

Site: Silent Valley

Permit: ZP3535SQ

Reporting period: 1st January 2021 - 1st January 2022

Test date: 8 April 2021.

Engine Emission Data

Engine A1 (J316 - 560 kWe capacity Storm)	Species	Method description	Measurement uncertainty (+ or - mg/Nm3)	Average measured emission concentration (mg/Nm3)	LFTGN08 overall uncertainty (+ or - %)	Maximum emission including uncertainty (mg/Nm3)	Minimum emission including uncertainty (mg/Nm3)	Permit emission standard (mg/Nm3)
	NOx	Chemiluminescence BS EN 14792	na	see note 4	30	na	na	500
	CO	IR BS EN 15058	na	see note 4	20	na	na	1,400
	TVOC	FID BS EN 12619	na	see note 4	40	na	na	1,000

Engine A2 (J320)	Species	Method description	Measurement uncertainty (+ or - mg/Nm3)	Average measured emission concentration (mg/Nm3)	LFTGN08 overall uncertainty (+ or - %)	Maximum emission including uncertainty (mg/Nm3)	Minimum emission including uncertainty (mg/Nm3)	Permit emission standard (mg/Nm3)
	NOx	Chemiluminescence BS EN 14792	17	549	30	714	384	650
	CO	IR BS EN 15058	18	1105	20	1326	884	1,500
	TVOC	FID BS EN 12619	37	848	40	1187	509	1,750

Note 1 All data is expressed as mg/Nm3 at 273K, 101.3kPa, dry gas, corrected to an oxygen content of 5%. Average measured emissions concentration is calculated from data collected over a one hour period.

Note 2 The monitoring and reporting were carried out by Socotec, an MCERTS accredited contractor.

Note 3 Measurement uncertainty is shown. Overall site uncertainty could not be deduced from available data - maximum uncertainty values set out in LFTGN08 have therefore been applied.

Note 4 Engine A1 was taken out of service in September 2015. If it is brought back into service, it will be emissions tested in line with procedures.

Note 5 Exhaust missions from engine A2 were compliant with the standard.

Note 6 Flare ran for <10% of the time therefore testing was required (see separate tab)