

# **TA 2.6 Legal Instruments (WINEP and DWI Notices) Technical Annex**

September 2018  
Version 1.0

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## Navigation: TA 2.6 – Legal instruments

### Purpose:

This Technical Annex (TA) sets out the legal instruments issued by the Drinking Water Inspectorate and Environment Agency in regards to AMP7. It comprises part of the supporting evidence for Chapter 2 - Trust, Confidence, and Assurance.

The table below summarises the Ofwat tests that are addressed by the evidence presented in this Annex

**Table 1 - Relevant Ofwat tests**

Ref	Ofwat test		Comment
<b>Primary Focus Areas</b>			
Securing confidence and assurance – CA4	To what extent has the company's full Board provided comprehensive assurance to demonstrate that the business plan will deliver – and that the Board will monitor delivery of – its outcomes (which should meet relevant statutory requirements and licence obligations and take account of the UK and Welsh Governments' strategic policy statements)?	<p>High-quality plan:</p> <ul style="list-style-type: none"> <li>◦ the Board will provide assurance, supported by evidence that the business plan is of high quality and has been challenged accordingly.</li> <li>◦ the Board will provide assurance that that the company has identified relevant operational, financial and corporate risks and taken a balanced approach to managing them.</li> <li>◦ the plan will provide assurance that we will deliver and monitor delivery of outcomes, meet relevant statutory requirements and licence obligations and take account of the UK and Welsh Government strategic policy statements.</li> <li>◦ provide a high-quality data submission, including evidence of the assurance process demonstrating how it has addressed issues identified in previous company monitoring framework (CMF) assessments to the extent they are relevant to the business plan.</li> <li>◦ the PR19 business table submission – including the allocation of costs between business units, assurance of the tables and any commentary on the tables will be consistent, accurate and assured.</li> </ul>	<p>This technical annex provides copies of the following DWI issued documents:</p> <p>Final decision letters in support of our proposed AMP7 investment to protect water quality</p> <p>Existing Notices, Undertakings and Enforcement orders that continue into AMP7</p> <p>This technical annex also provides details of the Water Industry National Improvement Plan (WINEP) issued by the Environment Agency</p>
<b>Secondary Focus Areas</b>			
CE1, CE2	Securing cost efficiency		

## Executive Summary

This Technical Annex (TA) sets out the legal instruments issued by the Drinking Water Inspectorate and Environment Agency with regard to AMP7. It comprises part of the supporting evidence for Chapter 2 - Trust, Confidence, and Assurance.

Our detailed plans to meet these additional statutory requirements and licence obligations are captured throughout our Wholesale Water and Wholesale Wastewater plans.

## Drinking Water Inspectorate

### Summary of current obligations

Table 1 summarises our agreed DWI improvement programme. This is taken from <http://www.dwi.gov.uk/stakeholders/improvement-programmes/list.htm#srnimp> and is current as of 28/08/18.

**Table 2 - Summary of DWI improvement programme**

Southern Water DWI Improvement Programme		
Undertakings		
Location	Parameter	Completion date
[REDACTED] (PDF 32KB)	Iron and discolouration	31/05/2020 (AMP6)
[REDACTED] (PDF 36KB)	Pesticides including metaldehyde, 2,4-D, Mecropop, MCPA and glyphosate	31/03/2020
[REDACTED]	Nitrates	31/03/2020
Notices		
Location	Parameter	Completion date
[REDACTED]	Chlorine	30/04/2016
[REDACTED]	Taste and odour, pesticides and disinfection by-products	30/04/2019 (AMP6)
[REDACTED]	Taste and odour, pesticides and disinfection by-products	N/A (AMP6)
[REDACTED]	Resilience, discolouration and loss of supplies	31/01/2020
[REDACTED]	Nitrate	30/04/2019
[REDACTED]	Iron, Manganese and Turbidity	31/01/2032

## Southern Water DWI Improvement Programme

[REDACTED]	Nitrate	01/12/2018
[REDACTED]	<i>Coliform bacteria</i> including <i>E. coli</i> , and <i>Clostridium perfringens</i>	30/06/2020
[REDACTED]	Risk assessments	31/10/2018
[REDACTED]	<i>Cryptosporidium</i> , Turbidity, Pathogens/bacteria, Taste & Odour	31/01/2024
[REDACTED]	<i>Cryptosporidium</i> , Pathogens/bacteria	31/01/2020
[REDACTED]	<i>Cryptosporidium</i> , Pathogens/bacteria, coagulation failure	31/03/2026
[REDACTED]	Bacteria and parasites, loss of supplies	31/12/2026
[REDACTED]	<i>Cryptosporidium</i> , bacteria	30/06/2020
[REDACTED]	<i>Cryptosporidium</i> , bacteria	30/06/2020
[REDACTED]	Pathogenic protozoa, Pathogenic bacteria, taste and odour, pH, insufficient water supply	31/03/2026
[REDACTED]	Public Health Training and Culture	31/10/2022
[REDACTED]	Turbidity	31/12/2018
[REDACTED]	Nickel	30/09/2018

