

IN-PERSON EVENTS | Involving. Informing. Inspiring

CIWEM Urban Drainage Group Annual Conference 2022

8 – 10 November 2022 Hilton Birmingham Metropole

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Silent Industry to Proactive Engagement – Working with Society's Expectations

Keith Herbert, Clean Rivers and Seas Task Force



The water industry has historically being very good at being a quite supplier



Image credit Andrea Piacquadio

Basis for our approach

- 1. The strength of opinion has largely been underestimated, sucking in everyone into the debate.
- 2. This is generally, a poorly understood, technical problem.
- 3. The vast majority of communications to the public foul sewer are not controlled by water companies.
- 4. Very few people remain antagonistic towards water companies when they fully understand the matter.

Storm Overflows are provocative and out of step with what our customers expect

*** BBC

Southern Water: Campaigners protest against sewage leaks

in a statement. Southern Water said II welcomed the chance to engage with protesters. Dorothy MacEdo, chair of Unite Community Sussex Coast. 2 days ago

S Saturitive

Recap: Protesters surround Southern Water headquarters in Worthing

and West Southern Water: Geldof b payment campaign over s E END dumping 'The or

An incre bills due Singer and activist supports protest by Kent resi continued discharges into sea 3 days ag



(The C



D Bob Geldof totid residents of Whitstable, Kent: 'Don't pay your water bills to Southern Water.' Photograph: Jo Hale/Redferns

We know this won't be an overnight fix, but customers' expectations don't match industry timescales

That is why we need to:

ALC: NOTE: N



Build awareness of the challenges

Involve in the process

Be transparent









What are storm overflows? information about why we use por nation



Find out more



Find out more

Clean Rivers and Seas Task Force

- The task force is a dedicated team that is central to Southern Water's drive towards significantly reducing the use of storm overflows by 2030, and managing catchment flows.
- The task force is responsible for delivering in six pathfinder projects over the next two years. The task force will seek to establish strong partnerships to ensure their success.
- In parallel, we will build and deliver a regional plan to reduce storm releases between now and 2030.
- Weblink Storm Overflows (southernwater.co.uk)



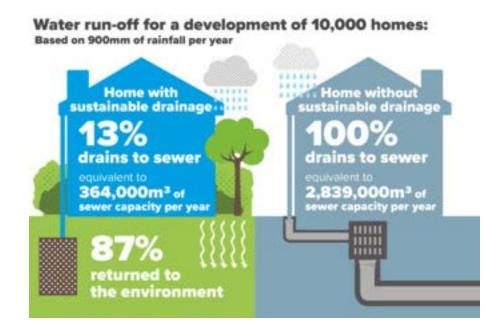
There are broadly 3 main types of intervention to reduce flooding and storm overflow use:

- 1. Source control (removing and slowing the flow of rain water) Rainwater harvesting, Permeable paving, Green roofs, Soakaways (includes tree pits), Rain garden (swales), Planters
- 2. Optimisation of existing infrastructure

Optimisation, tweaking of connected systems and interface, Different mechanical and electrical equipment (e.g. pumps), Improvements in pumping station and storm tank use and control, Smart network control with increased digitalisation

3. Build bigger infrastructure (building larger pipes, pumping stations, etc.)

Wetlands treatment (Groundwater), Sewer lining/sealing (Groundwater), Larger sewers, Large storm tanks, Large treatment works



What might the solutions look like?

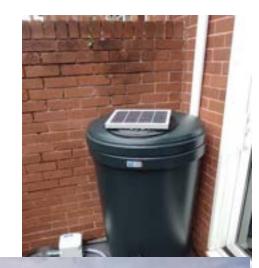














Sustainable solutions also have wider benefits.

Sustainable drainage

The risk of flooding and storm overflows can be reduced by slowing surface water runoff reaching the sewer. There are a number of ways we can do this...





