



Langham WRC & Sewerage Network Capacity
Third Review Meeting - 2nd Feb 2024



**Moor Road:
homes flooded with raw sewage
in 2016 & 2024**



**Chapel Road:
6 pumping station sewage
overflows in the last 2 years**



**Moor Road:
Dug up 3 times in last 6 months
to repair leaking water mains**

Agenda

- Welcome & Introductions (LPC) 11.00 – 11.10
- Key Questions for Today(LPC) 11.10 – 11.20
- Response to Key Questions (AW) 11.20 – 11.45
- Input from Environment Agency (LPC) 11.45 – 12.00
- Public Q&A 12.00 – 12.30
- Thoughts from our MP 12.30 – 12.45
- Wrap Up and Agree Actions (LPC) 12.45 – 13.00

Questions related to: Village Flooding

- What is causing the increasing flooding near Chapel Road/Moor Road junction
 - Pumping station? Rising Main? Low-point manholes?
- How will you address the issue of compensation for affected residents?
- When will this recurring problem be properly fixed?

Questions related to: Discharge Permit Non-Compliance

- Did AW breach its discharge permit again in 2023?
- If so, what enforcement action (if any?) will be taken by the Environment Agency?

Questions related to: WRC upgrade plan

- When & why was the 500m³/day Pre-Application dropped?
- When was the 540m³/day Pre-Application submitted?
- What is the purpose of (& potential benefits of) a *further* several month program of network flow monitoring?
- When will the Definitive Permit Application be signed-off?
- When will the WRC upgrade be completed?

Anglian Water Response to Questions...

- Village Flooding: 10 minutes
- Discharge Permit Non-Compliance: 5 minutes
- WRC Upgrade Plan: 10 minutes

Input from Environment Agency

- Positive recent engagement from Michael Neale (Essex Land and Water Compliance Team Leader)
- 75 minute LPC/EA videoconference call on 26th January

Input from Environment Agency - 1

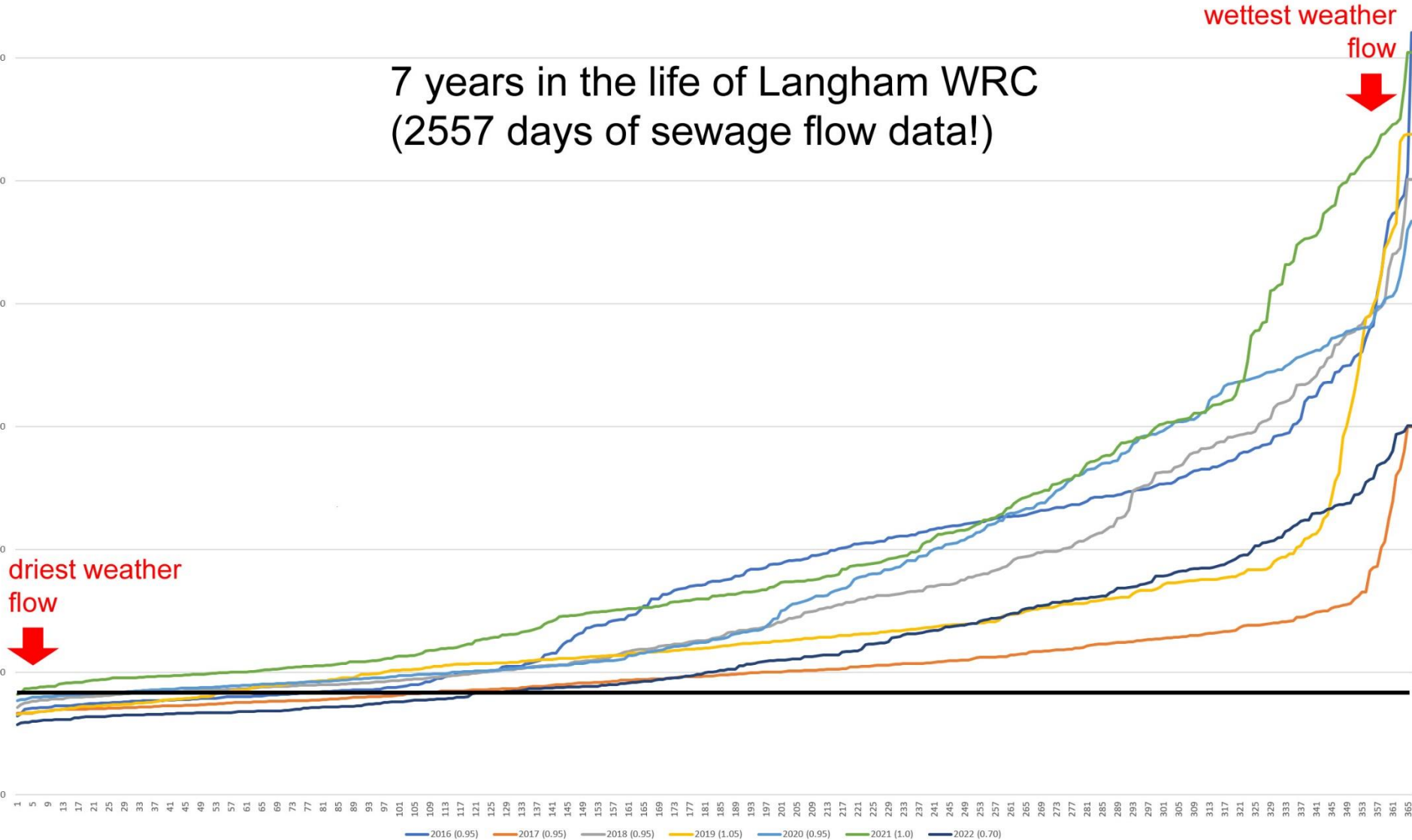
- EA assisted residents in escalating recent Chapel Road /Moor Road incident
- AW had classified it as non-urgent
- EA helpline secured re-classification as urgent/immediate
- Michael notes that no previous pumping station failures at Chapel Road have been logged on his systems...

Input from Environment Agency - 2

- Michael's team carries out random physical inspection checks of AW facilities across the region
- By chance, Langham WRC was inspected in December 2023
- Full report not yet available, but he observed “obvious signs of difficulties managing the flows”

Input from Environment Agency - 3

7 years in the life of Langham WRC
(2557 days of sewage flow data!)



Questions arising from Langham WRC Flow Data

- Designation as a “foul only” sewer rather than a “combined” sewer appears to be somewhat of a misnomer!
- Peak inputs at WRC can be up to 10x the base “foul” flow
- What actually happens at the WRC during such high input peaks?
- Could such high peaks cause the sewer network to back up, explaining the frequent flooding near to the Chapel Road pumping station?

A few interesting numbers from Anglian Water's Annual Performance Report 2023

- Total Revenue from customers: £1,494,936,000
- Nett interest paid on company debts: £711,397,000
- Dividends paid to shareholders: £169,000,000
- Total nett capex on infrastructure: £377,100,000
 - of which:
- Capex on WRC capacity upgrades: £6,574,000
- Capex to reduce property flooding: £6,722,000