

Noise Mitigation Programme

Report No 16 October 2011

1.0 Introduction

This report provides an update on the Noise Mitigation Programme from October 2010 to October 2011. The report should be read in conjunction with previous Noise Mitigation Programme reports which provide details of the entire Programme and progress since October 2003. Reports are generally produced every six months, though in this case this report covers a 12 month period.

The Noise Mitigation Programme provides for offers of acoustic treatment which are made to owners of various Activities Sensitive to Aircraft Noise (ASANs) in noise impacted areas around Auckland International Airport (AIA), under Condition 10 of Designation 231. This designation forms part of the Manukau District Plan.

AIAL's general requirements under the Programme fall into the following areas:

1. Existing Buildings subject to noise from Aircraft Operations;
2. Existing Buildings subject to Engine Testing Noise; and
3. New Buildings at Educational Facilities.

This report assumes that the reader is familiar with the terminology used in Designation 231 and for that reason definitions and terms from the designation and from the operative Manukau District Plan are used without further definition in this report.

2.0 Existing Buildings Subject to Noise from Aircraft Operations

The Airport Designation categorises three types of Existing Buildings:

- Educational Facilities
- Registered Pre-schools
- Others (predominately household units (referred to as dwellings in this report) but also includes child centres, hospitals, and rest homes etc).

AIAL is required to offer acoustic treatment to the owners of these Existing Buildings when the predicted noise level from aircraft operations reaches specified levels. In order to know when these offers should be made AIAL produces Annual Aircraft Noise Contours (AANCs). Progress with offers of acoustic treatment relating to each set of AANCs is outlined below.

2.1 Offers to Existing Dwellings

2.1.1 Offers relating to the 2004 AANCs

Under the 2004 AANCs, offers of acoustic treatment packages were made to the owners of 471 dwellings in March and April 2005. In March 2006 a further 23 offers were made to apartments on a property in Freemans Way who had not been

included in the initial offer. All offers were open for 12 months and have now closed.

AIAL's offer was accepted for 47 properties. 45 of these properties are inside the Ldn 60 dBA contour and two are inside the Ldn 65 dBA contour. 38 of the properties are owned by Housing New Zealand. Work to install the acoustic treatment packages at these properties is proceeding.

2.1.2 Offers relating to the 2006 AANCs

Under the 2006 AANCs offers of acoustic treatment packages were made to the owners of 653 dwellings in October and November 2006. These offers were open for 12 months. AIAL's offer was accepted for 153 properties. 20 of these properties are inside the Ldn 60 dBA contour and 1 is inside the Ldn 65 dBA contour. 133 of the properties are owned by Housing New Zealand. Work to install the acoustic treatment packages at these properties is proceeding.

2.1.3 Offers relating to the 2007 AANCs

The 2007 AANCs were published in February 2007. Under these contours offers were required to be made to the owners of 5 dwellings. These offers were made on 24 April 2007 and were sent to the homeowners by Manukau City Council using their ratepayer database. This is the same process as was used for previous offers. No offers were accepted and offers have now closed.

2.1.4 Offers relating to the 2008 AANCs

The 2008 AANCs were published in October 2007. Under these contours offers were required to be made to the owners of 241 dwellings. These offers were made on 30 April 2008 and were sent to the homeowners by Manukau City Council using their ratepayer database. This is the same process as was used for previous offers. Offers were open until the end of April 2009 and are now closed.

AIAL's offers were accepted by 13 properties. Ten of these properties are inside the Ldn 60 dBA contour and three are inside the Ldn 65 dBA contour. Six of the properties are owned by Housing New Zealand.

2.1.5 Offers relating to the 2009 AANCs

The 2009 AANCs were published in October 2008. Under these contours offers were required to be made to the owners of 1055 dwellings. These offers were made on 8 June 2009 and were sent to the homeowners by Manukau City Council using their ratepayer database. This is the same process as was used for previous offers. Offers are now closed.

AIAL's offers were accepted by 61 properties. Forty three of these properties are inside the Ldn 60 dBA contour and eighteen are inside the Ldn 65 dBA contour.

