

Point Source emissions.

Emission to Air

Below references the table from the current permit – S3.1 point source emissions to air – emission limits and monitoring requirements.

There will be an addition to the table – emission point A6 (see site layout plan for location). This emission point is from the stack of the Biogas boiler that has been installed and we are varying the permit to operate when the CHP plant is offline due to servicing and maintenance.

Monitoring for emission Point A6 – Biogas Boiler to be agreed with NRW as part of the variation.

Table S3.1 Point source emissions to air – emission limits and monitoring requirements

Emission point ref. & location	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A1 [Point A1 on site plan in Schedule 7]	Bio Filter Outlets	No parameter set	No limit set	-	-	-
A2 [Point A2 on site plan in Schedule 7]	CHP Engine Stack (Note1)	NO _x	500mg/m ³	Hourly Mean	Annual	BS EN 14792
		SO ₂	350mg/m ³			BS EN 14791
		PM ₁₀	No limit set			BS EN 13284
		Total VOC's	1000mg/m ³			BS EN 12619 or 13526 depending on concentration
		CO	1400mg/m ³			BS EN 15058
A3 [Point A3 on site plan in schedule 7]	Fermenter 1 Pressure Relief Valve	No parameter set	No limit set	-	-	-
A4 [Point A4 on site plan in schedule 7]	Fermenter 2 Pressure Relief Valve	No parameter set	No limit set	-	-	-
A5 [Point A5 on site plan in schedule 7]	Auxiliary Flare Stack (Note 2)	NO _x	150 mg/m ³	Hourly Mean	Annually	BS EN 14792
		CO	50 mg/m ³			BS EN 15058
		Total VOC's	10 mg/m ³			BS EN 12619 or 13526 depending on concentration

Note 1: These limits are based on normal operating conditions and load temperature 0°C (273K); 101.3kPa and oxygen: 5 per cent (dry gas). The measurement uncertainty specified in LFTGN08 v2 2010 shall apply

Note 2: Monitoring to be undertaken in the event the emergency flare has been operational for more than 10 per cent of a year (876 hours). Record of operating hours to be submitted to NRW annually

Emissions to sewer – surface water and foul

Below references the table from the current permit – S3.2 point source emissions to sewer and monitoring requirements.

Table S3.2 Point Source emissions to sewer, effluent treatment plant or other transfers off-site emission limits and monitoring requirements

Emission point ref. & location	Source	Parameter	Limit (incl. unit)	Reference Period	Monitoring frequency	Monitoring standard or method
Surface water public sewers within Martin Road	Clean, uncontaminated surface water collected in bund sump and storm water inspection chambers	Inspection for oil and grease	None observed	N/a	Monthly	-
		Ammoniacal Nitrogen (mg/l)	No Limit	Spot Sample	Quarterly	BS EN ISO 17732
Foul sewer within Martin Road	Foul water	Flow	No limit set	-	-	-

This table is incorrect, and we request the table is updated to reflect the two emission points to sewer and the location of the points on site.

We have referenced the emission points to sewer as S1 and S2 (please see site layout plan)

- **S1 – emission point to surface water sewer** – the clean surface water from the sites bunded area is diverted to a rainwater storage tank, any overflow from the bunded area discharges to DCWW surface water sewer.
- **S2 – emission point to foul sewer** – washdown/cleaning water from the food reception hall and spent water from the odour control (biofilter) unit is utilised within the ‘front end’ process, any overflow is discharged to DCWW foul sewer under a trade effluent consent.

Please see table below detailing the corrected and current emission points to sewer -

Emission point reference	Source	Parameter	Limit	Reference period	Monitoring frequency	Monitoring standard
S1 (point S1 on site plan)	Clean uncontaminated surface water collected in bund sump and storm water inspection chambers	Inspection for oil and grease	None observed	N/A	monthly	-
		Ammoniacal Nitrogen (mg)	No limit	Spot sample	quarterly	BS EN ISO 17732
S2 (point S2 on site plan)	Collection/overflow Pit in food hall	-	-	Spot sample	-	-

The discharge from emission point S2 to foul sewer is under a trade effluent consent from Dwr Cymru/Welsh Water (DCWW). The discharge is overflow effluent consisting of spent recirculation water from the odour control unit (OCU/Biofilter), washdown from the food hall and domestic water from a hand washing station. During operation the effluent generated is captured and stored in the dilution tank and used in the process for adding moisture to the waste for treatment. Therefore, the discharge at S2 not a continuous discharge, mainly occurs intermittently on the weekend and in low volume. Due to the intermittent nature of the discharge, it is impractical to install a flow meter and DCWW have not requested the site to do so. DCWW monitor the discharge from S2 approximately 6 monthly for the parameters detailed in the trade effluent consent.