



MURROW AD PLANT LTD PERMIT VARIATION APPLICATION MARCH 2023

List of Medium Combustion Plant

Prepared for
Murrow AD Plant Ltd

REPORT SCHEDULE

Client: Murrow AD Plant Ltd

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Project Director: Sophie Swan, Operations Manager, Adapt Biogas

Project Manager: Jo Chapman (Chapman Beck Limited)

AUTHOR	DATE
Jo Chapman	22.09.22

REVIEWER	DATE
Sophie Swan	29.03.23

APPROVED	DATE
Sophie Swan	29.03.23

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1. INTRODUCTION

1.1. Introduction

1.1.1. The operator is required to submit a list of medium combustion plant. This has recently been submitted to local officers on Appendix A to the current standard rules permit as required by the current permit rules set. The document submitted is included here as Attachment 1.

1.1.2. The details of the medium combustion plant at the site are also now shown in section 2 below.

2. LIST OF MEDIUM COMBUSTION PLANT

2.1. Medium Combustion Plant

2.1.1. The following medium combustion plant are currently operational at the facility.

MCP	Thermal Inputs	Thermal/Electrical Outputs	Operating Hours Per-Year
CHP 1	0.619MW	0.275 MWth	8700 at 90-100% load
CHP 2	0.619MW	0.275 MWth	8700 at 90- 100% load
CHP 3	1.193MW	0.519 MWth	8700 at 90- 100% load
CHP 4	1.193MW	0.519 MWth	8700 at 90- 100% load
Emergency Generator	In use less than 500 hours per year	0.24MW	Emergency use only (less than 500 hours a year)
Other Combustion Plant at the Site			
Emergency Flare	<i>Flare Design Data;</i> V = 2000m3 biogas with 55% CH4 T = 1000oC Flame temperature		Emergency use only

2.1.2. A copy of the Appendix A document as submitted in compliance with the current permit requirements is shown below.

Attachment 1 – Document Submitted to Local EA Officers



Appendix A for biowaste sites

Appendix A – [Enter standard rule number, for example SR2021 No 6: anaerobic digestion facility including use of the resultant biogas - installations]

NACE code: plant name	Activity (MCP or SG equals an MCP)	Type of MCP (technology such as diesel engine, gas turbine, dual fuel engine)	Serial number of plant	Plant grid reference (Latitude or Longitude) or (East or North)	Commissioning date of MCP	Size (MWth) (rated thermal input)	Fuel type	Share of fuels	Expected annual operating hours (and average load in use)
Plant 1	Medium combustion plant	Combined Heat & Power Unit	SN724	Latitude - 52.654059033 01058	22 nd March 2021	0.275MWth recoverable heat	Biogas	100%	8,700 (246 kWh)
Plant 2	Medium combustion plant	Combined Heat & Power Unit	SN692	Latitude – 52.654001180 87564	23 rd June 2021	0.275MWth recoverable heat	Biogas	100%	8,700 (246 kWh)
Plant 3	Medium combustion plant	Combined Heat & Power Unit	SN4293	Latitude - 52.657112987 491814	22 nd July 2020	0.519MWth recoverable heat	Liquid Natural Gas	100%	7,100 (210 kWh)

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Appendix A for biowaste sites

Plant 4	Medium combustion plant	Combined Heat & Power Unit	SN4294	Latitude - 52.651222921 263525	22 nd July 2020	0.519MWth recoverable heat	Liquid Natural Gas	100%	5,500 (160 kWh)
Plant 5	Generator (is also an MCP)	Diesel Generator	18119AC9	Latitude - 52.654798996 613835	Installed – July 2020	N/A	Diesel	100%	Emergency use only. Less than 500 hours per year.

Medium combustion plant (MCP) and specified generator (SG) list (Annex 1 information)

Operator name: Murrow AD Plant LTD

Operator registered office: Somerset Farm , Cants Drove, Murrow, Wisbech, PE13 4HN

Address of plant (site): Somerset Farm, Cants Drove, Murrow, Wisbech, PE13 4HN

Note:

This table only lists MCPs permitted on this site.

The operator shall notify the Environment Agency, as soon as is practicable, in writing of any change of new medium combustion plant Annex I information. If this includes adding or removing MCP plant from the permitted site a variation of this standard permit will be required.

