

Point Source Emissions

SEE ALSO EMISSION POINT PLAN (K499.2~09~1202)

Table 1: All release points for point source emissions on site.

Reference	Source	Location	Descriptor	Receptor
A1	Boiler Stack	Boiler House	Combustion Gas	Air
A2	Boilers Stack	Boiler House	Combustion Gas	Air
A3- A9	CO2 Emergency Relief Vent (s)		Emergency Release Valve	Air
A10-A15	Steam Safety Valve(s)	Various	Steam	Air
A16-A26	Compressed Air Safety Valve(s)	Various	Compressed Air	Air
A27	Generator	New Tank Farm	Combustion Gas	Air
A28-A29	Main tank farm and new tank farm Emergency relief vents	Main tank farm and new tank farm	Displaced Air on filling/emptying.	Air
A30	CHP at AD Plant	Waste Water Plant	Combustion Gases	Air
A31	Pressure and Vacuum Relief Valve (PVRV) on AD plant	Waste Water Plant	Biogas emergency release	Air
W1	Treated Effluent	Preston Brook	Treated Effluent from on site treatment works	Water
SW1	Surface Water Release point	Watercourse	Uncontaminated Surface Water	Water
SW2	Surface Water Release point	Surface Water Release point	Uncontaminated Surface Water	Water

Table 2 covers the listed information required as part of Section 2 of Application Form B3 Emissions and releases

Table 2: Application Form B3 Section 2 supplementary details.

Installation Name	The Bounds			
Point source emissions to air				
Emission point ref and location	Source	Parameter	Quantity	Unit
A1	Boiler Stack	NOx	146	mg/m ³
		SOx	34.5	mg/m ³
		CO		mg/m ³
		Particulate Matter		mg/m ³
A2	Boilers Stack	NOx	105.7	mg/m ³
		SOx	21	mg/m ³
		CO		mg/m ³
		Particulate Matter		mg/m ³
A3- A9	CO2 Emergency Relief Vent (s)	CO2	Emergency event only	
A27	Generator	Combustion Gases from Diesel Combustion	Emergency use only	
A28-A29	Main tank farm and new tank farm Emergency relief vents	CO2	Emergency event only	
A30	CHP at AD Plant	Combustion Gases from Biogas combustion		
A31	PVRV on AD plant	Biogas		

Table 3: Application Form B3 Section 2 supplementary details-releases to water.

Installation Name	The Bounds			
Point source emissions to water (other than sewer)				
Emission point ref and location	Source	Parameter	Quantity	Unit
W1	Treated Effluent from on site Waste Water Treatment Plant	COD		M³/day
		TSS		M³/day
		Total Nitrogen		M³/day
		Total Phosphorus		M³/day
		BOD		M³/day
SW1	Clean, uncontaminated surface water only	No visible contamination	Zero	Visual check
SW2				