Permit Reference Number: EPR/YP3937SH
Installation: Amex Park, Johnstown, Carmarthen
Reporting of Emissions to Water (other than to Sewer) for the period from 01/01/2021 – 31/01/2021

Operator: Mekatek Limited
Form Number: W1

Emission Point	Substance / Parameter	Emission Limit Value	Result[1]	Test Method [2]	Sample Date and Times [3]	Accreditation/ Certification [4]	Uncertainty[5]
W1	Suspended solids [6]	Summer 60mg/l Winter 75mg/l	3 mg/l	Gravimetric Analysis	Monthly Composite	MCERTS	11.39%
W1	Total ammonium as N	Summer 15mg/l Winter 20mg/l	MIN:0.1mg/l MAX:11.3mg/l AVE:3.28mg/l	Nessler Method	Daily throughout month	IN -HOUSE	13.9%
W1	Mercury and its compounds	0.6µg/l	<0.2µg/l	Cold Vapour Fluorescence	Monthly Composite	MCERTS	14.82%
W1	Cadmium and its compounds	0.17µg/l	0.1µg/l	ICP-MS	Monthly Composite	MCERTS	11.05%
W1	Lead and its compounds	15µg/l	<6.00µg/l	ICP-OES	Monthly Composite	MCERTS	14.28%
W1	Nickel and its compounds	34µg/l	24.6µg/l	ICP-OES	Monthly Composite	MCERTS	15.84%
W1	Zinc and its compounds	142µg/l	384µg/l	ICP-OES	Monthly Composite	MCERTS	18.15%
W1	Chromium and its compounds	42µg/l	38.7µg/l	ICP-OES	Monthly Composite	MCERTS	9.28%
W1	Copper and its compounds	30µg/l	44µg/l	ICP-OES	Monthly Composite	MCERTS	9.72%
W1	Biochemical oxygen demand	Summer 40mg/l Winter 75mg/l	6mg/l	5 day BOD + ATU	31/01/2020	MCERTS	23.60%
W1	Temperature [7]	24°C	12.8°C	Thermometer	Daily throughout month	IN-HOUSE	1 DP
W1	Oils and grease	No visible release	No visible release	Visual Testing	Daily throughout month	N/A	N/A
W1	pH [7]	6.0 to 8.5	MIN:6.53 MAX:8.31 AVE:7.00	Probe method	Monthly Data	MCERTS	15.62%
W1	Flow	39l/second	32.21l/second	Flow meter and data logger	Monthly Data	MCERTS	8%
		2500m³/day	1660.15		Monthly Data		
W1	Ammonium as N	4197kg/year	141.95Kg				
W1	Mercury and its compounds as Hg	0.274 kg/year	0.0087Kg				
W1	Cadmium and its compounds as Cd	0.921kg/year	0.0043Kg				

[1] The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum – maximum' measured values.
[2] Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, e.g. colorimetry.
[3] For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements, or flow/time proportional samples, the percentage of the process operating time covered by the monitoring is given.
[4] The accreditation status of the equipment and/or the monitoring organisation, as appropriate, for the methods used for both sampling and analysis.
[5] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated. The following uncertainties are quoted on a different basis (basis as stated) – *{The basis of any other uncertainty figure needs to be stated. Where no figure is available the Agency will need to agree an appropriate uncertainty value.}*
[6] The emission limit values for *{suspended solids and temperature}* are expressed as *{daily averages}*.
[7] The emission limit values for *{pH}* are expressed as *{minimum and maximum individual values}*.

Signed ..... Date..27/4/21.....
(authorised to sign as representative of the Operator)

Checked by ..... Date...27/4/21.....

Permit Reference Number: EPR/YP3937SH
Installation: Amex Park, Johnstown, Carmarthen
Reporting of Emissions to Water (other than to Sewer) for the period from 01/02/2021 – 28/02/2021

