



REVIEW OF MONITORING AND ASSESSMENT AT POETON CARDIFF 2020

This review is undertaken to comply with condition 4.2.2(a) of our environmental permit no. BP1772IZ.

Due to COVID-19 there were a few challenges to overcome in 2020 and unfortunately, we lost quite a few staff through redundancies.

Year	Employees
2019	135
2020	65

Water Use:

Year	Total water use	Operational Hours	M3 water /op. hour
2019	50124	6300	7.96
2020	33637	6240	5.39

We are pleased to report that our water consumption has significantly reduced on the previous year. We are remaining vigilant with regards to staff training, maintenance measures such as flow restrictors and monitoring, to further reduce usage.

Our ageing de-min water plant has been replaced by a state-of-the-art reverse osmosis plant., which has helped in the reduction of water usage. We will continue to look at making use of any excess R/O water for applications such as flushing of toilets etc.

Waste:

Waste	Haz waste (tonnes)	Recycled (Tonnes)
2019	11	17.5
2020	26.7	22.8

Although the waste consigned as a whole was higher in 2020, we have continued to increase the amount of waste being recycled. The reason for the increase in hazardous waste is partly down to us removing waste that had built up. We are looking to better control stock and waste generated in 2021 to reduce the amount of waste build up. Communication and training for staff was been difficult throughout 2020 due to Covid-19, but we are exploring new methods of group communication and training to be rolled out in 2021. Recycled Solvents were approx. 2.25 tonnes, recycled scrap and empty drums were approx. 0.4 and recycling consigned through Biffa 20.14 tonnes.

We are looking at how we can further recycle our waste, one way is by saving and reusing packaging where possible and encouraging customers to use bespoke packaging for their parts so no waste is generated in the first place.

Energy Use:

Year	Primary Energy (MWh)	Energy/op hour	Co2	Co2/op hour
2019	4242.6	0.67	721.5	0.114
2020	3095.2	0.49	526.3	0.084

The more efficient equipment and lighting that has been installed, along with ensuring equipment that is not being used is turned off, is having a positive impact on our energy usage.

The only gas-heated process tank (the hot water seal in the Anodising department) has been removed and replaced by a more efficient installation. The overhead gas heaters in general plating have been repaired and serviced so they are working more efficiently.

Mass Release:

Year	Cadmium (Kg)	Mercury (mg)
2019	0.24	0.002
2020	1.88	0.002

Due to the issues, we have faced with COVID-19 the work on a completely new effluent plant has been held back, we are expecting work to start on this again in 2021.

Jason Hamling
(HSE & Facilities Manager)