



Little Marlow Sewage Treatment Works Liaison Committee Agenda Supplement

Date: Friday 28 April 2023
Time: 11.00 am
Venue: Via Video Conference

Agenda Item	Time	Page No
5 Questions An opportunity for public and Member questions. Please send questions, in advance of the meeting, to Liz Hornby at democracy@buckinghamshire.gov.uk		3 - 4
6 Thames Water Update		5 - 8

If you would like to attend a meeting, but need extra help to do so, for example because of a disability, please contact us as early as possible, so that we can try to put the right support in place.

For further information please contact: Liz Hornby democracy@buckinghamshire.gov.uk
01494 421261

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RESPONSES BY THAMES WATER TO QUESTIONS SUBMITTED

Question 1:

For any sewage plant such as Little Marlow, it would be useful if Thames Water (TW) could set up a process such that anyone interested could register to receive notifications by email or text message when storm discharging is occurring.

Can TW implement a process to do this?

Response:

We have been able to implement such mechanisms for other areas in the catchment of the Chess in previous years. However, we have set up the interactive Electronic Discharge Map which offers real time data for customer to view. Therefore, this would be easier quicker and more efficient for anyone to view before setting up some form of text alert system. Please find a link here: <https://www.thameswater.co.uk/edm-map>.

We set up that arrangement for the Chess as we had not developed the EDM map for catchments at the time. We try to do our best to keep river users informed about the current state of their river which also pertains to why we've made the EDM map public and live that also can give inform the public before they decide to use the watercourse.

Question 2:

As a local resident and kayaker, I am interested in knowing when the Little Marlow sewage works is pumping out sewage, not just storm water.

Can TW add some monitoring to detect when this is occurring and notify the public in riverside communities such as Bourne End and others downstream when this occurs? There have been recent incidences of dogs becoming ill after swimming in the river and it's unacceptable that pollution can occur without the public being notified when it happens?

Response:

For clarity's sake Little Marlow STW deposits treated effluent back into the water course 24 hours per day. In cases of extreme rainfall, storm discharges can be made-up of untreated effluent and rainwater. This due to ground and rain water making its way into the network, therefore, stormwater and sewage is a mix and is heavily diluted when deposited into the water course from the storm tanks when the works are unable to cope with the increased flow.

To refer to my previous statement, we have made the Electronic Discharge Map public which aims to give river users real time updates when the sewage treatment works is in storm and for how long for. Therefore, if you wish to use the river on that day you may want to check the EDM map before using the river.

If you feel like there have been recent incidents of dogs becoming ill after swimming in the water courses, we would like to encourage you to report these to Thames Water and the Environment Agency.

