

AIR QUALITY ASSESSMENT

As the lagoon will be completely sealed, I did not think this would be required. The digestate will be contained with the HDPE liner 2mm thick and the LLDPE floating cover (1mm thick). These are the industry standard.

We are already spreading digestate onto land near the proposed lagoon, within government guidelines. Whilst I would not claim the digestate to be completely odour free, there is only a slight smell whilst actually applying the product. Currently, the applicator (done by contractors) is generally waiting for product to arrive in tankers, thus lengthening the period of application. Using the lagoon should allow us to apply the digestate much faster, thus reducing any odour. The site of the lagoon and our land are to the North of the village, so the prevailing wind would generally be blowing away from the village.

SURFACE WATER ASSESSMENT

The only watercourse nearby is a shallow open ditch at the roadside of the hedge. I will mark this on the site plan. This drain only takes run-off from the road. Both the bund and the liner should protect against any possible pollution. The lagoon will only be filled to a maximum of 500mm below the top of the bund. There will be inlet and outlet pipes from the lagoon. The outlet pipe will have double valves to protect against any possible leakage. The exact location of the inlet and outlet pipes is not yet certain but will be either on the South or, more likely, the East side of the lagoon.

MINERALS ASSESSMENT

The only mineral believed to be present beneath the site is coal. However, the site lies outside the Coal Authority Licence area (see attachment). This, along with the fact that the UK no longer burns coal in power stations and the Selby coalfield has been shut down, as well as the proposed lagoon being close to the village, which would not be under-mined in any event, mean that mining beneath the site is extremely unlikely.