2.1.6 Offers relating to the 2010 AANCs

The 2010 AANCs were published in October 2009. Under these contours offers were required to be made to the owners of approximately 225 dwellings. These offers were made in April 2010 and were sent to the homeowners by Manukau City Council using their ratepayer database. This is the same process as was used for previous offers. Offers are now closed.

AIAL's offers have been accepted by 19 properties. Seventeen of these properties are inside the Ldn 60 dBA contour and two are inside the Ldn 65 dBA contour. Work to install the acoustic treatment packages at these properties is proceeding.

2.1.7 Offers relating to the 2011 & 2012 AANCs

Both the 2011 & 2012 AANCs lie inside the 2010 AANCs so no offers have been generated by either set of contours. Offers relating to the 2011 AANCs would have been made in April 2011, if some had been generated, and offers relating to the 2012 AANCs would be made in April 2012, again if some had been generated.

2.1.8 Summary Statement

As indicated above no offers were made against the 2011 AANCs and no offers will be made against the 2012 AANCs. Hence the next round of offers would be in April 2013, at the earliest.

An intense phase of acoustic treatment work is thus drawing to a close.

Over that period AIAL made 2703 offers and 293 of those offers were accepted.

Work on the latter of those acceptances is still on-going.

Of the 293 acceptances, a small number (less than 10) withdrew from the process, for various reasons, before acoustic work on their properties had commenced. In another 20 or so cases acoustic work has not been able to commence because the homeowners have not completed tasks, such as rectifying pre-existing defects or completing the covenant, which are required to be done before acoustic work on their properties can commence.

2.2 Existing Educational Facilities

Based on the 2004 AANCs, Puhinui Primary School qualified for an acoustic treatment offer in April 2005. This offer was accepted by the Ministry of Education. A package to be installed at the school was developed and work is now completed at the school.

Based on the 2006 AANCs, Redoubt North School, Clover Park Middle School and the South Auckland Seventh Day Adventist School received offers for acoustic treatment in October 2006. These offers were made on 20 October 2006 and were open for 12 months. Offers have now closed.

South Auckland Seventh Day Adventist School and Clover Park Middle School have accepted AIAL's offer and work is now complete in both schools.

Based on the 2008 AANCs, Papatoetoe South and Chapel Downs schools received offers for acoustic treatment. Both of these offers were accepted, and work is now complete.

2.3 Existing Registered Preschools

Two existing registered preschools qualified for an acoustic treatment offer in April 2005. Offers were made to the owners of these properties on 21 April 2005 and

AIAL visited both properties. Te Kohanga Reo O Te Rangimaria have accepted AIAL's offer. Details relating to the ownership of the land are currently being resolved.

Based on the 2006 AANCs one preschool qualified for an offer of acoustic treatment. This offer was made on 20 October 2006 and was open for 12 months. This offer is now closed.

Based on the 2008 AANCs one preschool qualified for an offer of acoustic treatment. This offer was made on 30 April 2008 and is open for 12 months. This offer is now expired.

3.0 Existing Buildings Subject to Engine Testing Noise

These offers were made to the owners of 13 Existing Buildings within the specified Ldn 57 Area in April 2004. Offers were open for one year. No offers were accepted and offers have now closed.

4.0 New Buildings at Educational Facilities

Under Conditions 10(k) & 10(m), AIAL is obligated to offer funding for acoustic treatment in new noise sensitive buildings at both existing and new public Educational Facilities in the MANA.

The requirement to make those offers is conditional on certification from the Ministry of Education. Basically AIAL's role is a reactionary one after advice from the MoE.

In the period of this report AIAL has been requested to provide further funding to Redoubt North School for the upgrade and extension of a performing arts centre. In previous years funding has been provided for new buildings at educational facilities as shown in the table below.

School Name	Details	Year
Redoubt North School	6 new classrooms	2004
Puhinui School	3 new classrooms plus a plant room to serve these and six existing classrooms (funded as new and existing educational facility)	2004
Papatoetoe South School	2 new classrooms	2005
Chapel Downs School	3 new classrooms plus new library (funded as new and existing educational facility)	2006
Redoubt North School	7 new classrooms	2008
Papatoetoe South School	1 new classroom plus modification of an existing classroom	2009
Chapel Downs School	2 new classrooms	2010

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