

FORM AIR 13: Periodic monitoring of non-LCP

Permit Number: EPR/YP3930EX

Operator: Valero Energy Ltd.

Installation Location: Pembroke Refinery, Pembroke, SA71 5SJ

Parameters: - sulphur dioxide, oxides of nitrogen, dust (particulate matter) and carbon monoxide - [by discontinuous measurement]

Release point	Parameter	Date and time of sampling	Flue gas flow rate (Nm ³ /hour)	Fuel or fuels used during sampling period. [include S content(s), mass flow rate(s)]	Measured concentration (mg/Nm ³)	Sampling method used (refer to standards)
A11	Sulphur dioxide	25/01/22 10:10 - 11:10	70154	Fuel Gas. Flow Rate = 3.48 te/hr, H2S = 0.5 ppm	11	M21
	Oxides of nitrogen	25/01/22 10:10 - 11:10	70154	Fuel Gas. Flow Rate = 3.48 te/hr, H2S = 0.5 ppm	226	BS EN 14792
	Particulate (PM ₁₀)	25/01/22 10:10 - 11:14	70154	Fuel Gas. Flow Rate = 3.48 te/hr, H2S = 0.5 ppm	5	BS EN 13284-1
	Carbon monoxide	25/01/22 10:10 - 11:10	70154	Fuel Gas. Flow Rate = 3.48 te/hr, H2S = 0.5 ppm	4	BS EN 15058
A13	Sulphur dioxide	25/01/22 12:35 - 13:35	29871	Fuel Gas. Flow Rate = 1.02 te/hr, H1S = 0.5 ppm	15	M21
	Oxides of nitrogen	25/01/22 12:35 - 13:35	29871	Fuel Gas. Flow Rate = 1.02 te/hr, H1S = 0.5 ppm	199	BS EN 14792
	Particulate (PM ₁₀)	25/01/22 12:35 - 13:41	29871	Fuel Gas. Flow Rate = 1.02 te/hr, H1S = 0.5 ppm	7	BS EN 13284-1
	Carbon monoxide	25/01/22 12:35 - 13:35	29871	Fuel Gas. Flow Rate = 1.02 te/hr, H1S = 0.5 ppm	61	BS EN 15058
A19	Oxides of nitrogen	27/01/22 11:48 - 12:48	37398	Fuel Gas. Flow Rate = 2.76 te/hr, H1S = 0.5 ppm	189	BS EN 14792
	Carbon monoxide	27/01/22 11:48 - 12:48	37398	Fuel Gas. Flow Rate = 2.76 te/hr, H1S = 0.5 ppm	5	BS EN 15058

Signed : SLGregory

Name : Sabrina Gregory

On behalf of the Operator Valero Energy Ltd.

Date : 19/01/2023