

year	power	sludge	load	caustic	volume in	Final discharge
2018	5242	83	10414	2732	2102	1948
2019	5865	97	9271	2316	2123	2123
1	11%	14%	-12%	-18%	1%	8%
2020	6108	98	8945	2317	2253	1528
	4%	1%	-4%	0%	6%	-39%

Summary

There has been an increase of 6% in volumes processed at the WWTP due to increased production mainly at the Volac site. However on a positive note the combined COD loading onto the plant has decreased by 4% mainly driven by the Volac site. Both parties are endeavouring to minimise wastage and adopting BAT procedures. (ie CIP recovery systems).

Sludge export from site has increased by 1% due to increased DAF efficiency. The sludge dewatering project is under way and hopefully will be completed by end of March this year which should see a reduction of sludge export by 30%.

Sodium hydroxide usage has remained the same but in real terms has dropped as the feed volume to the plant has increased. Power consumption increased by 4% due to higher volumetric throughput and the installation of the MBR plant and the water recovery system which has reduced the final discharge at W1 by 39%.

As always we are endeavouring to reduce loading on to the plant and employ BAT in the treatment of the waste water to improve efficiency and quality.

2300

2250

2200

2150

2100

2050

2000

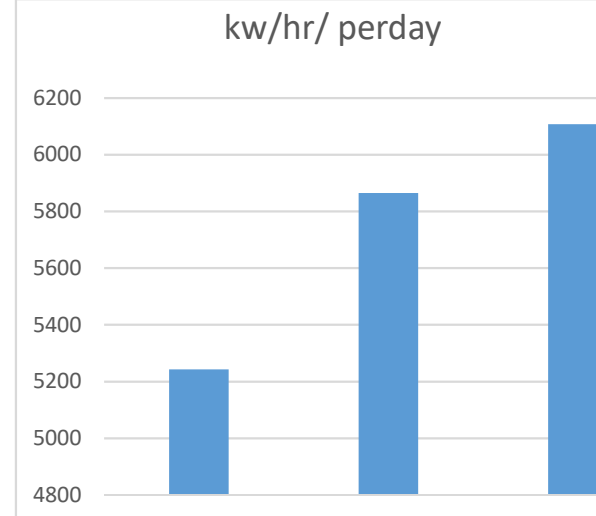
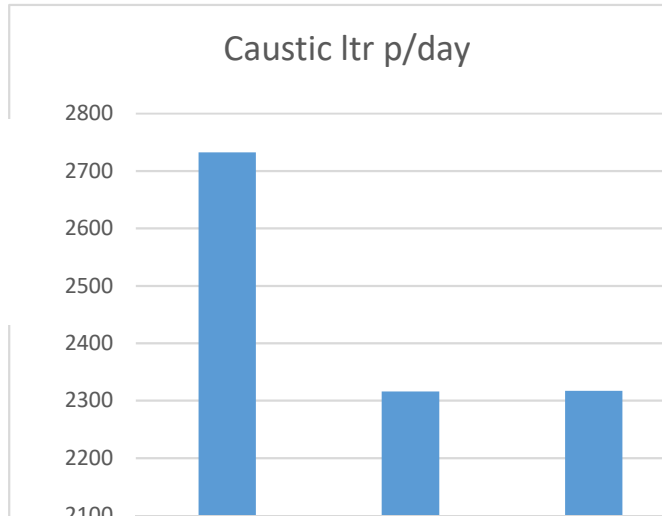
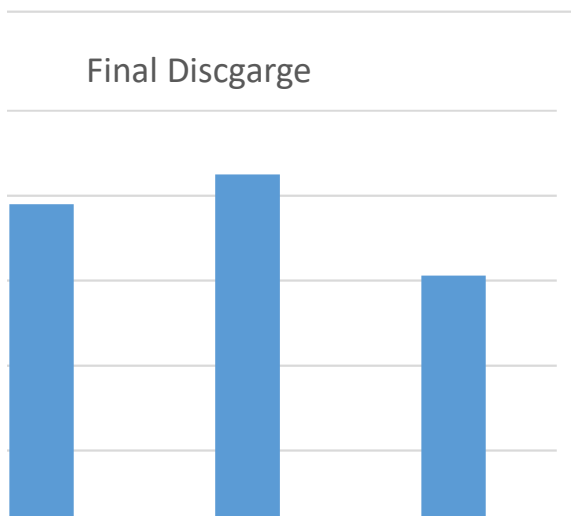
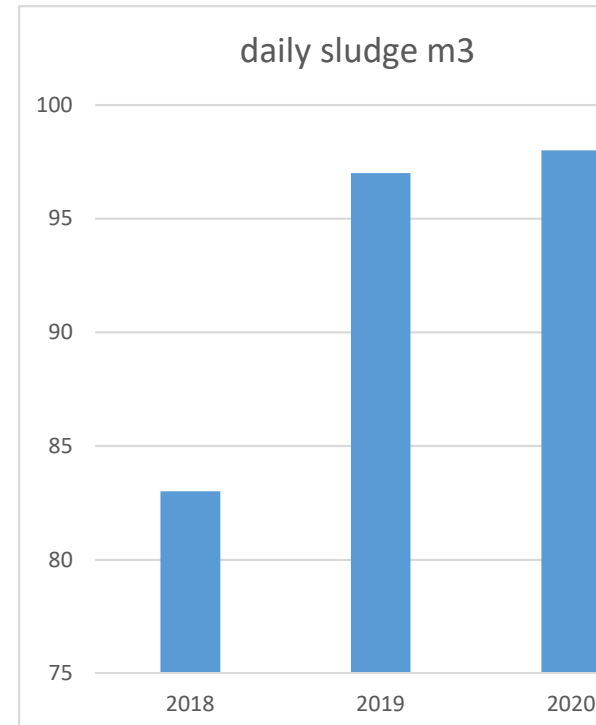
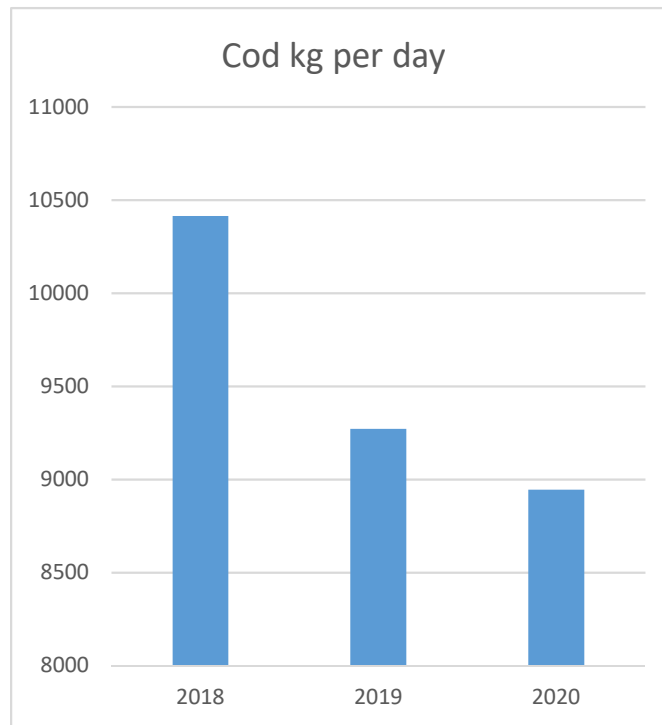
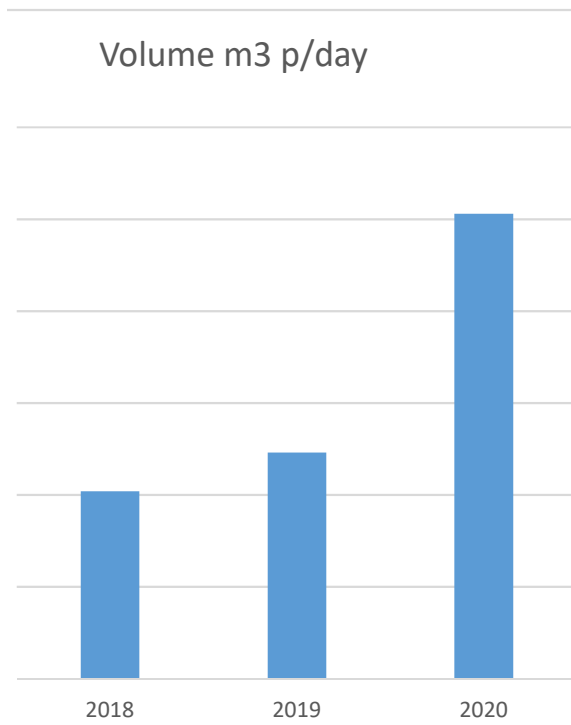
2500

2000

1500

1000

500



2018	2019	2020

2018	2019	2020
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2018	2019	2020
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