Document Ref: C2 2B

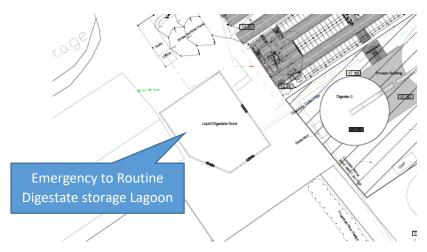
Variation Request EPR/BB3633DS

Activity requiring changes – R13 Storage of waste pending any of the operations numbered R1 to R12.

## Change 1

Existing permit limit of activity states "the use of the existing lagoon for digestate storage in an emergency situation" only.

The proposed update is to upgrade the liquid digestate lagoon from Emergency Storage only to routine and ongoing storage being part of the routine process. For reference the lagoon is identified in the plan below.



Digestate produced within the two digester tanks will be pumped into the lagoon for storage awaiting disposal. Any potential risk of stored waste entering the environment are to be mitigated by using prefabricated concrete panels with a manufacturer's guarantee and the installation being carried out using Milbury Systems design criteria, support and incorporating membrane technology and leak detection into the design.

The management system identifies leak detection checks carried out on a weekly basis with Ammonia testing carried out to check liquid content.

Liquid Digestate Lagoon has a capacity of 1567m3 not including freeboard.

## Change 2

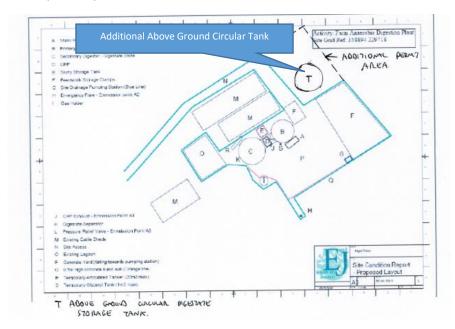
Installation of additional digestate storage to comply with Environmental Permit, Environment Agency and Nitrate Vulnerable Zones additional 25% additional winter storage requirement.

Installation of second tank to occur to the north east of the existing site with an additional area to added to the Permit area. Tank to include earth bunding to the north and ridge and furrow in adjoining farmland to mitigate water movement into the bunded area.

Tank footprint to drain in the event of tank failure into the existing permitted area site bunding. Above ground circular digestate storage tank to included leak detection beneath the base and

around the perimeter to ensure tank integrity can be monitored and any leaks will be directed towards the existing bunded area.

Tank location as per the plan below.



Tank was being used on another site for temporary storage. The tank was dissembled and Bradshaws Installations carried out the assessment and installation of the tank. They assessed it for compliance, site works were completed according to their specifications and installation done by their staff to ensure fit for purpose once installed.

## Change 3

Addition of additional CHP to be used when existing CHP shut down for maintenance or breakdown.

