

| Kirklees Comments: Condition 10b (WK/202336482) | Applicant Response |
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| <p>Having read the document, we request clarification on the proposals for gas protection measures for the attenuation tank and associated drainage pipework proposals as the document appears contradictory.</p> | <p>The attenuation tank will be inaccessible once built, as it will be constructed from small plastic crate units. The associated surface water drainage pipes and inspection chambers are unlikely to be accessed regularly by maintenance workers and if access is required, it would be undertaken under confined space control measures in accordance with the Confined Space Regulations 1997 which would require gas and vapour monitoring by a suitably trained/qualified person as part of a safe system of work. It is unlikely ground/mine gas would accumulate in the attenuation tank as the plastic crate units will be wrapped in an impermeable geomembrane, which will be double welded, the connecting pipework will be sealed and the tank will be connected to a vent pipe. In addition, at the concentrations and flow rates recorded on site, there is a low likelihood of methane being able to accumulate at concentrations sufficient to pose an explosive hazard that would damage the tank/drainage system. As such, gas mitigation of the tank/drainage system will not be considered further in this report.</p> |
| <p>The report proposes probing and grouting works prior to construction to reduce the likelihood of mine gas ingress.</p> | <p>Please note the primary purpose of the probe/grout works is to mitigate the risk posed to new structures from instability related to coal mine voids/workings, they not being done to reduce gas migration.</p> |