Permeable paving Green roofs

Water Butts



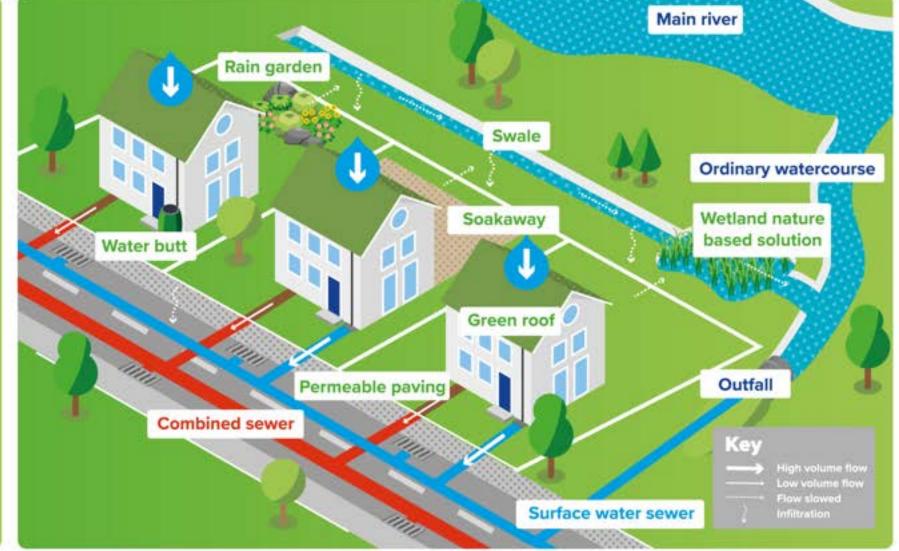


and soakaways

Rain gardens







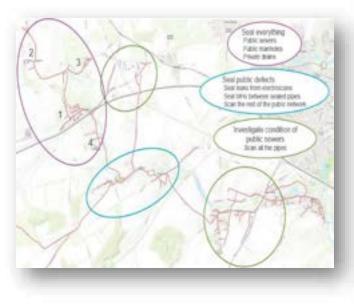
Transparency around releases and water quality

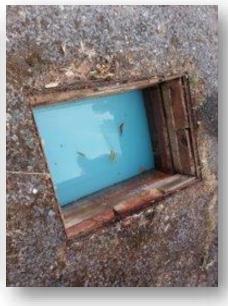




- Near real time release information only going one way.
- Improvements to link to water quality.
- Southern Water wants to understand water quality across the region, although we don't own it or the only contributor to water quality
- Two water quality testing buoys were launched into the sea in the summer 2022 – one off Tankerton shore and one off Hayling Island

Pan Parishes Groundwater infiltration and Tubogel





Havenstreet (Sandown) Surface water management



Partnerships





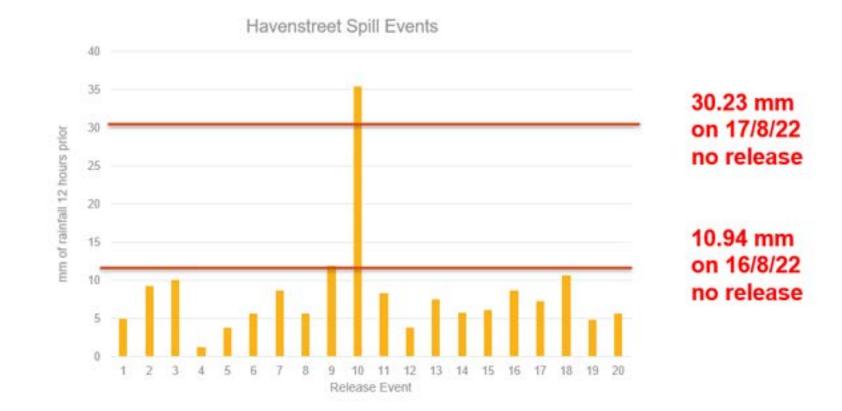
Department for Education





Havenstreet case study

- Sent a letter to residents
- Went door to door installing
- 184 visited
- 132 accepted
- 12 requested extra
- 72% acceptance rate
- £9225 for the purchase
- £6189 for installation
- £120 communications
- £15,534 total



In symmary

Engaging and working with the public will be fundamental to achieve solutions that benefit all.

Must create jargon free educational materials to help water companies move away from being the silent utility and instead build awareness of the challenges.

Must take a proactive approach with communities and collaborative – this will ensure expectations are ambitious but realistic

Ride out the storm – actions will rebuild trust and generate momentum, but it will take time



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Q&A Session

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