

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

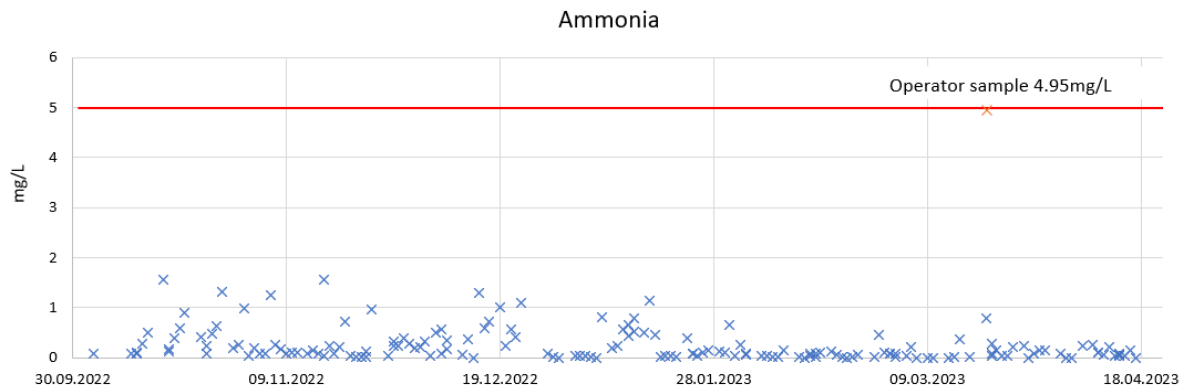
Aidan Barry self-reported to EA via email on Fri Nov 18 2022 13:23:53 GMT+0000 (Greenwich Mean Time)

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



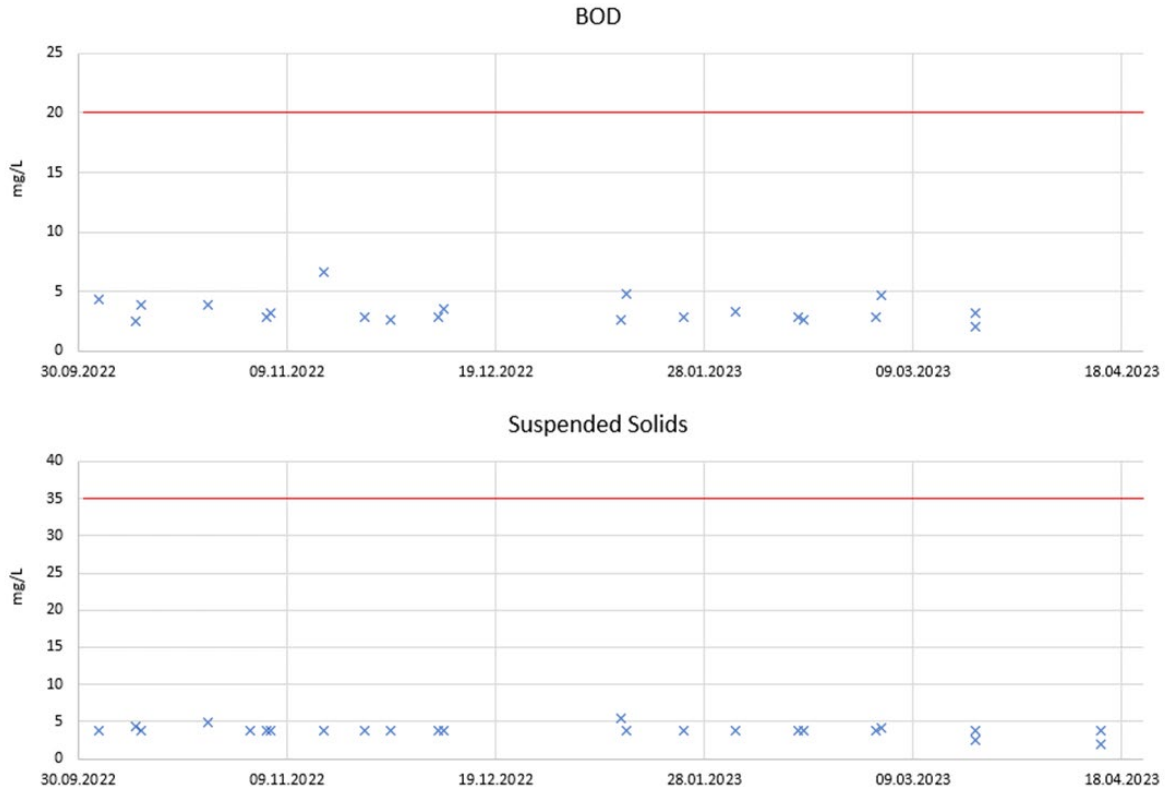
Elevated sample on 23/3/23 was due to aeration blowers tripping – see elogbook entry below. Problem quickly identified and resolved, with AmmN returning to normal within a few hours

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 .

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)