard & Warriwood Road	27 th September 2020 M001 @ 7:24am	60.8	48.6	59.1

Table 2: Measured Noise Levels Inner City Annandale (no aircraft movement) 18 Oct 2020

Location Urban Inner City	Time (hrs.) Sundays	L10	L90	LAeq(15minutes)
Trafalgar & Albion St Annandale. 100M from Paramatta Rd	18 October 2020 7:13am.	60dB	45dB	56.2dB

SUMMARY

The movement of local (not patrons' vehicles) traffic from 7am through the crossroads of Foley & Vineyard Streets are noticeable and are main contributors to the raised levels recorded at site as observed during the attended measurements. See; Tables 1 & 2 as an example that the site is yielding a similar noise environments similar noise environment although 22 Jubilee Ave is Suburban, and Annandale is Urban inner City.

The steep gradient of Foley Street that joins Mona Vale Road with Warriewood Road, during the operation hours of the Organic Markets, generates significant noise levels from local through traffic to the immediate environment, for they are moving at increased velocities and purpose where the patrons approach is more a meandering low velocity event looking for safe parking positions.

There is no perceivable noise generated from the markets between 8am and 2pm as in the first instance there is an absence of raised or loud voices emanating from the site to the nearest sensitive receiver. The patrons are a gathering more accurately described as mingling as opposed to hustle and bustle therefore lower impact to the immediate surroundings

The site grounds that encompass the markets provides by way of well populated matured vegetation, in the form of trees with significant canopy, around the boundary of 22 Jubilee, this provides significant noise barriers/attenuation to the immediate surrounding area.

CONCLUSION

The noise data with direct observation of the markets operation indicates that any noise generated by the operation of the Organic Markets within 22 Jubilee Avenues is low to inaudible at the nearest sensitive receiver 185 Warriewood Rd and across Foley Street masked by the movement of through local traffic, including a bus route, on the crossroad junction of Jubilee Ave and Foley Street is significant. The entry and exit by the vendors are orderly and brief. The behavior of the patrons inside the markets is observed as mingling as opposed to hustle and bustle, therefore low noise emissions.

The source of breaches of the Amenity Criteria and or the Intrusive Criteria being prescribed as L10 level \leq rating background level or (L90), plus 5, are in the environment under study most likely generated by local through traffic movements at the crossroad not from the markets activity itself. The constant presence of the contribution to the noise environment by existing local traffic movement is significant and can't easily be ignored it would be remiss to do so.

Thanking You.

Ian McGrath.
Acoustic Consultant