### Enforcement Orders

Location	Parameter	Completion date
[REDACTED]	Compliance from nitrate concentrations in raw water	N/A
[REDACTED]	Compliance with The Water Industry (Suppliers' Information) Direction 2012	N/A

## Future obligations

We have complied with the DWI Guidance note on “Long term planning for the quality of drinking water supplies”. As part of this process we submitted our proposals for new improvement schemes to DWI in December 2017. These were reviewed by DWI and the following final decision letters issued in May 2018. These decision letters will be translated into formal Notices by December 2018.



Scheme Name/Name of Investigation/Site Name/License name	Driver Code (Primary)	Completion Date (DD/MM/YY)	Level of Certainty? (P=Purple, R=Red, A=Amber, G=Green)
[REDACTED]	WFDGW_NDINV_GWQ	31/03/2022	Green
[REDACTED]	DrWPA_INV	31/03/2022	Green
[REDACTED]	WFDGW_NDINV_GWQ	31/03/2022	Green
[REDACTED]	WFDGW_NDINV_GWQ	31/03/2022	Green
[REDACTED]	DrWPA_INV	31/03/2022	Green
[REDACTED]	WFDGW_NDINV_GWQ	31/03/2022	Green
[REDACTED]	DrWPA_INV	31/03/2022	Green
[REDACTED]	DrWPA_INV	31/03/2022	Green
[REDACTED]	DrWPA_ND	22/12/2024	Green
[REDACTED]	DrWPA_ND	22/12/2024	Green
[REDACTED]	DrWPA_ND	22/12/2024	Green
[REDACTED]	DrWPA_ND	22/12/2024	Green
[REDACTED]	DrWPA_ND	22/12/2024	Green
[REDACTED]	DrWPA_ND	22/12/2024	Green
[REDACTED]	DrWPA_ND	22/12/2024	Green
[REDACTED]	DrWPA_ND	22/12/2024	Green
[REDACTED]	DrWPA_ND	22/12/2024	Green
[REDACTED]	DrWPA_ND	22/12/2024	Green
[REDACTED]	DrWPA_ND	22/12/2024	Green
[REDACTED]	DrWPA_ND	22/12/2024	Green
[REDACTED]	DrWPA_ND	22/12/2024	Green



Scheme Name/Name of Investigation/Site Name/License name	Driver Code (Primary)	Completion Date (DD/MM/YY)	Level of Certainty? (P=Purple, R=Red, A=Amber, G=Green)
[REDACTED]	DrWPA_ND	22/12/2024	Green
[REDACTED]	DrWPA_ND	22/12/2024	Green
[REDACTED]	DrWPA_ND	22/12/2024	Green
[REDACTED]	DrWPA_ND	22/12/2024	Green
[REDACTED]	DrWPA_ND	22/12/2024	Green
[REDACTED]	DrWPA_ND	22/12/2024	Green
[REDACTED]	DrWPA_ND	22/12/2024	Green
[REDACTED]	DrWPA_ND	22/12/2024	Green
[REDACTED]	DrWPA_ND	22/12/2024	Green
[REDACTED]	DrWPA_ND	22/12/2024	Green
[REDACTED]	BW_IMP1	31/03/2021	Green
[REDACTED]	BW_IMP2	31/03/2021	Green
[REDACTED]	BW_IMP3	31/03/2025	Green
[REDACTED]	BW_INV1	30/09/2021	Green
[REDACTED]	BW_INV2	30/09/2021	Green
[REDACTED]	BW_INV3	30/09/2021	Green
[REDACTED]	BW_INV4	30/09/2021	Amber
[REDACTED]	BW_ND	31/03/2022	Green
[REDACTED]	BW_NDINV	30/09/2021	Green
[REDACTED]	SW_IMP	31/03/2025	Green
[REDACTED]	SW_INV1	30/09/2021	Green



