

Permit Number: DP3832EF Operator: Biotage GB Limited
 Facility: Unit C IST House Form Number: Energy1 / 08/02/18

Reporting of Energy Usage for the year 2017

Energy Source	Energy Usage		Specific Usage (MWh/unit output)
	Quantity	Primary Energy (MWh)	
Electricity *	425.6 MWh	1021.50 MWh	2454.3 MWh / tonne
Natural Gas	253.7 MWh		609.6 MWh / tonne
Gas Oil	0.0 tonnes		
Recovered Fuel Oil	0.0 tonnes		
TOTAL	679.3 MWh		3063.9 MWh / tonne

* Conversion factor for delivered electricity to primary energy = 2.4

Operator's comments :

Signed *N. Jenkins* Date..... 08/02/18
 (Authorised to sign as representative of Operator)

Permit Number: DP3832EF Operator: Biotage GB Limited
 Facility: Unit C IST House Form Number: WaterUsage1 / 08/02/2018

Reporting of Water Usage for the year 2017

Water Source	Usage (m ³ /year)	Specific Usage (m ³ /unit output)
Mains water	13 183 m ³ / year	31 674.7 m ³ / tonne
Site borehole	0.0 m ³ / year	
River abstraction	0.0 m ³ / year	
TOTAL WATER USAGE	13 183 m³ / year	31 674.7 m³ / tonne

Operator's comments :

Signed
 (authorised to sign as representative of Operator)

Date.....08/02/18

Permit Number: EPR/DP3832EF

Operator: Biotage GB Limited

Facility: Unit C IST House, Distribution Way

Form Number: Performance1 / 08/02/18

Reporting of other performance indicators for the period 01/01/2017 to 31/12/2017

Parameter	Units
Polystyrene polymer	0.0240 tonnes/year for activity A1
1,2 - Dichloroethane	0.3467 tonnes/year for activity A1
Bromine	0.0173 tonnes/year for activity A1
Thallium acetate	0.0004 tonnes/year for activity A1
Dichloromethane	0.4655 tonnes/year for activity A1
Methanol	0.2594 tonnes/year for activity A1
Amorphous synthetic silica	0.1995 tonnes/year for activity A2
Ethylbenzene	0.3587 tonnes/year for activity A2
Imidazole	0.0098 tonnes/year for activity A2
Trichlorosilanes (various)	0.0855 tonnes/year for activity A2
Hexane	0.8831 tonnes/year for activity A2
Acetone	1.4305 tonnes/year for activity A2
Methanol	0.8610 tonnes/year for activity A2
Si - Thiol	0.1372 tonnes/year for activity A3
Nitric Acid	0.1625 tonnes/year for activity A3
Methanol	1.6374 tonnes/year for activity A3
Bonded silica sorbents	0.0100 tonnes/year for activity A4
Dichloromethane	0.0371 tonnes/year for activity A4
Chlorosulfonic acid	0.0113 tonnes/year for activity A4
Methanol	0.4952 tonnes/year for activity A4
Total amount of product produced – Activity A1	0.0335 tonnes
Total amount of product produced – Activity A2	0.2352 tonnes
Total amount of product produced – Activity A3	0.1397 tonnes

Parameter	Units
Total amount of product produced – Activity A4	0.0078 tonnes
Total amount of hazardous waste produced	36.8572 tonnes
Total amount of non-hazardous waste produced	47.086 tonnes (data for Mixed Recycling not available)

Operator's comments :
 NB Waste quantities added to this form as there was nowhere else to report them.

Signed *N. Jenkins* Date.....08/02/18.....
 (Authorised to sign as representative of Operator)