Larkshall

Monitoring and Reporting of Emissions (Air, Water, Sewer, and Waste)

The installation carries out the following emissions monitoring:

- Flue gas analysis on the gas fired steam boiler
- Annual monitoring of Particulate matter from cyclones.

Records of all waste removals from site are also retained. The table below demonstrates compliance with BAT requirements for the Food, Drink and Milk Industries Sector:

Table 1

Ref	Requirement	Comment
1	Identify process variables that may affect the environment and monitor as appropriate	Compliant
2	Assess whether monitoring the capacity parameters: • Raw Material tanks • Foul Water Storage tanks Would these enable you to minimise your environmental impact of reduce risk of an accident.	See Below
3	Maintain an accurate inventory of inputs and outputs at all stages of the process from reception of raw materials. Select raw and auxiliary materials which minimise the generation of solid waste and harmful emissions to air and water.	C&D Larkshall verifies all deliveries to ensure raw materials are sourced from reputable suppliers. Performs regular testing to ensure they meet quality and safety criteria. Traceability system to track origin by prioritizing raw materials are responsibly and ethically produced. Established appropriate storage and handling practices

		to maintain the quality and integrity of raw material.
4	• Refrigerant – Quantity of refrigerant and oil added to or removed from the system	Each charge or drain
5	• Detergent and disinfectant – You should monitor the consumption of detergent and disinfectant to check that correct dilutions and application procedures are being followed	Weekly
6	• Minimisation of Air Emissions	Annual boiler monitoring. PM monitoring of cyclones.
7	• Energy consumption – Energy consumption across the abattoir and at individual points of use in accordance with the energy plan	Electricity – continuous Gas – by utility bill
8	• Water use – Fresh water use across the activities and at individual points of use should be monitored as part of the water efficiency plan	Meter reading
9	• Levels in the Raw Materials tanks	Inventory Management: Monitored based on throughput rate and days since emptied with significant additional capacity retained.
10	• Levels in the effluent treatment plant tanks – The risk of accidents can be reduced by installing a high-level alarm on the Effluent plan tank linked to an automatic cut-off.	Monitored based on throughput rate and days since emptied with significant additional capacity retained. The effluent tank is emptied weekly, and procedure in place for emergency pickup if required.

Emission Monitoring

Breckland Council permit for C&D Larkshall Permit does not state any conditions for effluent creation in the facility at Larkshall. C&D Larkshall does not have an emission point to sewer. Effluent from the facility processes is stored on site and collected by a licence haulier (Whites Recycling). The levels in these tanks are continually monitored and emptied when the capacity reaches 80%.

C&D Larkshall also does not have an emission to water emission point. As the facility is within a rented complex, any stormwater flows to areas controlled by the landlord Abrey Farms.

Breckland Council permit for C&D Larkshall Permit details emission controls and monitoring in Section 3.0 Conditions.

The permit states that monitoring frequency of specific locations parameters in regards to Particulate Matter as follows:

Parameter	Quantity	Source
Particulate Matter	20 mg/m^3	Extruder
Particulate Matter	20 mg/m^3	Dryer
Particulate Matter	20 mg/m^3	Cooler
Particulate Matter	10 mg/m^3	Grinder
Particulate Matter	10 mg/m^3	Grinder

These parameters are continuously monitored indicatively, and the results recorded. Emissions from the extruder is fitted with an alarm that is audible and visible to relevant staff.

There is 1 boiler on-site (A1) producing emissions to the atmosphere through the boiler stacks. There are no specific controls imposed upon emissions to air for the boiler.