

ANWICK SAYS

NO

TO BIOGAS

PLANT

A Typical Biogas Plant

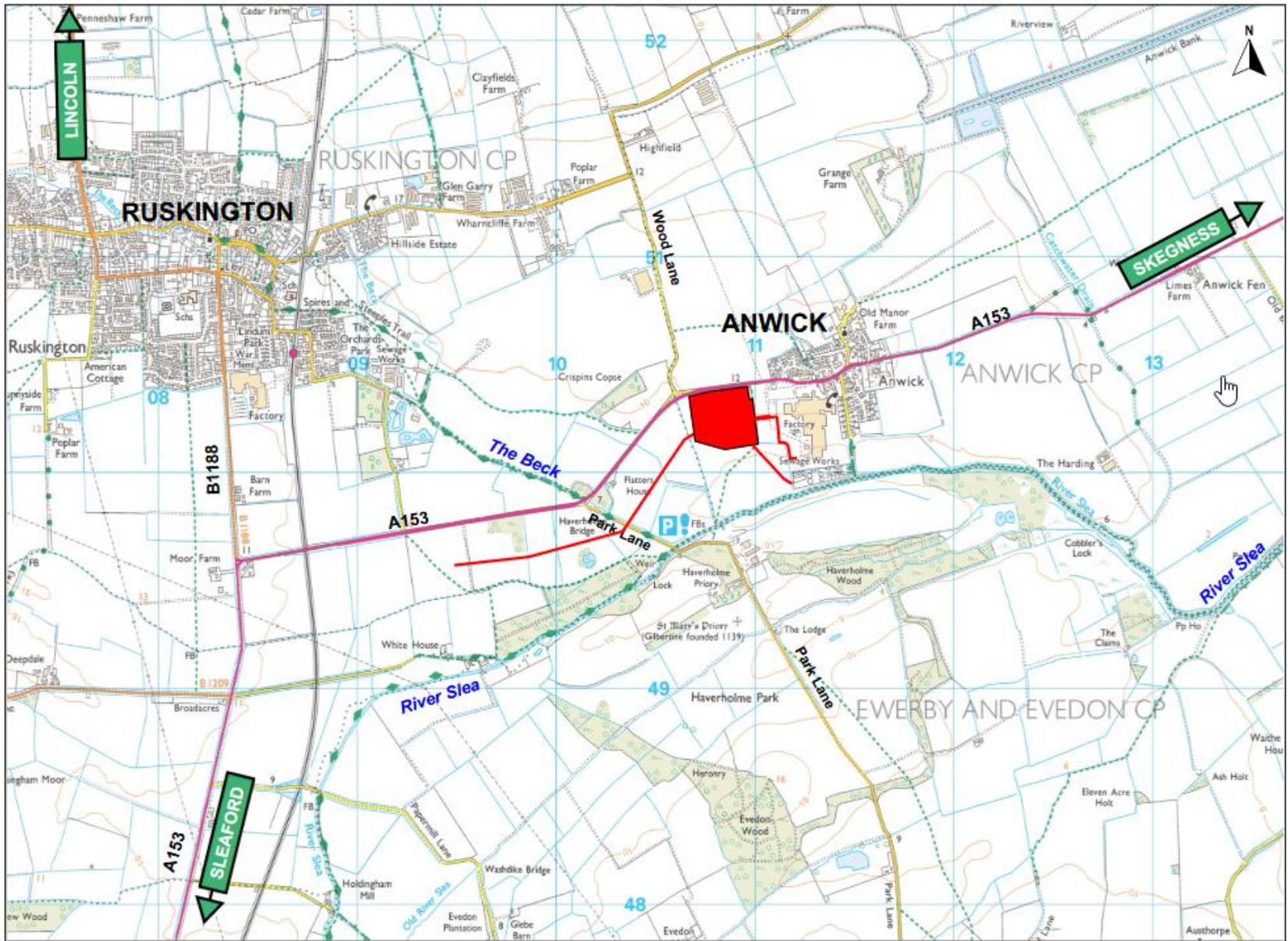
There will be 8 of these 25m in height





Proposed Site Location

Site Location and Context to Wider Area



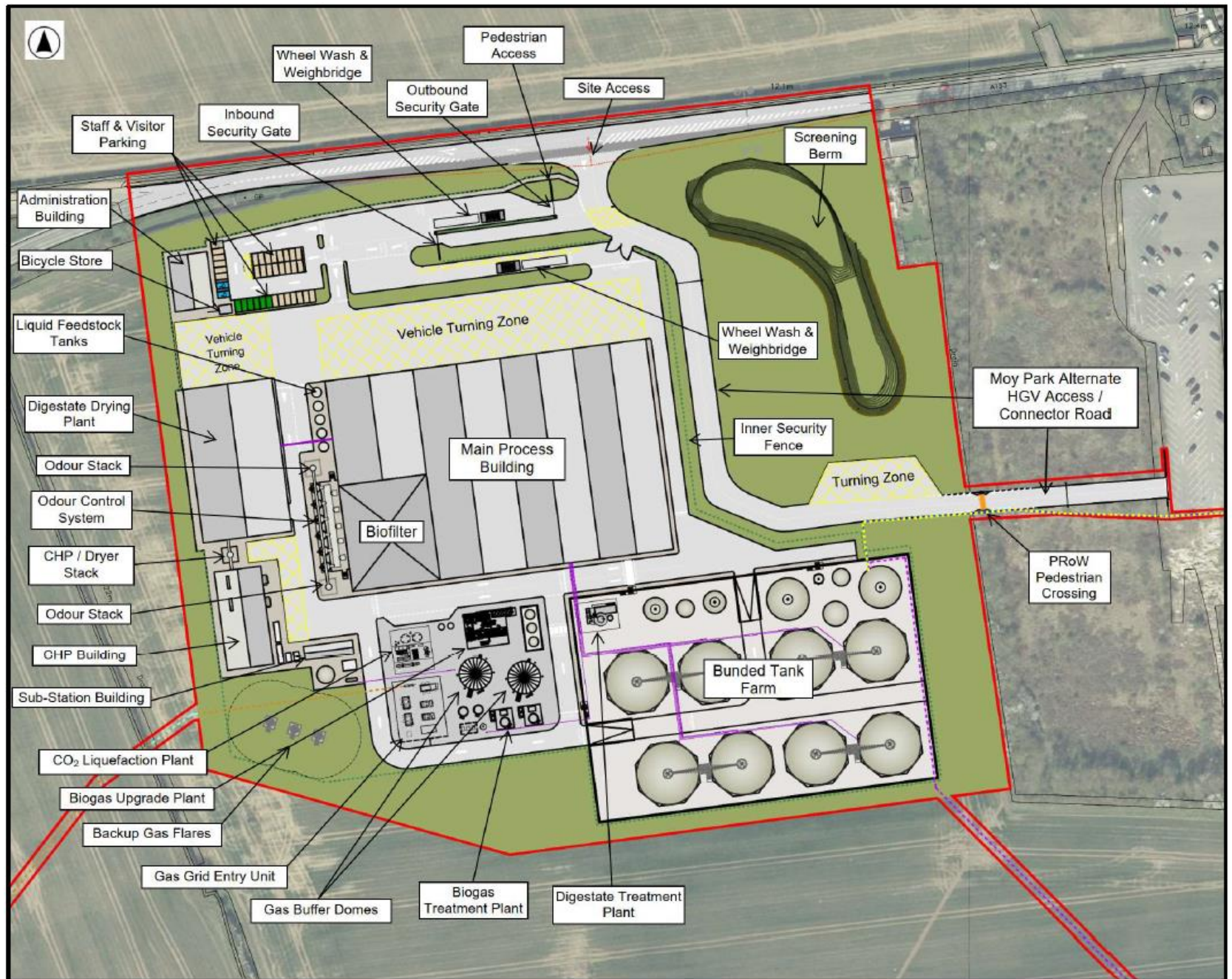


Figure 2 – Proposed Development Site Layout



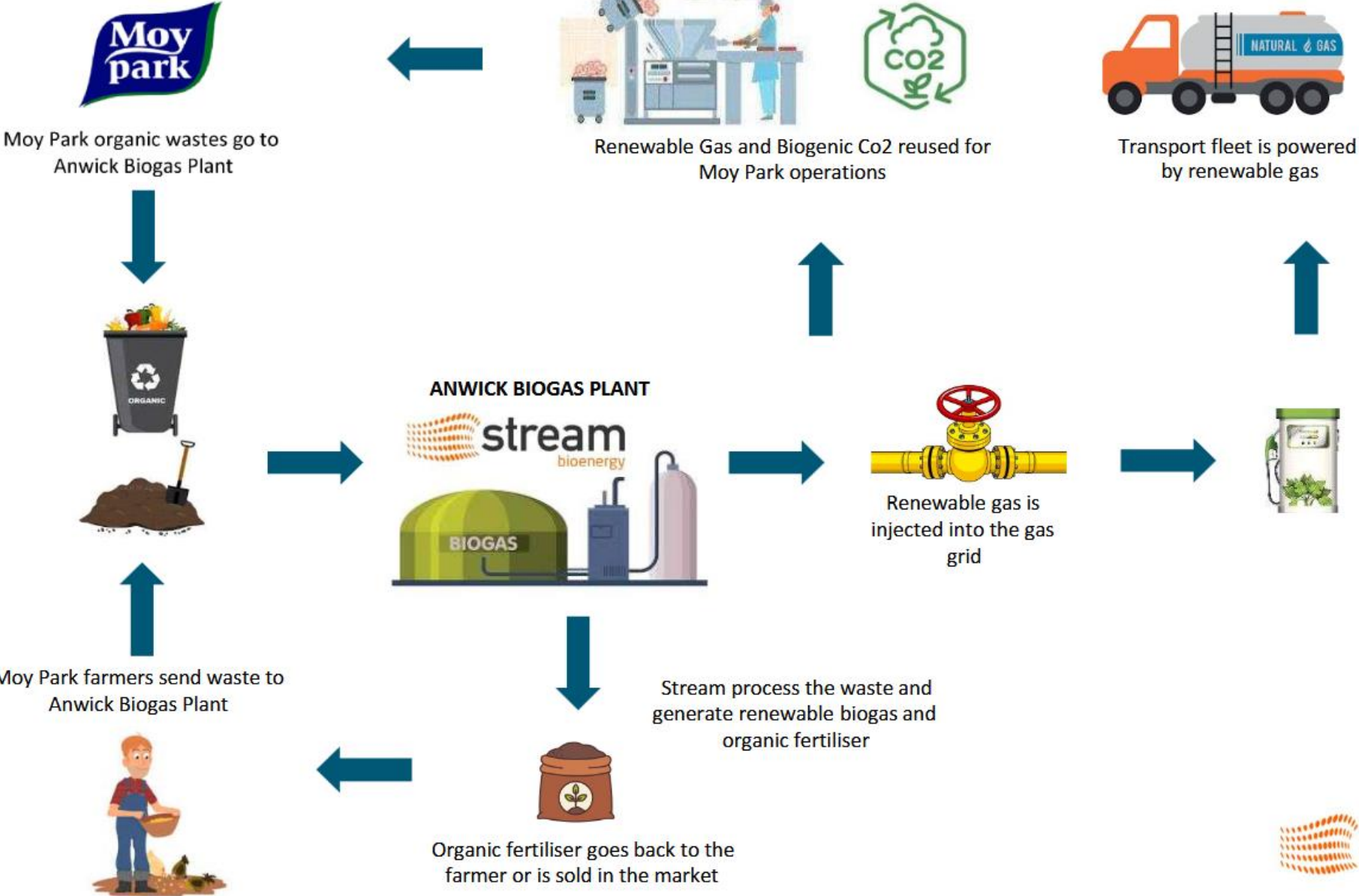
The proposed height of the digesters




5ft 2 tall person

Hemswell Biogas, Lincolnshire

Stream Bioenergy's Circular Economy Model



The claim: biogas plants don't smell that bad...

 News ▶ North East News ▶ Environment

Investigation launched over 'foul smell' from Tyneside waste plant after MP's complaint

Jarrow MP Kate Osborne complained that residents were being forced to stay indoors because of a stench from the Wardley

