

Operator: Enersys Ltd

Form Number: R1

year2016.

[illegible]

Operator's comments :
PRODUCTION OUTPUT IS 19517 TONNES

.....
(authorised to sign as representative of the Operator)
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Date.....27th January 2017.....

Operator: Enersys Ltd

Form Number: WU1

Reporting of Water Usage for the year2016.....

Water Usage		
Water Source	Usage (m ³)	Specific Usage (m ³ /t)
Mains water	22460	1.151 m ³ /t
TOTAL WATER USAGE	22460	

Trends in Water Usage			
Year	Parameter		
	Named Water source	Total Water usage	Water per unit output
2011		62759	3.5 m ³ /t
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

Operator's comments :

PRODUCTION OUTPUT IS 19517 TONNES

Signed
(authorised to sign as representative of the Operator)

Date.....27th January 2017.....

27/01/2017

Permit Reference Number: NP3030BJ

Operator: Enersys Ltd

Installation: Enersys Newport

Form Number: E1

Reporting of Energy Usage for the year2016.....

Energy Usage			
Energy Source	Energy Usage		CO ₂ Produced (tonnes)
	Quantity	Primary Energy (MWh)	
Electricity *	24373.3MWh	58495.9MWh	9716.9
Natural Gas	14757.7MWh	14757.7MWh	2805.6
Gas Oil	0 tonnes		
Heavy Fuel Oil	0 tonnes		
TOTAL	39131MWh	73253.6MWh	12522.5 Tonnes

* Conversion factor for delivered electricity to primary energy = 2.4

Trends in Energy Usage				
Year	Parameter	Primary Energy usage	CO ₂ produced	CO ₂ per unit output
2011		79334.97	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

Operator's comments :

ELECTRICITY CO2 PRODUCED = 58495.9 /6.02 = 9716.9

GAS CO2 PRODUCED = 14757.7 /5.26 = 2805.6

PRODUCTION TONNAGE = 19517 TONNES

Signed

(authorised to sign as representative of the Operator)

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Date.....27th January 2017.....

Permit Reference Number: NP3030BJ Operator: Enersys Ltd

Installation: Enersys Newport

Form Number: P/1

Reporting of Performance Indicators for the year2016.....

Annual Production/Treatment	
Production of Battery Products	19,517
	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	2005	kWh/tonne		Potable water use				
Potable water use	1.151	m3/tonne	2011	3.5 m3/t	2208 kWh/T	205.04 Tonnes	4553.77 Tonnes	161.4Kg
Waste disposed	0.008	T/tonne	2012	3.4 m3/t	2189 kWh/T	179.95 Tonnes	4907.54 Tonnes	228.6Kg
Waste recovered	0.131	T/tonne	2013	2.86m ³ /t	1926 kWh/T	118.72Tonnes	5046.69 Tonnes	176.23Kg
Mass lead released	0.0000033	T/tonne	2014	1.93m ³ /t	1789 kWh/T	37.85Tonnes	3707.63 Tonnes	93.39Kg
			2015	1.80m ³ /t	1962kWh/T	202Tonnes	3078.20Tonnes	151.08Kg
			2016	1.15m ³ /t	2005kWh/T	163Tonnes	2527.43Tonnes	65.68Kg
Operator's comments :								

Signed
(authorised to sign as representative of the Operator)

Date.....27th January 2017

27/01/2017