Cyfoeth Naturiol Cymru
Natural Resources Wales

Ein cyf/Our ref: CAS-279255-P9Z5
Eich cyf/Your ref: P/2025/0302

Wrexham County Borough Council
The Guildhall
Wrexham
LL11 1AY

Dyddiad/Date: 30 April 2025

Annwyl Syr/Madam/Dear Sir/Madam,

BWRIAD/PROPOSAL: ADEILADU STORFA SLYRI / CONSTRUCTION OF SLURRY STORE
LLEOLIAD/LOCATION: PORTHWGAN, CROSS LANES, WREXHAM, LL13 0TP

Thank you for consulting Cyfoeth Naturiol Cymru (CNC)/Natural Resources Wales (NRW) about the above, which we received on 22 April 2025.

We have no objection to the proposed development as submitted and provide the following advice.

Flood Risk

The planning application proposes less vulnerable development (a slurry store). The Flood Map for Planning identifies the application site to be at risk of flooding and falls into Flood Zone 2 and 3 Rivers.

We refer you to Section 10 of Technical Advice Note 15: Development, flooding and coastal erosion, dated 2025 (TAN15) for advice on how you should consider this application in line with current planning policy. Our role is to provide you with detailed advice on the findings and conclusions of the FCA in relation to flooding from rivers and/or the sea, including the impact on flooding elsewhere. For advice on flood risk from surface water and or small watercourses you should consult with your Lead Local Flood Authority. Therefore, we have reviewed the FCA undertaken by Waterco, dated 03/03/2025, reference 16236-FCA-01. Our advice to you is that the FCA satisfactorily demonstrates that the risks and consequences of flooding are manageable to an acceptable level. Therefore, we have no objection to the application.

The site is identified at risk of fluvial flooding with a flood depth of 820mm in the southernmost extent during the defended 1% AEP plus 50% CC event. The slurry lagoon will be a raised structure with a crest level approximately 4.1m above ground levels in the

southern extent of the site. Given the raised nature of the structure and that the slurry lagoon will be watertight, floodwater will not reach a sufficient height to enter the lagoon.

The extent of the slurry store in the flood extent is minimal (70m² during the 0.1% AEP event) and any flood storage lost would be negligible in context of the wider flood extent. Based on an average flood depth of 0.5m during the 0.1% AEP event, a potential flood storage volume of 35m³ could be lost as a result of the development.

Land between the site and the River Dee comprises agricultural land. The land between the site and River Dee within the flood extent covers an area of approximately 200,000m². Distributing the displaced flood storage of 35m³ over the 200,000m² flood extent (between the site and the River Dee) would result in a negligible increase in flood levels across the wider floodplain of 0.175mm. The proposed development would therefore have a negligible impact on flood risk elsewhere.

Pollution of Controlled Waters

We understand this proposal is to improve the existing slurry management system on the farm to conform with the capacity requirements of The Water Resources (Control of Agricultural Pollution) (Wales) Regulations 2021 (CoAPR).

Provided the structure is located, designed and built by a suitably qualified engineer to comply with the construction and capacity requirements of the CoAPR, we have no objection to the proposal.

Under CoAPR it is a requirement to notify NRW of new or substantially altered slurry stores at least 14 days before construction begins. Further information on what we require is available on our website at Natural Resources Wales / Silage and slurry storage.

Further information is available at Natural Resources Wales / How to use manures and slurries appropriately and the Code of Good Agricultural Practice guidance.

Where there is no change to the existing background ammonia emissions and the proposal reduces the risk of pollution, we do not require an atmospheric ammonia impact screening report in relation to the protected sites. This is in line with our published advice which can be viewed on our website Natural Resources Wales / Ammonia assessments.

We advise that the applicant follow the Code of Good Agricultural Practice guidance on reducing ammonia emissions from agriculture in Wales published in 2019 which can be found here.

Other Matters

Our comments above only relate specifically to matters included on our checklist, *Development Planning Advisory Service: Consultation Topics* (September 2018), which is published on our website. We have not considered potential effects on other matters and do not rule out the potential for the proposed development to affect other interests.

We advise the applicant that, in addition to planning permission, it is their responsibility to ensure they secure all other permits/consents/licences relevant to their development. Please refer to our website for further details.

If you have any queries on the above, please do not hesitate to contact us.

Yn gywir / Yours faithfully,

Rhys Jones
Cynghorydd - Cynllunio Datblygu/Advisor - Development Planning
Cyfoeth Naturiol Cymru/Natural Resources Wales

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Croesewir gohebiaeth yn Gymraeg a byddwn yn ymateb yn Gymraeg, heb i hynny arwain at oedi./Correspondence in Welsh is welcomed, and we will respond in Welsh without it leading to a delay.