“Unpleasant smells” from Malaby Biogas plant concern locals

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 News ▶ Somerset News ▶ Keynsham

Fear 'putrid and vile' smell will be made worse by new biogas plant plans

Residents say the odour makes them feel 'physically sick'

[England](#) | [Local News](#) | [Tees](#)

'Rotten egg' smell continues despite assurances

The claim: biogas plants don't explode...



Huge fireball erupts in Oxford after lightning strikes biogas plant causing blast

The skies above the city were lit up orange as the ignition could be seen for miles around.

By **CHARLES HARRISON**, News Reporter

21:28, Mon, Oct 2, 2023 | UPDATED: 21:59, Mon, Oct 2, 2023

The Avonmouth explosion was horrific. But it wasn't unprecedented.

The business of recycling sewage into fertiliser, and the wider wastewater treatment industry, have been chequered by explosions and industrial accidents

The claim: biogas plants don't pose any risks to residents living near by

AIR POLLUTION

IMPACT: Inhalation of gases like methane (CH₄), hydrogen sulfide (H₂S), and ammonia (NH₃) can cause breathing difficulties, headaches, dizziness, nausea, and long-term respiratory issues.

HIGH RISK GROUPS: Children, the elderly, and people with asthma or lung conditions

ODOUR NUISANCE

•**Impact:** Persistent foul smells from decomposing waste and gas emissions can cause nausea, stress, and reduced quality of life.

Psychological Effects: Can lead to anxiety, sleep disturbances, and decreased property values.

