

Part A

Permit Number	EA/EPRYP3937SH/V007
Name of Operator	Mekatek Limited
Location of Installation	Amex Park, Johnstown, Carmarthen, SA31 3NF
Location of the emission	W1
Time and date of the emission	December 2023 (composite sample)

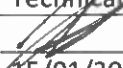
Substance(s) emitted	Media eg air, groundwater	Best estimate of the quantity or the rate of emission	Time during which the emission took place
Nitrogen, Total as N	Source emissions to water	41.7 mg/l of Nitrogen, Total as N identified within the monthly composite sample.	December 2023

Measures taken, or intended to be taken, to stop the emission	Internal analysis following an elevated Nitrogen level in November's sample has proved inconclusive. There is also an issue with the confidence of the accuracy of the internal analysis, it would appear that there is interference in the process, alternative analysis equipment / processes are being investigated in place of existing analytical equipment and capabilities. Regular analysis is being sent to ALS Laboratories and 12 Analytical laboratories for monitoring purposes and to compare the results between the 2 laboratories to ensure the results being returned to us are accurate, please see schedule 6 notification from November for more details. Incoming material and material volumes have been studied to identify any changes which may have contributed to the issues. • There are no new waste streams which have been accepted to the effluent plant process which may have contributed to this issue. • Bulk sewage volume is consistent over the periods in question. • There have been some increases in leachate
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	volumes received, leachate volumes increase in the winter / wet seasons naturally every year and no issues have previously been experienced.
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Part B

Any more accurate information on the matters for notification under Part A.	
Measures taken, or intended to be taken, to prevent a recurrence of the incident	Specialist consultants in biological waste treatment have been contacted to look in detail at the site treatment options should this be identified as necessary. We are looking at enhanced bacteria introductions – seeding the biological processes or specific parts of the biological process with freeze dried bacteria cultured for nitrogen removal.
Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment or harm which has been or may be caused by the emission	As above.
The dates of any unauthorised emissions from the installation in the preceding 24 months.	November 2023

Name	Dan Lewis
Post	Technical and Compliance Director
Signature	
Date	15/01/2024