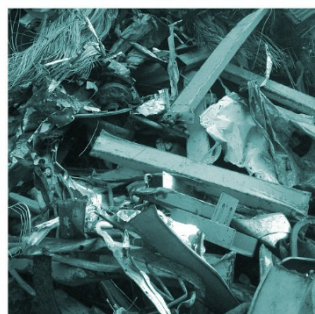
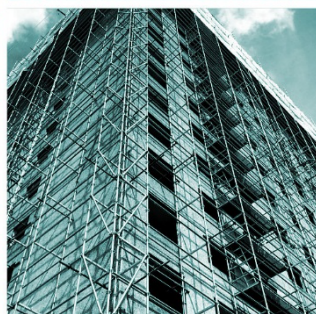
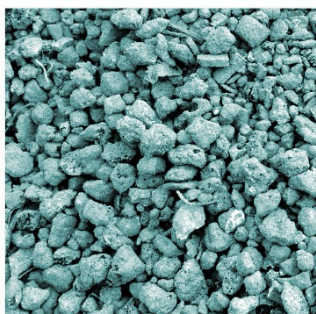
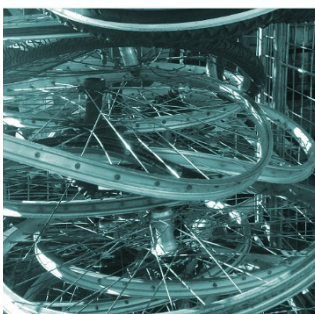
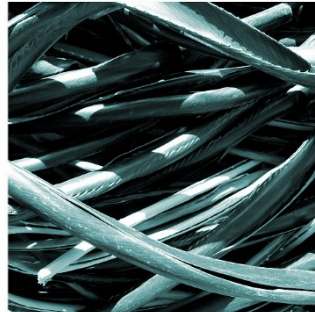


BIO DYNAMIC UK LIMITED PERMIT VARIATION APPLICATION

List of Combustion Plant
July 2022



REPORT SCHEDULE

Operator: Bio Dynamic UK Limited

Client: Bio Dynamic UK Limited

Project Title: Bio Dynamic UK Limited Permit Variation Application

Document Title: List of Combustion Plant

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1. INTRODUCTION

1.1. Application Form Part C2.5

- 1.1.1. This document is intended to support the information outlined in Appendix 1 of form Part C2.5 of this application.
- 1.1.2. A list of new Medium Combustion Plant to be installed as a result of this variation and required information for each unit is given below.
- 1.1.3. There are already two medium combustion units at the site (pre-existing CHP's) and included on the site permit.
- 1.1.4. As a result of this variation, there will be an additional three units; two CHP's and one boiler.

2. LIST OF MEDIUM COMBUSTION PLANT

2.1. List of Medium Combustion Plant

2.1.1. Below is a list of the new combustion plant that have been installed as part of the site refurbishment and are now added to the permitted operations as a result of the current variation. These are in addition to the two current CHP engines (CHP 1 and CHP2) which are already listed on the permit.

Specific Questions for MCP				
MCP Site Specific Identifier	CHP3 – Emission Point A5 1.25Mw output Caterpillar Engine			
Grid reference of the location of the MCP (either NGR or Latitude/Longitude)	Eastings	Northings	Latitude	Longitude
	463430.3	339768	52.951551	-1.0573559
Rated thermal input (MW) of the MCP	2.955MWth			
Type of MCP (e.g. boiler)	CHP Engine			
Type of fuels used: gas oil (diesel), natural gas, gaseous fuels other than natural gas	Biogas			
Date when the new MCP was first put into operation	Not yet commissioned (new plant)			
Sector of activity of the MCP or the facility in which it is applied (NACE code**)	E38.3.2			
Expected number of annual operating hours of the MCP	8,000 hours			
Average load in use (%)	100%			
Where the option of exemption under Article 6(8) is used, a declaration signed here by the operator (as identified on Form A) that the MCP will not be operated more than the number of hours referred to in this paragraph	N/A			
Stack height (m)	5m			
Distance to nearest human receptor (m)	640m (The Firs, Holme Lane)			
Distance to nearest ecological receptor (m)	Netherfield Lagoons LNR at 88m			
Specific Questions for MCP				

Specific Questions for MCP				
MCP Site Specific Identifier	CHP4 – Emission Point A6 1.25Mw output Caterpillar Engine			
Grid reference of the location of the MCP (either NGR or Latitude/Longitude)	Eastings	Northings	Latitude	Longitude
	463436.8	339760.8	52.951486	-1.0572606
Rated thermal input (MW) of the MCP	2.955MW			
Type of MCP (e.g. boiler)	CHP Engine			
Type of fuels used: gas oil (diesel), natural gas, gaseous fuels other than natural gas	Biogas			
Date when the new MCP was first put into operation	Not yet commissioned (new plant)			
Sector of activity of the MCP or the facility in which it is applied (NACE code**)	E38.3.2			
Expected number of annual operating hours of the MCP	8,000 hours			
Average load in use (%)	100%			
Where the option of exemption under Article 6(8) is used, a declaration signed here by the operator (as identified on Form A) that the MCP will not be operated more than the number of hours referred to in this paragraph	N/A			
Stack height (m)	5m			
Distance to nearest human receptor (m)	640m (The Firs, Holme Lane)			
Distance to nearest ecological receptor (m)	Netherfield Lagoons LNR at 88m			

Specific Questions for MCP				
MCP Site Specific Identifier	Backup Boiler – Emission Point A14			
Grid reference of the location of the MCP (either NGR or Latitude/Longitude)	Eastings	Northings	Latitude	Longitude
	463402.3	339824.7	52.952064	-1.0577615
Rated thermal input (MW) of the MCP	2.731MW			

Specific Questions for MCP	
Type of MCP (e.g. boiler)	Dual Fuel Boiler
Type of fuels used: gas oil (diesel), natural gas, gaseous fuels other than natural gas	Biogas/Diesel
Date when the new MCP was first put into operation	Yet to be installed (new unit)
Sector of activity of the MCP or the facility in which it is applied (NACE code**)	E38.3.2
Expected number of annual operating hours of the MCP	Anticipated less than 500 hours a year
Average load in use (%)	100%
Where the option of exemption under Article 6(8) is used, a declaration signed here by the operator (as identified on Form A) that the MCP will not be operated more than the number of hours referred to in this paragraph	
Stack height (m)	2.4m
Distance to nearest human receptor (m)	640m (The Firs, Holme Lane)
Distance to nearest ecological receptor (m)	Netherfield Lagoons LNR at 88m



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