

Arnott, Melvina

From: Chambers, Jean
Sent: 09 January 2019 09:48
To: Arnott, Melvina
Subject: FW: P18-122-R04, Initial aircraft noise assessment, Solent Airport. P/18/1118/OA

Consultee comment

Jean Chambers
Principal Planner (Development Management)
Fareham Borough Council
01329 824355



From: Perkins, Craig
Sent: 08 January 2019 16:26
To: Chambers, Jean <JChambers@Fareham.Gov.UK>
Subject: Ref: P18-122-R04, Initial aircraft noise assessment, Solent Airport.

Hi Jean

I spoke with Graham the acoustic consultant from Hepworth Acoustics who clarified the assessment procedure. The calculation of aircraft noise does appear to be representative.

The proposed dwellings in the southern part of development that are under the flight path will be impacted by intermittent noise of aircraft landing and taking off, however the average noise level will fall within the outdoor levels specified in BS8233:2014. The operating hours of Solent Airport are limited to daytime hours only and therefore night time noise (except movements of the emergency services) is not likely to be problem. In short, a person choosing to live under the flight path of Solent Airport will be impacted by intermittent noise of passing aircraft during the day, however the level of noise isn't likely to require specific mitigation by the developer.

The developer should be encouraged however to adopt good design principles to limit the impact of noise for properties under and close to the flight path of Solent Airport. Mitigation measures may include reducing outdoor space for the worse impacted properties, good orientation and location of dwellings including outdoor space, using buildings to provide screening to others, and additional noise insulation and ventilation measures.

Regards

Craig Perkins
Senior Environmental Health Officer
Fareham and Gosport
01329 824775
07979 240772

From: Perkins, Craig
Sent: 07 January 2019 09:52
To: 'bristol@hepworth-acoustics.co.uk' <bristol@hepworth-acoustics.co.uk>
Cc: Chambers, Jean <JChambers@Fareham.Gov.UK>
Subject: Ref: P18-122-R04

Hi Graham,

Ref: P18-122-R04, Initial aircraft noise assessment, Solent Airport.

Thank you for the initial aircraft noise assessment. It was very informative.

I have a question regarding the initial aircraft noise assessment.

The assessment states:

"As such, an annual average daytime LAeq,16hr aircraft noise level has been calculated based on the logarithmic average of all measured samples of SEL (LAE) for aircraft take-offs, and considering 16hrs x 365days as the time reference, and 20,000 as the number of events, given that the remaining 20,000 of the annual allowance would be landings and would not be expected, based on this assessment, to contribute to the overall noise level.

The calculation of indicative estimate of the annual average aircraft noise level is 52dB LAeq,16hr."

I am concerned about the assumption that noise from landings are not expected to contribute to overall noise level. I contacted Solent Airport and they advised that aircraft will land into the wind and that depending on wind direction aircraft will land from a north east direction. I have personally seen and heard aircraft landing from the north east and flying over Gosport Road (B3334) when landing at Solent Airport, from this I assume that noise from landing aircraft will be audible above ambient at the measurement location and at the development site.

Based on this information can you provide an explanation as to why noise from landings are not expected to contribute to noise level. If an error has been made in the calculation please can you recalculate the initial assessment taking noise from landing aircraft into account.

Regards

Craig Perkins
Senior Environmental Health Officer
Fareham and Gosport
01329 824775
07979 240772