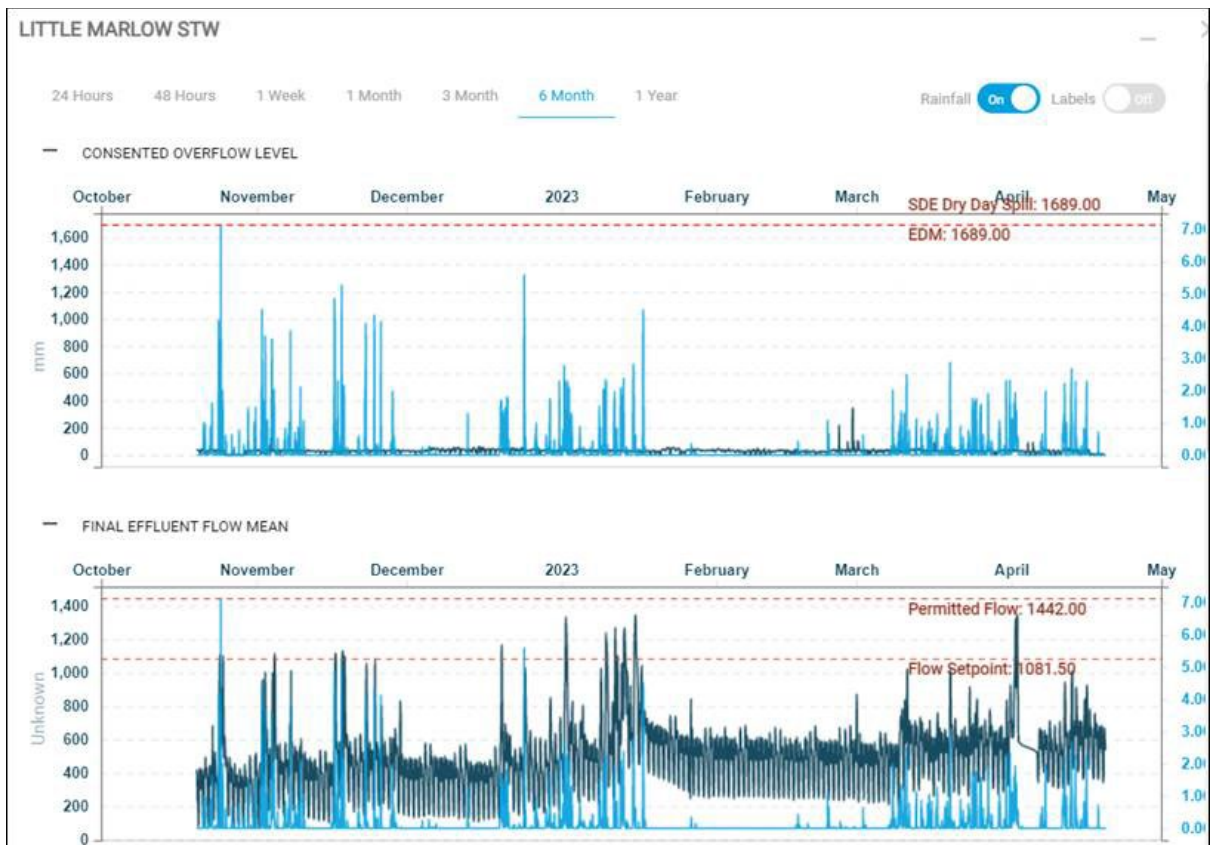
We would highly encourage anyone who feel that feels that they've been affected this way to contact Thames Water with the date and time and the nature of the incident. And to do the same with the Environment Agency.

Little Marlow STW Performance Summary

1. Compliance:

In the last 6 months (1/10/22- present)

- No storm discharges – see screenshot from DAM tool below. Light blue trace shows rainfall. First graph shows no spills (spill level is indicated by red dotted line). Second graph shows final effluent flow.



- No pollution events – case below was the only one registered on Pollution Response Planner. This was after a report to customer centre of ‘brown discharge’ at outfall. Categorized as ‘no pollution’. OHES reported that it may have been that the FE discharged being clear caused this illusion, against the relatively cloudy river. See screenshot from the report, below.



Reports: Case - 31622

Comment

Last edited by: Anton Thompson 2 18/11/2022 11:31

Kyle OHES reported readings. Visually no sewage related odours or rag and no dead fish. He did notice that there was a brown substance discharging from poi but readings were good when checked and turbidity was low. He has taken samples from all points and will drop them to the lab

Comment

Last edited by: Aidan Barry 18/11/2022 13:15

Spoke to OHES: Brown discharge appears brown but clear when sample taken in bottle. He believes this may be due to the clear water reflecting/showing the dirty riverbed.

Audit

Last edited by: System 18/11/2022 13:23

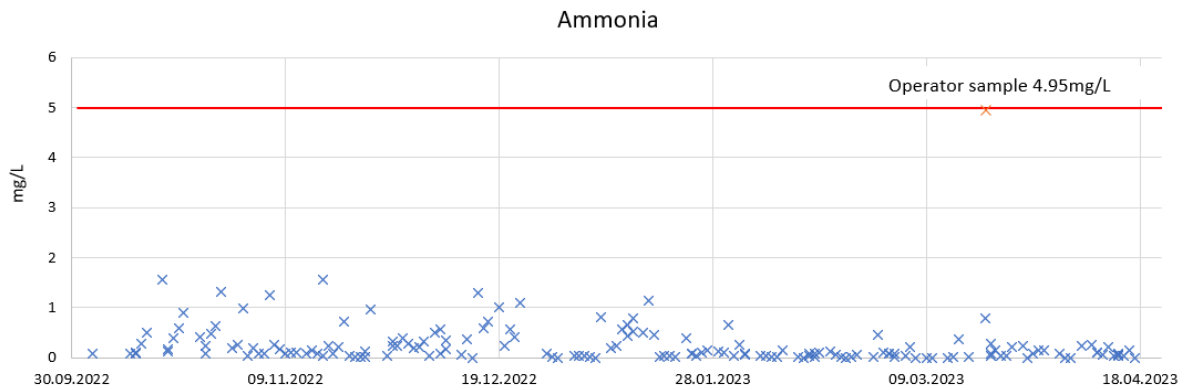
Aidan Barry self-reported to EA via email on Fri Nov 18 2022 13:23:53 GMT+0000 (Greenwich Mean Time)