Scheme Name/Name of Investigation/Site Name/License name	Driver Code (Primary)	Completion Date (DD/MM/YY)	Level of Certainty? (P=Purple, R=Red, A=Amber, G=Green)
[REDACTED]	WFD_NDINV_WRFlow	31/03/2022	Green
[REDACTED]	WFD_NDINV_WRFlow	31/03/2022	Green
[REDACTED]	WFD_NDINV_WRFlow	31/03/2022	Green
[REDACTED]	WFD_NDINV_WRFlow	31/03/2022	Green
[REDACTED]	WFD_IMP_WRFlow	31/03/2022	Amber
[REDACTED]	WFD_IMP_WRFlow	31/03/2022	Amber
[REDACTED]	WFD_NDINV_WRFlow	31/03/2022	Green
[REDACTED]	WFD_NDINV_WRFlow	31/03/2022	Green
[REDACTED]	WFD_NDINV_WRFlow	31/03/2025	Green
[REDACTED]	WFD_NDINV_WRFlow	31/03/2025	Green
[REDACTED]	WFD_NDINV_WRFlow	31/03/2022	Green
[REDACTED]	WFD_NDINV_WRFlow	31/03/2022	Green
[REDACTED]	WFD_ND_WRFlow	22/12/2024	Green
[REDACTED]	WFD_NDINV_WRFlow	31/03/2022	Green
[REDACTED]	WFD_NDINV_WRFlow	31/03/2022	Green
[REDACTED]	WFD_NDINV_WRFlow	31/03/2025	Green
[REDACTED]	WFD_NDINV_WRFlow	31/03/2025	Green
[REDACTED]	WFD_NDINV_WRFlow	31/03/2025	Green
[REDACTED]	WFD_NDINV_WRFlow	31/03/2025	Green
[REDACTED]	WFD_NDINV_WRFlow	31/03/2022	Green
[REDACTED]	WFD_NDINV_WRFlow	31/03/2022	Green
[REDACTED]	WFD_ND_WRFlow	22/12/2024	Green
[REDACTED]	WFD_NDINV_WRFlow	31/03/2022	Green
[REDACTED]	WFD_NDINV_WRFlow	31/03/2022	Green
[REDACTED]	WFD_NDINV_WRFlow	31/03/2025	Green
[REDACTED]	WFD_NDINV_WRFlow	31/03/2022	Green
[REDACTED]	WFD_NDINV_WRFlow	31/03/2022	Green



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[REDACTED]	WFD_NDINV_WRFlow	31/03/2022	Green
[REDACTED]	WFD_NDINV_WRFlow	31/03/2022	Green
[REDACTED]	WFD_NDINV_WRFlow	31/03/2022	Green
[REDACTED]	WFD_NDINV_WRFlow	31/03/2022	Green
[REDACTED]	WFD_ND_WRFlow	22/12/2024	Green
[REDACTED]	WFD_NDINV_WRFlow	31/03/2022	Green
[REDACTED]	WFD_NDINV_WRFlow	31/03/2022	Green
[REDACTED]	WFD_NDINV_WRFlow	31/03/2022	Green
[REDACTED]	WFD_NDINV_WRFlow	31/03/2022	Green
[REDACTED]	WFD_NDINV_WRFlow	31/03/2025	Green
[REDACTED]	WFD_NDINV_WRFlow	31/03/2025	Green
[REDACTED]	WFD_NDINV_WRFlow	31/03/2022	Green
[REDACTED]	WFD_NDINV_WRFlow	31/03/2022	Green
[REDACTED]	WFD_NDINV_WRFlow	31/03/2022	Green
[REDACTED]	WFD_NDINV_WRFlow	31/03/2022	Green
[REDACTED]	WFD_ND_WRFlow	22/12/2024	Green
[REDACTED]	WFD_NDINV_WRFlow	31/03/2022	Green
[REDACTED]	WFD_NDINV_WRFlow	31/03/2022	Green
[REDACTED]	WFD_NDINV_WRFlow	31/03/2022	Green
[REDACTED]	WFD_NDINV_WRFlow	31/03/2022	Green
[REDACTED]	HD_INV	31/03/2022	Green
[REDACTED]	WFD_NDINV_WRFlow	31/03/2022	Green
[REDACTED]	WFD_NDINV_WRFlow	31/03/2022	Green
[REDACTED]	WFD_NDINV_WRFlow	31/03/2022	Green
[REDACTED]	WFD_NDINV_WRFlow	31/03/2022	Green
[REDACTED]	WFD_NDINV_WRFlow	31/03/2022	Green
[REDACTED]	WFD_NDINV_WRFlow	31/03/2022	Green



