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From: Sarah.Gray [REDACTED]
Sent: Monday, July 29, 2024 9:02 AM
To: Richard.Sunter <Richard.Sunter@ashfield.gov.uk>
Subject: v.2022/0629 - Land at Junction of Newark Road, Coxmoor, Sutton in Ashfield

Application for a residential development of up to 300 dwellings.

Thank you for your enquiry regarding cancer incidents in the area. I have reviewed the Lazio study supplied and the investigation report:

Phase 1 Geo-Environmental Desk Study – Low Moor Road, Sutton in Ashfield for Hallam Land Management Ltd by RLRE Ref: P22 070 dated 8th February dated 8th February 2022.

I have the following comments to make:

1. The Coxmoor data shows number of cancers by household, the Lazio study is by person. The population of the Coxmoor study area is not known but will be more than 35. The data for the Coxmoor area was over more than 32 years (1986-2018) and should have included all individuals living in this area over time, not just the people who suffered from cancer so as to be representative of the whole population;
2. According to Cancer Research UK, today, 50% of the adult population can expect a cancer diagnosis in their lifetime;
3. People having a cancer diagnosis in the Coxmoor data set show most of the age group is elderly. This older age group is more likely to develop cancer. Only one household with a cancer diagnosis is under 60 years of age. Therefore, we are not looking at an average cross section of the population;
4. The Lazio study shows there may be a possibility of increased lung cancer so we are not comparing like with like;
5. The Lazio study is a one-off study and, for the science to be reliable, further studies will be required;
6. It should not be assumed that domestic waste in Italy has the same composition and treatment as in the UK. This will have an effect on the generation of H₂S;

7. The Geoenvironmental Desk Study supplied by the developer states that Environment Agency monitoring of ground gas at the Sutton Quarry Landfill shows that ground gas generated does not migrate to the perimeter of this landfill site.
8. The Environmental consultants, RLRE have monitored the development site for H₂S (hydrogen sulphide) and not found it to be present at significant levels. H₂S is produced by the rotting of vegetation and so very small amounts would naturally be present.

I hope you find this information helpful. Public Health investigate data relating to cancer deaths arising from possible hot spots and they have been contacted to see if they are aware of any excess deaths in this area of Coxmoor Road.

Kind regards.

Sarah Gray, MSc, BSc (Hons)
Contaminated Land Officer
Commercial and Environmental Protection
Place and Communities

PLEASE NOTE: I ONLY WORK MONDAYS AND WEDNESDAYS

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