

Further Information Submitted in Response to the ExA's Request – Noise Phenomenon Experienced at Our Property

As requested by the Examining Authority, please find below additional information in relation to the comments I made at Open Floor Hearing 1 concerning the unusual sound transmission phenomenon we experience at our property.

We are not alone in this – other nearby residents have also reported similar experiences.

Specifically, we regularly hear sounds within our home that appear far louder or closer than expected. The most common instance is vehicle activity at the neighbouring poultry farm during the night. These sounds, such as vehicles arriving, engines idling, or grain being pumped into silos, appear to be occurring just outside our home. However, when a window is opened, the sound vanishes entirely, only to return once the window is closed.

After researching and conducting basic tests ourselves, we believe this to be a case of *ground-borne sound* transmission. This is where sound is carried not through the air but via the ground, and then transmitted into the building through its foundations. The external walls may then act as resonators, amplifying the sound internally, much like a speaker.

It is relevant to note that after approximately 30–50 cm, our subsoil consists of pure compacted sand, which, according to our research, facilitates longer-distance sound propagation through the ground compared to other soil types.

I have raised this issue with the applicant's consultation team and technical engineers on several occasions. To date, I am not aware of any investigation being undertaken, nor have I received any follow-up questions or information requests.

Given our existing experience with this issue, we have significant concerns that certain types of equipment proposed as part of the NSIP solar farm may exacerbate the problem. This concern is compounded by the fact that the specific locations and nature of the equipment to be installed remain unclear at this stage.

We respectfully request that this issue be taken seriously and properly assessed before development proceeds.