

A097470 – B H Energy Gap

15th March 2021

Response to third-party comments received from the Environment Agency via Katie Hampton, an Environmental Consultant at Fichtner. The comments we received by Tetra Tech (formerly WYG) on 8th March 2021 regarding the submitted Noise Assessment [ref 784-A097470 dated 31st July 2018].

Tetra Tech Responses in Blue

Environment Agency - Comment 1

The worst affected location is R9 – Manor House. At this location background measurements were not taken over the weekend. In those locations in which weekend values were measured, it was shown that there is a drop in background levels. However, the background measurements from Manor house are very consistent even during the middle of the night. This could be due to some machinery on the glass manufacturer site adjacent to Manor House. If it is the glass manufacturer, and this machinery on the glass manufacturer site operates in the same way from weekend to weekday, then that would be Ok. If this isn't the case, we would need to look into this further.

- *What is the dominant sound source affecting the background sound level at Manor House (throughout the day and night)?*
- *How do the background levels fluctuate from weekend to weekday (currently we only have weekday background levels)?*

Tetra Tech Response 1

Following review of the comments and concerns raised by the Environment Agency, details of the predicted noise levels at Manor House, Clay Lane West (R9) have been extracted from the baseline monitoring information and presented within this response.

Table 4.2 of the report 'Proposed Energy Recovery Facility, Sandall Stones Road, Doncaster - Noise Assessment', dated July 2018, presents the sound sources that were considered dominant at each Short-term (ST) monitoring location. At locations ST7 and ST8 (the two locations closest to R9) one of the dominant noise sources during the day, evening and night-time was identified as being plant noise. During the night-time period the description of dominant noise sources is more specific and states noise from the 'Ardagh Glass Plant' which indicates that plant noise from the Ardagh Glass facility constant and dominant throughout the day, evening and night-time periods at R9.

In Table 4.3 of the report, the results of the baseline noise monitoring are presented. A long-term monitor (LT3) was installed on land opposite Manor House (R9), which collected data between 18:50 hours on Thursday 5th July 2018 and 04:15 hours on Saturday 7th July 2018. The reason for the survey ending at 04:15 hours is most likely battery failure.

Noise levels measured during the weekday and weeknight indicate consistent background L_{A90} sound levels of 50 dB. At least 4 hours of data was collected during the Friday night / Saturday morning period (7th July 00:00 – 04:15), during this time period a background sound level of 50 L_{A90} dB was also measured.

In addition to the above, a check of the site operating hours indicates that this site operates 24 hours a day, 7 days a week. This would also suggest that noise from the site is likely to remain constant throughout the week and weekend. Considering the background noise data collected at LT3, that noise from the Ardagh Glass site is noted as being dominant during the ST measurement periods and the site operating hours, noise egress is expected to be consistent throughout all periods of the week (and weekend) and therefore the background noise levels would remain consistent at R9.

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