

Altman, Rebecca

Subject: FW: F/24/97312 - Land at Providence Hill - proposed care community
Attachments: H4106 - Land Adjoining 4 Brookfield, Providence Hill, Bursledon - Air Quality Assessment - v2.pdf

Hi Rebecca,

Apologies for the delay, our Air Quality consultant has provided the following response as well as the amended Air Quality Assessment attached:

1. We reference the "Use of 2020 and 2021 Monitoring Datasets (2021)" guidance because when we were producing the report, Eastleigh had not made public their data for 2022 or 2023, therefore 2019 was the most recent data with which we could verify (2020 and 2021 data is not to be used, as per the guidance). Eastleigh have since published their 2022 data, a year late, along with the 2023 data.
2. Our use of $14.81 \mu\text{g}/\text{m}^3$ NO_2 as a background concentration is queried, they have cross referenced and believe $19.78 \mu\text{g}/\text{m}^3$ should be used. $19.78 \mu\text{g}/\text{m}^3$ is indeed the correct background NO_2 concentration for the location, however in accordance with TG22 guidance, predicted contributions of NO_x from major road sources are to be removed from the total background NO_2 concentration to avoid "double-counting" (all major roads are included in the modelling). This is very much normal and directed by local authority guidance TG22.
3. It's stated that we discuss EFT v11.0 in detail - there is one typo that references it, which I have corrected to v12.0. It's stated that it is unclear why we used 2019 as the baseline year - see answer 1 above. Again, the council had not published their 2022 or 2023 data when we were conducting the assessment.
4. 2024 should say 2026 here, which I have corrected. However, I have no idea on what basis they think pollutant concentrations have been underestimated, they don't provide any reasoning. All modelling and data-processing has been carried out according to prescribed methodologies.
5. The request for a DMP is a fairly standard planning condition for a development like this.

We notably state in the report "*Although monitored 2020 and 2021 concentrations would be disregarded under IAQM Guidance owing to the influence of the COVID-19 travel restrictions (see **Section 2.9**), data from 2022 or 2023 would potentially be more useful in verifying the model. Eastleigh Borough Council have been contacted to see if more recent data is available.*" We never heard back about the 2022 or 2023 data, but I note that both have been published to the EDC website since we prepared the report.

Many thanks,

JM