Explosion & Fire Hazards

- **Impact:** Methane is highly flammable, and leaks can cause fires or explosions, putting residents at risk of burns, property damage, and even fatalities.
- **Emergency Concerns:** Nearby homes and infrastructure may be affected in case of an accident.

Water Contamination

- **Impact:** Leakage of digestate, heavy metals, and chemicals can seep into groundwater or local water sources, leading to unsafe drinking water.
- **Health Effects:** Consumption of contaminated water can cause gastrointestinal diseases, infections, and long-term health complications.

Health Effects from Gas Exposure

- **Impact:** Gases can cause eye irritation, respiratory issues, skin problems, and neurological symptoms (e.g., confusion, dizziness).
- **Long-Term Risks:** Chronic exposure may increase risks of lung disease and other severe health conditions.

Increased Pests

- **Impact:** Biogas plants attract flies, rodents, and insects that can spread diseases like leptospirosis, salmonella, and respiratory infections.
- **Hygiene Issues:** Increased pest populations can affect homes and local food sources.

Noise Pollution

- **Impact:** Continuous operation of machinery, trucks, and pumps can cause stress, sleep disturbances, and hearing problems over time.
- **Community Concerns:** Reduced overall well-being and increased irritability among residents.

Traffic & Safety Concerns

- **Impact:** Increased movement of heavy trucks transporting feedstock and digestate can lead to traffic congestion, accidents, and road wear.
- **Road Safety:** Increased risk of accidents to access village amenities.

What does this mean for Anwick?

High Court ruling declares farming manure as 'waste' in a major victory for River Action in its fight against industrial-scale poultry production in the Wye Valley.

The landmark court ruling declares that chicken litter is 'waste' and exposes the failure of the regulatory regime that was set up to protect the environment.

Planning Considerations for AD Plants

- Hazards associated with AD Plants
- Lincolnshire County Council Minerals & Waste Plan (2016 version)
- Government Statutory Guidance documents: e.g. SR2021 No.6 and T25
- Central Lincolnshire Local Plan policy document
- River Wye Judgement
- Environmental Permitting Regulations (via the EA).

How can I object?

To object to a **biogas plant planning application** with Lincolnshire County Council, you need to focus on **valid planning concerns** rather than personal objections.

Here are some, **planning-based objections** you can raise:

1. Traffic and Road Safety

- Increased **HGV movements** delivering feedstock and transporting digestate could cause an **increase in congestion and road wear**.
- **Safety risks** for pedestrians, cyclists, the elderly and schoolchildren due to large vehicles using the roads.
- **Damage to infrastructure**, especially if roads are unsuitable for heavy traffic (potholes already an issue).
- **Planning Ground for Objection:** The development may negatively impact road safety and traffic flow.

2. Impact on the Appearance of the Area

- Industrial structures, storage tanks, and chimneys **will not blend** with the local rural and residential landscape.
- The development could **harm the character of the countryside** and nearby heritage sites.
- **Planning Ground for Objection:** Over industrialisation of the village.
- The footprint of the commercial sites is larger than the residential area.
- The planting of trees and hedgerows will take decades to screen the biogas site.

3. Noise and Disturbance

- Noise from **machinery, gas flaring, and vehicle movements** may disrupt residents, especially in quiet rural areas.
- **24/7 operations** could lead to **constant noise pollution** and sleep disturbances.
- **Planning Ground for Objection:** The plant may cause excessive noise, affecting residential amenity.

4. Odour and Air Pollution

- **Strong, unpleasant smells** from decomposing waste and digestate storage could affect quality of life.
- Emissions of **methane (CH₄), ammonia (NH₃), and hydrogen sulfide (H₂S)** pose health risks.
- **Planning Ground for Objection:** Odors and air pollution could harm public health and residential amenity.

5. Water Contamination and Flood Risk

- **Risk of digestate leaks** contaminating groundwater and local water sources.
- Increased **flooding risk** if the plant is near watercourses or flood-prone areas.
- **Planning Ground for Objection:** The plant could pollute water sources or worsen flooding.
- Risk of flooding to properties and the community centre.

6. Fire and Explosion Risks

- Methane is **highly flammable**, and leaks could cause **fire or explosion hazards**.
- Proximity to **homes, farms, or schools** increases risk to public safety.
- **Planning Ground for Objection:** The site poses an **unacceptable safety risk** to the community.

7. Loss of Residential Amenity

- The combined effects of **odor, noise, traffic, and pollution** can make the area **less desirable to live in**.
- The plant may **devalue properties**, making it harder for residents to sell their homes.
- **Planning Ground for Objection:** The development would **reduce the quality of life for local residents**.

Any questions?