Scheme Name/Name of Investigation/Site Name/License name	Driver Code (Primary)	Completion Date (DD/MM/YY)	Level of Certainty? (P=Purple, R=Red, A=Amber, G=Green)
[REDACTED]	HD_INV	31/03/2022	Green
[REDACTED]	SSSI_INV	31/03/2022	Green
[REDACTED]	NERC_INV2	31/03/2022	Green
[REDACTED]	NERC_INV2	31/03/2022	Green
[REDACTED]	SSSI_INV	31/03/2022	Green
[REDACTED]	HD_IMP	31/03/2021	Green
[REDACTED]	MCZ_INV	30/09/2021	Green
[REDACTED]	HD_INV	31/03/2022	Green
[REDACTED]	SSSI_INV	31/03/2022	Green
[REDACTED]	SSSI_INV	31/03/2022	Amber

Scheme Name/Name of Investigation/Site Name/License name	Driver Code (Primary)	Completion Date (DD/MM/YY)	Level of Certainty? (P=Purple, R=Red, A=Amber, G=Green)
[REDACTED]	SSSI_INV	31/03/2022	Green
[REDACTED]	SSSI_INV	31/03/2022	Green
[REDACTED]	NERC_INV1	31/03/2022	Amber
[REDACTED]	HD_INV	31/03/2022	Green
[REDACTED]	NERC_INV1	31/03/2022	Amber
[REDACTED]	INNS_INV	31/03/2022	Green
[REDACTED]	INNS_INV	31/03/2022	Green
[REDACTED]	INNS_ND	31/03/2025	Green
[REDACTED]	SSSI_INV	31/03/2022	Green
[REDACTED]	MCZ_INV	30/09/2021	Green
[REDACTED]	WFD_IMPg	22/12/2024	Amber
[REDACTED]	WFD_IMPg	22/12/2024	Amber

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[REDACTED]	WFD_ND	22/12/2021	Green
[REDACTED]	WFD_ND	31/03/2025	Green
[REDACTED]	WFD_ND	31/03/2025	Green
[REDACTED]	WFD_ND	31/03/2025	Green
[REDACTED]	WFD_ND	31/03/2025	Green
[REDACTED]	WFD_ND	31/03/2025	Green
[REDACTED]	WFD_ND	31/03/2025	Green
[REDACTED]	WFD_ND	31/03/2025	Green
[REDACTED]	WFD_ND	31/03/2025	Green
[REDACTED]	WFD_ND	31/03/2025	Green
[REDACTED]	WFD_ND	31/03/2025	Green
[REDACTED]	WFD_ND	31/03/2025	Green
[REDACTED]	HD_IMP	22/12/2021	Green
[REDACTED]	HD_IMP	22/12/2021	Green
[REDACTED]	WFD_IMPm	22/12/2021	Green
[REDACTED]	WFD_IMPg	22/12/2021	Green
[REDACTED]	WFD_IMPg	22/12/2024	Amber
[REDACTED]	WFD_IMPg	22/12/2024	Amber
[REDACTED]	WFD_IMPg	22/12/2024	Amber
[REDACTED]	WFD_IMPg	22/12/2021	Green
[REDACTED]	WFD_IMPg	22/12/2024	Amber
[REDACTED]	WFD_IMPg	22/12/2024	Amber
[REDACTED]	WFD_IMPg	22/12/2024	Amber
[REDACTED]	WFD_IMPg	22/12/2024	Amber
[REDACTED]	WFD_IMPg	22/12/2024	Amber
[REDACTED]	WFD_IMPg	22/12/2024	Amber
[REDACTED]	WFD_IMPg	22/12/2024	Amber
[REDACTED]	WFD_IMPg	22/12/2024	Amber
[REDACTED]	WFD_IMPg	22/12/2024	Amber
[REDACTED]	WFD_IMPg	22/12/2021	Green
[REDACTED]	WFD_IMPg	22/12/2024	Amber
[REDACTED]	WFD_IMPg	22/12/2024	Amber
[REDACTED]	WFD_IMPg	22/12/2021	Green
[REDACTED]	WFD_IMPg	22/12/2024	Amber
[REDACTED]	WFD_IMPg	22/12/2024	Amber
[REDACTED]	WFD_IMPm	22/12/2024	Amber
[REDACTED]	WFD_IMPg	22/12/2024	Amber







