

Report for the Periodic Monitoring of Emissions to Atmosphere

Saint Gobain Professional Services UK & Ireland

A2 - Fuel Handling

Permit No: EPR/A2/1
Installation: Calders & Grandidge
Monitoring Dates: 28th September 2020
Site Address: 194 London Road, Boston, PE21 7HJ

Report Number: ES-0226 Version: 1 Visit: 1 in 2020
Date of Report: 19th October 2020

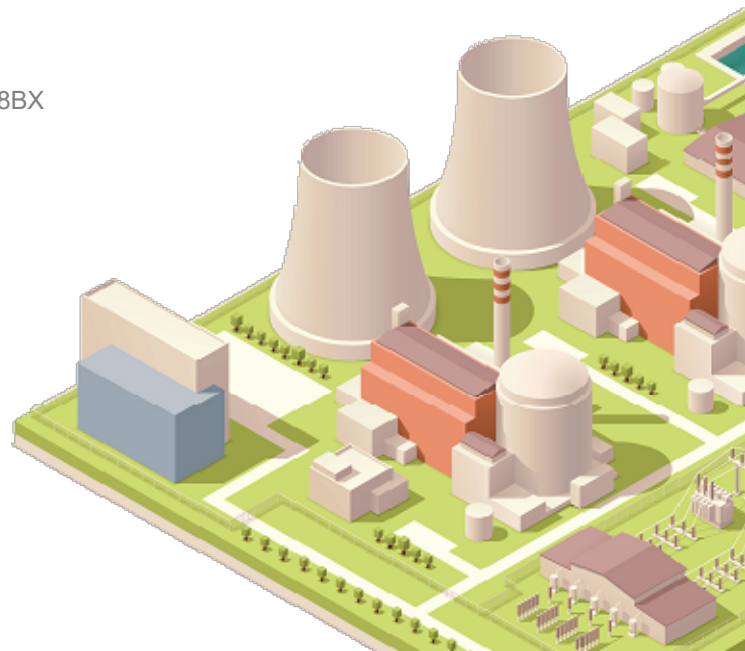
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Contents

Executive Summary	
Monitoring Objectives	3
Monitoring Results	4
Operating Information	4
Monitoring Deviations	4
Supporting Information	
Appendix 1: General Information	5
Appendix 2: Results and Calculations	6

Executive Summary

Monitoring Objectives

Envirocare Technical Consultancy were contracted by Saint Gobain Professional Services UK & Ireland to carry out emissions monitoring, to determine the compliance of A2 - Fuel Handling with the conditions specified in the operators permit (EPR/A2/1) for emissions to atmosphere. The methodologies utilised and the results obtained form the basis of this report.

The substances requested for monitoring are listed below.

Emission Point Identification

Substances to be Monitored	A2 - Fuel Handling
Total Particulate Matter	✓

Special requirements: none.

Opinions and interpretations expressed within this report are outside the scope of Envirocare Technical Consultancy's MCERTS and UKAS accreditation. Envirocare accepts no responsibility for information in this report that was provided by the client, the client's representative or employees of the client. Where such information has been provided by external sources this is identified in footnotes of the respective tables.

Executive Summary

Monitoring Results

A2 - Fuel Handling

Substance	Emission Limit Value (mg/m ³)	Periodic Monitoring Result (mg/m ³)	Uncertainty as a % of ELV (95% confidence)	Reference Conditions	Date	Start and End Times	Monitoring Reference Method	Accreditation for Use of Method
Total Particulate Matter	50	9.1	-	273K, 101.3kPa, WET	28/09/2020	09:02-13:09	MDHS 14/4	None

*Uncertainty expressed in terms of emission concentration.

Operating Information

A2 - Fuel Handling

Date	Process Type	Fuel	Feedstock	Abatement	Load	Operating Status
28/09/2020	Continuous	N/A	Woodchip	Cyclone	N/A	Normal

*information provided by Site

Monitoring Deviations

A2 - Fuel Handling

Substance Deviations	Monitoring Deviations	Other Relevant Issues
None	None	None

Supporting Information

Appendix 1: General Information

Monitoring Organisation Staff Details

Personnel	Function in Monitoring Campaign	MCERTS Level	MCERTS Number
Mr K Wells	Team Leader	2 (TE1)	MM 06 701

Monitoring Methods

Pollutant Species	Standard	Technique	ISO 17025 Analysis	Analysis Lab	Envirocare Internal Procedure
Total Particulate Matter	MDHS 14/4	Gravimetric	Yes	RPS	ETC-SE-30

Analysis Laboratories (short name reference as it appears above)

Envirocare (ENV)	ISO 17025 Accreditation Number: 2522
RPS Laboratories Ltd (RPS)	ISO 17025 Accreditation Number: 0605

Equipment Checklist

Equipment ID	Model Number	Purpose
SW10	Stopwatch	Sample duration measurement
ES-11.02 (BA12)	Barometer	Ambient pressure measurement
FM15	Rotameter	Sample flow measurement
ENV 20	Sampling Pump	Sample volume measurement

Appendix 2: A2 - Fuel Handling Results and Calculations

Picture of the sampling location and positions



Total Particulate Matter by MDHS 14/4 Method

Pump Ref.	Head Ref.	Filter Ref.	Duration (min)			Sample Flow (L/min)			Sample Volume (L)	Collected TPM Mass (mg)	Conc. (mg/m ³)	Corrected Conc. (mg/Nm ³)
			Start	End	Total	Start	End	Avg.				
ENV 20	Bio/36	203762	09:02	13:09	247	2.5	2.5	2.5	618	5.5	8.9	9.1

Parameter	Value	Unit
Date	28/09/2020	-
Flow Measurement Device	ENV 20	-
Atmospheric Pressure	1012	mbar
Stack Gas Temperature	6.0	°C

Emissions Calculations		
Blank Concentration	0.60	mg/Nm ³
Corrected Emission	9.1	mg/Nm³
Corrected to 11% Oxygen	N/A	mg/Nm ³
Mass Emission Rate	N/A	kg/hr