

SUMMARY STATEMENT

1. My full name is **Jeremy William Trevathan**. I am employed as the Principal Acoustic Engineer at Acoustic Engineering Services Limited (**AES**).
2. I have provided a brief of evidence dated 11 August 2023 relating in part to the Residential – Industrial Interface Qualifying Matter (**QM**).
3. The District Plan (**the Plan**) noise rules which control the residential - industrial interface put the onus on industrial operators to comply with 'residential level' limits by the time their noise reaches residential areas.
4. The upper levels of new three or four storey houses may overlook industrial areas, whereas before lower houses were screened. In that situation, the upper façade would now become a compliance assessment location. If noise levels exceeding the District Plan limits were received at that upper façade of a new residential dwelling because it had more direct line of sight to Industrial activities, it is not clear how the situation would be resolved.
5. My modelling indicates that a 40-metre buffer zone is a reasonable response to address a scenario where single level dwellings neighbouring an Industrial area were replaced with three or four level dwellings. Within the buffer zone, potential taller dwellings should be reviewed on a case-by-case basis.
6. I therefore support the QM described in the evidence of Ms Brittany Ratka which was drafted based on my review and analysis. I have reviewed the submissions which raised technical acoustics matters in relation to the proposed QM, but do not recommend any changes to the Plan Change (as it was notified) as a result.

Date: 1 November 2023

Jeremy Trevathan