

Permit Reference Number: WP3836ZF

Operator: TRADEBE HEALTHCARE NATIONAL LTD

Installation: Wrexham Clinical Waste Incinerator

Form Number: Agency Form / WP3836WF / E1 / Form Dated 01/10/05

**Reporting of Energy Usage for the Year..... 2018**

Energy Source	Energy Usage Quantity	Primary Energy (MWh)	CO2 Produced (Tonnes)
Electricity*	90.50	90.50	36.05
Natural Gas	557.40	557.40	105.90
TOTAL	647.90	647.90	141.95

\*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

**Operator's Comments:**

Upgrade in internal and external lighting to LED  
New ID fan motor with higher efficiency rating  
Higher throughputs over the year compared to 2017

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

Date..... 09/01/2018