

Cinque Ports Rising Main - Update

01/09/22



from
**Southern
Water** 

Cinque Ports Rising Main – Redundant Main Inspection



CCTV completed



CCTV outstanding – due for completion end August 2022



Sampling Locations completed – Non destructive and destructive



Sampling Locations outstanding – Non destructive and destructive Scheduled for end August



Cinque Ports Rising Main – Next Steps

- Current plan is to use an existing redundant main as a temporary measure, to carry flows, whilst repairs are undertaken on the in-service 800mm rising main.
- The redundant main was installed in the 60's, spun iron material (in-service 800mm is constructed from Ductile Iron). The pipeline was decommissioned as part of the Urban wastewater treatment directive in the early 2000's when the pumping network was reconfigured to Bexhill and Hasting Treatment Works.
- Following the CCTV works, from 12th September 2022 we will be carrying out a pressure test on the redundant main, this is where we fill the main with water to pressurise it and we monitor for any leaks.
- We are investigating the use of Final Effluent (FE) rather than water, to test the pipeline. FE is the treated water we send back to the environment after the treatment process has been completed.
- The pressure test, CCTV works and testing of pipe samples will enable us to confirm the structural integrity of the main, and therefore determine if it can be reinstated.



Cinque Ports Rising Main – Next Steps

- To reinstate the redundant main, some sections may require lining. This is a non-disruptive maintenance approach, and does not require full excavation of the main.
- By the beginning of October 2022 we will be in a position to be able to identify the preferred solution of temporary mitigation. Use of the existing redundant main or an overland temporary pipeline.
- To reduce delivery timescales we are already in the process of detailing the connection design to connect the redundant main to the live network.
- Should we be able to use the existing redundant main we are planning to make all connections within the boundary of the Cinque Ports pumping station land and at Bulverhythe Tower to the west, limiting the impact.

