

Technical Inspection of**Hopes WTW, East Lothian****Date of Inspection****22-Aug-17****DWQR Staff Present****Matt Bower, Moira Malcolm****Scottish Water Staff Present (& Titles)**

Ian Skilling, David Hill, Elaine Noble, Mick Jones, Struan Robertson, Massimo Petrucci, Gillian?

Summary of Inspection

Hopes is an old, but functional water treatment works. The quality of water it produces is very good, although some elements of the infrastructure appear to be reaching the end of their life. The operation of the works is quite labour intensive. There is minimal online monitoring of the flocculation and filtration processes and management of the process is largely reliant on the considerable expertise of operational staff who appear highly knowledgeable about the process. Quality trends through two of the filters are giving some cause for concern - operators have responded by reducing the flow through these filters, but the situation warrants further investigation. Assessment of the relative flow through each filter, which is currently unknown may help with this. The treatment works is very well managed and was extremely organised and tidy. All major tasks were being completed diligently - scheduled raw water quality checks are somewhat limited, and by improving this there may be an opportunity to make process changes less dependant on monitoring the performance of the filters and therefore less reactive.