

Permit Reference Number: NP3030BJ Operator: Enersys Ltd

Installation: Enersys Newport

Form Number: PI1

Reporting of Performance Indicators for the year2017.....

Annual Production/Treatment	
Production of Battery Products	23122 Tonnes

Environmental Performance Indicators

Performance Indicators			Trends in Environmental Performance					
Parameter	Annual Average	Units	Year	Parameter	Energy Use	Waste Disposed	Waste recovered	Mass lead released
Energy Use	1697	kWh/tonne		Potable water use				
Potable water use	0.820	m3/tonne	2011	3.5 m3/t	2208 kWh/T	205.04 Tonnes	4553.77 Tonnes	161.4Kg
Waste disposed	0.007	T/tonne	2012	3.4 m3/t	2189 kWh/T	179.95 Tonnes	4907.54 Tonnes	228.6Kg
Waste recovered	0.127	T/tonne	2013	2.86m³/t	1926 kWh/T	118.72Tonnes	5046.69 Tonnes	176.23Kg
Mass lead released	0.0000028	T/tonne	2014	1.93m³/t	1789 kWh/T	37.85Tonnes	3707.63 Tonnes	93.39Kg
			2015	1.80m³/t	1962kWh/T	202Tonnes	3078.20Tonnes	151.08Kg
			2016	1.15m³/t	2005kWh/T	163Tonnes	2527.43Tonnes	65.68Kg
			2017	0.82m³/t	1697kWh/T	147.6Tonnes	2929.68Tonnes	66.17Kg
Operator's comments :								

Signed Date.....27th January 2018.....

(authorised to sign as representative of the Operator)

Permit Reference Number: NP3030BJ Operator: Enersys Ltd

Installation: Enersys Newport

Form Number: E1

Reporting of Energy Usage for the year2017

Energy Source	Energy Usage		CO ₂ Produced (tonnes)
	Quantity	Primary Energy (MWh)	
Electricity *	25188.2MWh	60451.7MWh	10041.8
Natural Gas	14048.6MWh	14048.6MWh	2670.8
Gas Oil	0 tonnes		
Heavy Fuel Oil	0 tonnes		
TOTAL	39236.8MWh	74500.3MWh	12712.6Tonnes

* Conversion factor for delivered electricity to primary energy = 2.4

Trends in Energy Usage			
Year	Parameter	CO ₂ produced	CO ₂ per unit output
2011	Primary Energy usage	13533	0.7544T/T
2012	87673.58	14037.67	0.7039T/T
2013	77719.43	13258.59	0.6254T/T
2014	84830.98	14441.93	0.5891T/T
2015	77982.9	13282.0	0.6338T/T
2016	73253.6	12522.5	0.6417T/T
2017	74500.3	12712.6	0.6672T/T

Operator's comments :

ELECTRICITY CO2 PRODUCED = 60451.7/6.02 = 10041.8

GAS CO2 PRODUCED = 14048.6/5.26 = 2670.8

PRODUCTION TONNAGE = 23122 TONNES

Signed
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Date.....27th January 2018.....

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Installation: Enersys Newport

Form Number: WU1

Reporting of Water Usage for the year2017

Water Usage		
Water Source	Usage (m ³)	Specific Usage (m ³ /t)
Mains water	19056	0.82m ³ /t
TOTAL WATER USAGE	19056	

Trends in Water Usage			
Year	Parameter		
	Named Water source	Total Water usage	Water per unit output
2012		68640	3.4 m ³ /t
2013		60532	2.86 m ³ /t
2014		47225	1.93 m ³ /t
2015		37463	1.80m ³ /t
2016		22460	1.15m ³ /t
2017		19056	0.82m ³ /t

Operator's comments :

PRODUCTION OUTPUT IS TONNES 23122

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Operator: Enersys Ltd

Form Number: R1

Reporting of Waste Disposal and Recovery for the year2017

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Operator's comments :
PRODUCTION OUTPUT IS TONNES 23122

Signed
(authorised to sign as representative of the Operator)

Date.....27th January 2018.....