

Engineering works for a slurry pond on agricultural land at Twine Valley Farm, Church Road, Shuttleworth

GR380191;417645

Odour and Noise Assessment

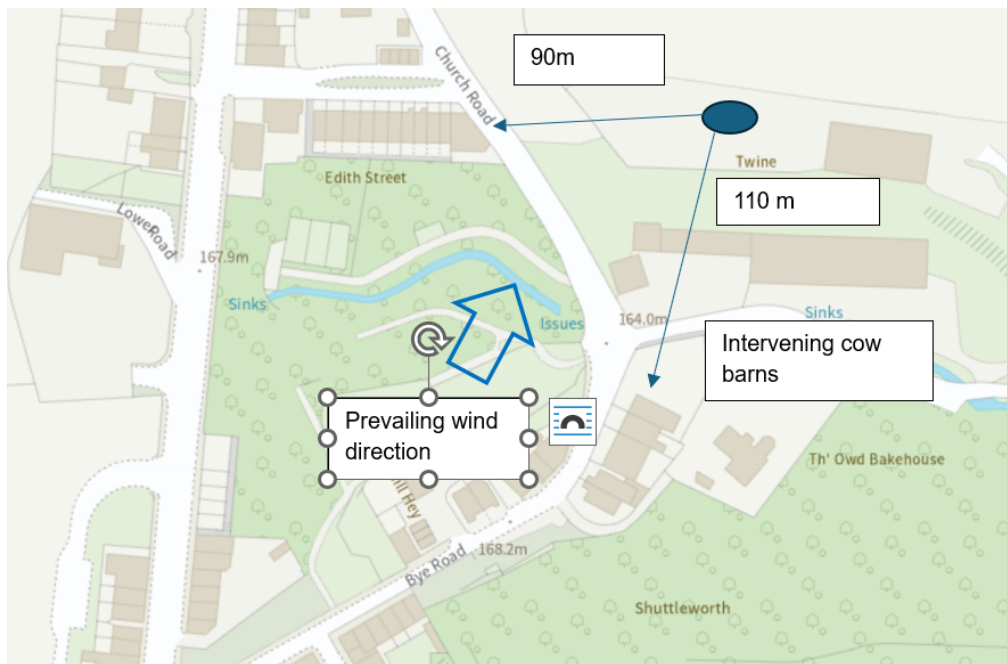
Ref: JB.130225.1.A

Odour

While the pond has been mainly constructed, it is not yet in use for slurry storage. It has an oval, conical shape approximately 4 metres deep with 2-metre-high post and deer netting around its rim. It has a hardcore stone base with a 2mm thick black plastic liner to make the pond impermeable and with approximately 45-degree slopes.

It is common for farms to store slurry on their land, often close to their farmhouses.

In this instance, the proposed lagoon is located in a relatively exposed area above other existing farm buildings with dwellings beyond them to the South, approximately 110 meters away.



The distance to the terrace to the west is approximately 90 metres

In both instances, the prevailing wind is from the Southwest, taking any odours away from dwellings.

On 7 July 2017 permission was granted on appeal for a building for the storage of silage plus a slurry tank on the site (Appeal no. APP/T4210/17/3172551) (LPA ref: 60962).

It is clearly easier to determine the impact of odours where the source already exists, which does not apply in this case. However, a relatively recent case in Hyndburn involving proposed residential development close to large, industrial scale, poultry sheds assessed the impact of the latter when the sheds were being cleaned out and when odours were at their most powerful. The report assessed that a precautionary 100 metres should be kept clear of housing development from the poultry units, a recommendation which became a condition to the housing approval.. A copy of the report is submitted with the current application.

While the proposed slurry pond would be somewhat nearer to some dwellings than 100 metres,(90 metres) the prevailing wind would take any odours away from them. In addition, in the case of the poultry units with its advisory distance of 100 metres, by their greater size, the odour from them when they are cleared out, is likely to have a far greater impact upon residential amenities than would the much smaller scale, proposed slurry pond.

Taking into account the limited size of the slurry pond, the distances to other premises, the prevailing wind direction, the exposed location of the site set above dwellings to the south, and the fact that this is a farming area, there would be unlikely to be any significant adverse impact in terms of odour from it.

Noise

The proposed slurry pond is for storage purposes. There is unlikely to be any significant noise generated by it. Any such noise is likely to be from a pump but there is no reason to believe that any noise from it would be significant, given the distances from dwellings and with intervening farm buildings to the East and South.