Operator: Mekatek Limited
Form Number: W1

Emission Point	Substance / Parameter	Emission Limit Value	Result[1]	Test Method [2]	Sample Date and Times [3]	Accreditation/ Certification [4]	Uncertainty[5]
W1	Suspended solids [6]	Summer 60mg/l Winter 75mg/l	2mg/l	Gravimetric Analysis	Monthly Composite	MCERTS	11.39%
W1	Total ammonium as N	Summer 15mg/l Winter 20mg/l	MIN:0.1mg/l	Nessler Method	Daily throughout month	IN -HOUSE	13.9%
			MAX:8mg/l				
			AVE:1.49mg/l				
W1	Mercury and its compounds	0.6µg/l	<0.2µg/l	Cold Vapour Fluorescence	Monthly Composite	MCERTS	14.82%
W1	Cadmium and its compounds	0.17µg/l	<0.07µg/l	ICP-MS	Monthly Composite	MCERTS	11.05%
W1	Lead and its compounds	15µg/l	<6µg/l	ICP-OES	Monthly Composite	MCERTS	14.28%
W1	Nickel and its compounds	34µg/l	11µg/l	ICP-OES	Monthly Composite	MCERTS	15.84%
W1	Zinc and its compounds	142µg/l	87.5µg/l	ICP-OES	Monthly Composite	MCERTS	18.15%
W1	Chromium and its compounds	42µg/l	15.7µg/l	ICP-OES	Monthly Composite	MCERTS	9.28%
W1	Copper and its compounds	30µg/l	19.2µg/l	ICP-OES	Monthly Composite	MCERTS	9.72%
W1	Biochemical oxygen demand	Summer 40mg/l Winter 75mg/l	15mg/l	5 day BOD + ATU	28/02/2020	MCERTS	23.60%
W1	Temperature [7]	24°C	12.8°C	Thermometer	Daily throughout month	IN-HOUSE	1 DP
W1	Oils and grease	No visible release	No visible release	Visual Testing	Daily throughout month	N/A	N/A
W1	pH [7]	6.0 to 8.5	MIN:6.97	Probe method	Monthly Data	MCERTS	15.62%
			MAX:7.63				
			AVE:7.28				
W1	Flow	39l/second	32.27l/second	Flow meter and data logger	Monthly Data	MCERTS	8%
		2500m³/day	1821.68		Monthly Data		
W1	Ammonium as N	4197kg/year	59.20Kg				
W1	Mercury and its compounds as Hg	0.274 kg/year	0.0079Kg				
W1	Cadmium and its compounds as Cd	0.921kg/year	0.0028Kg				

[1] The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum – maximum' measured values.
[2] Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, e.g. colorimetry.
[3] For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements, or flow/time proportional samples, the percentage of the process operating time covered by the monitoring is given.
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[6] The emission limit values for *{suspended solids and temperature}* are expressed as *{daily averages}*.
[7] The emission limit values for *{pH}* are expressed as *{minimum and maximum individual values}*.

Signed ..... Date 27/4/21
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Checked by ..... Date 27/4/21

Permit Reference Number: EPR/YP3937SH
Installation: Amex Park, Johnstown, Carmarthen
Reporting of Emissions to Water (other than to Sewer) for the period from 01/03/2021 – 31/03/2021

Operator: Mekatek Limited
Form Number: W1

Emission Point	Substance / Parameter	Emission Limit Value	Result[1]	Test Method [2]	Sample Date and Times [3]	Accreditation/ Certification [4]	Uncertainty[5]
W1	Suspended solids [6]	Summer 60mg/l Winter 75mg/l	8mg/l	Gravimetric Analysis	Monthly Composite	MCERTS	11.39%
W1	Total ammonium as N	Summer 15mg/l Winter 20mg/l	MIN:0.2mg/l MAX:12mg/l AVE:4.4mg/l	Nessler Method	Daily throughout month	IN -HOUSE	13.9%
W1	Mercury and its compounds	0.6µg/l	<0.2ug/l	Cold Vapour Fluorescence	Monthly Composite	MCERTS	14.82%
W1	Cadmium and its compounds	0.17µg/l	<0.07µg/l	ICP-MS	Monthly Composite	MCERTS	11.05%
W1	Lead and its compounds	15µg/l	<6.00µg/l	ICP-OES	Monthly Composite	MCERTS	14.28%
W1	Nickel and its compounds	34µg/l	21.2µg/l	ICP-OES	Monthly Composite	MCERTS	15.84%
W1	Zinc and its compounds	142µg/l	136µg/l	ICP-OES	Monthly Composite	MCERTS	18.15%
W1	Chromium and its compounds	42µg/l	54.4µg/l	ICP-OES	Monthly Composite	MCERTS	9.28%
W1	Copper and its compounds	30µg/l	23.8µg/l	ICP-OES	Monthly Composite	MCERTS	9.72%
W1	Biochemical oxygen demand	Summer 40mg/l Winter 75mg/l	22mg/l	5 day BOD + ATU	31/03/2020	MCERTS	23.60%
W1	Temperature [7]	24°C	14.7°C	Thermometer	Daily throughout month	IN-HOUSE	1 DP
W1	Oils and grease	No visible release	No visible release	Visual Testing	Daily throughout month	N/A	N/A
W1	pH [7]	6.0 to 8.5	MIN:6.59 MAX:8.40 AVE:7.44	Probe method	Monthly Data	MCERTS	15.62%
W1	Flow	39l/second	32.37l/second	Flow meter and data logger	Monthly Data	MCERTS	8%
		2500m³/day	1646.39		Monthly Data		
W1	Ammonium as N	4197kg/year	191.51Kg				
W1	Mercury and its compounds as Hg	0.274 kg/year	0.0087Kg				
W1	Cadmium and its compounds as Cd	0.921kg/year	0.0030Kg				

[1] The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum – maximum' measured values.
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[6] The emission limit values for *{suspended solids and temperature}* are expressed as *{daily averages}*.
[7] The emission limit values for *{pH}* are expressed as *{minimum and maximum individual values}*.

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