

Permit Reference Number: WP3836ZF

Operator: TRADEBE HEALTHCARE NATIONAL LTD

Installation: Wrexham Clinical Waste Incinerator

Form Number: Agency Form / WP3836WF / E1 / Form Dated 01/

**Reporting of Energy Usage for the Year..... 2019**

Energy Source	Energy Usage Quantity	Primary Energy (MWh)	CO2 Produced (Tonnes)
Electricity*	613228.00	613.22	244.31
Natural Gas	586.30	586.30	111.40
Heliex	263308	263	0
TOTAL	877122.30	1462.52	355.71

\*Conversion factor for delivered electricity to primary energy

Trends In Energy Usage			
Year	Parameter		
	Primary Energy Usage (MWh)	CO2 produced	CO2 per Unit Output
2014	571307.64	145.87	33kgCO2/ton processed
2015	2641.00	629.89	103kgCO2/ton processed
2016	1534.32	284.48	53.56kg CO2/ton processed
2017	1037.74	191.28	28.52kg CO2/ton processed
2018	647.9	141.95	22.2kg CO2/ton processed
2019	1462.82	355.7	63.46kg CO2/ton processed

Operator's Comments:

Introduction of the Heliex expander /power  
Reduced throughput over the year and reduced Availability against 2018

Signed.....V Norris.....  
(authorised to sign as representative of Tradebe Healthcare National Ltd)

Date..... 09/01/2020