Audit

Last edited by: System 18/11/2022 17:52

Francisco Afonso Coelho uploaded File FW Summary of Findings - 18.11.2022_Summary_31622_TW_11353.Little.Marlow.STW.msg (id:

- In 2022 Little Marlow complied with the Dry Weather Flow permit (DWF volume of 25,707 m³/day compared to permit level 40,300 m³/day).
- All regulatory samples compliant with permit for water quality (no failed OSM or shadow samples or UWWR) – graphs showing AmmN, BOD and SS below. Red lines show permit level



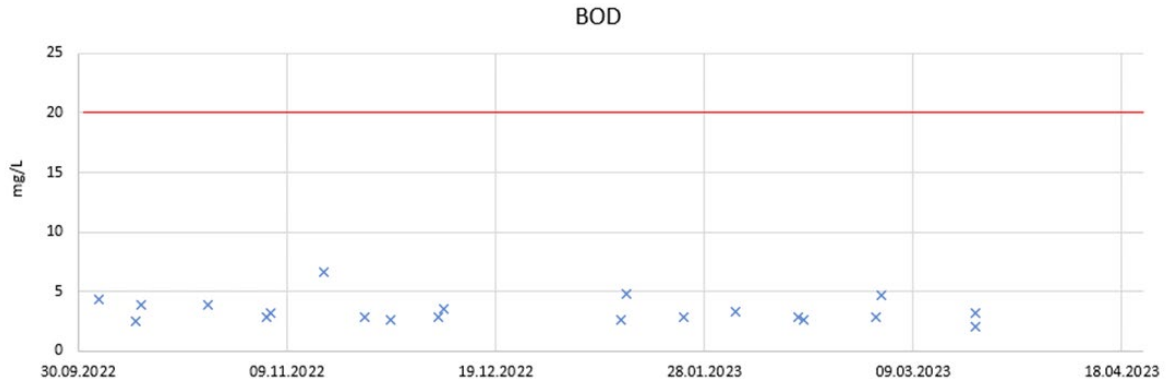
Elevated sample on 23/3/23 was due to aeration blowers tripping – see elogbook entry below. Problem quickly identified and resolved, with AmmN returning to normal within a few hours

3 Ryan O'Shea

20/03/2023

called to site for PLC2 failure found all blowers tripped, traced back fault with ICA to the pressure indicators, ica downloaded data and uploaded and blowers now running in auto. during the process the FST scrapers failed but started back up after a reset. monitored and all now running smoothly in auto.

Date	Time	Method	Y	Chr	Value	Test	Unit	#	Result
20.03.2023	08:11:42	NOSP	Y	Chr	5396	CHEMETS AMMONIA TEST KIT	mg/l	#	4.950
20.03.2023	13:02:05	NOSP	Y	Chr	5396	CHEMETS AMMONIA TEST KIT	mg/l	#	0.800



2. New sludge dewatering presses:

- 3 units will be installed in duty/assist/standby configuration
- 10 weeks lead time to be on site
- 60 weeks after that for delivery (modifications to cake barn, demolition work, installation of presses and pipe work, commissioning). Hence we are at least 18 months away.
- Current presses are being run using extra operator oversight, including 24hrs when necessary. During outages of either press for routine maintenance or repairs we have been pressing only raw sludge and tankering away the SAS.

3. Interstage/blending over-pump installation:

- Installation of a 2 off variable speed pump sets in duty/assist configuration
- Pumps to be rated at 100l/s
- Late May/Early June for handover (but some electronic parts have been delayed a couple of times so this may shift)

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