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[REDACTED]	WFDGW_NDINV_GWR	31/03/2022	Green
[REDACTED]	WFD_IMPg	31/12/2021	Green
[REDACTED]	WFD_IMPg	31/12/2021	Green
[REDACTED]	WFD_IMPg	31/12/2021	Green
[REDACTED]	WFD_INV_WRHMWB	31/03/2022	Green
[REDACTED]	BW_NDINV	30/09/2021	Green
[REDACTED]	BW_INV1	30/09/2021	Green
[REDACTED]	DrWPA_INV	31/03/2022	Green
[REDACTED]	DrWPA_INV	31/03/2022	Green
[REDACTED]	DrWPA_INV	31/03/2022	Green
[REDACTED]	WFDGW_NDINV_GWQ	30/09/2021	Green
[REDACTED]	WFDGW_NDINV_GWQ	30/09/2021	Green
[REDACTED]	DrWPA_INV	31/03/2022	Green
[REDACTED]	DrWPA_INV	31/03/2022	Green
[REDACTED]	DrWPA_INV	31/03/2022	Green
[REDACTED]	DrWPA_INV	31/03/2022	Green
[REDACTED]	DrWPA_INV	31/03/2022	Green
[REDACTED]	DrWPA_INV	31/03/2022	Green
[REDACTED]	INNS_ND	31/03/2025	Amber
[REDACTED]	SSSI_INV	31/03/2022	Green
[REDACTED]	DrWPA_INV	31/03/2022	Green
[REDACTED]	DrWPA_ND	22/12/2024	Green
[REDACTED]	WFD_INV	30/09/2021	Green
[REDACTED]	WFD_INV	30/09/2021	Green

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[REDACTED]	WFD_INV	30/09/2021	Green
[REDACTED]	WFD_INV	30/09/2021	Green
[REDACTED]	U_IMP1	31/03/2025	Green
[REDACTED]	U_IMP1	31/03/2025	Green
[REDACTED]	U_IMP1	31/03/2025	Green
[REDACTED]	U_IMP1	31/03/2025	Green
[REDACTED]	U_IMP1	31/03/2025	Green
[REDACTED]	WFD_ND	31/03/2025	Green
[REDACTED]	WFD_ND	31/03/2025	Green
[REDACTED]	WFD_ND	31/03/2025	Green
[REDACTED]	WFD_ND	31/03/2025	Green
[REDACTED]	WFD_ND	31/03/2025	Green
[REDACTED]	WFD_ND	31/03/2025	Green
[REDACTED]	WFD_ND	31/03/2025	Green
[REDACTED]	WFD_IMPg	22/12/2024	Amber
[REDACTED]	WFD_IMPg	22/12/2024	Amber
[REDACTED]	WFD_IMPm	22/12/2024	Amber
[REDACTED]	WFD_IMPg	22/12/2024	Amber
[REDACTED]	WFD_IMPg	22/12/2024	Amber
[REDACTED]	WFD_IMPg	22/12/2024	Amber
[REDACTED]	WFD_IMPg	22/12/2024	Amber
[REDACTED]	WFD_IMPg	22/12/2024	Amber
[REDACTED]	WFD_IMPg	22/12/2024	Amber
[REDACTED]	WFD_IMPg	22/12/2024	Amber
[REDACTED]	WFD_IMPg	22/12/2024	Amber
[REDACTED]	WFD_INV	30/09/2021	Green
[REDACTED]	WFD_INV	30/09/2021	Green
[REDACTED]	WFD_INV	30/09/2021	Green
[REDACTED]	WFD_IMPg	22/12/2024	Amber
[REDACTED]	WFD_IMPg	22/12/2024	Amber
[REDACTED]	WFD_IMPg	22/12/2024	Amber
[REDACTED]	WFD_IMPg	22/12/2024	Amber
[REDACTED]	WFD_IMPg	22/12/2024	Amber





Scheme Name/Name of Investigation/Site Name/License name	Driver Code (Primary)	Completion Date (DD/MM/YY)	Level of Certainty? (P=Purple, R=Red, A=Amber, G=Green)
[REDACTED]	DrWPA_ND	22/12/2024	Green
[REDACTED]	WFDGW_ND_GWQ	22/12/2024	Green
[REDACTED]	WFD_INV	30/09/2021	Green
[REDACTED]	WFD_INV_WRHMWB	31/03/2022	Green
[REDACTED]	WFD_INV_WRHMWB	31/03/2022	Green
[REDACTED]	WFD_INV_WRHMWB	31/03/2022	Green
[REDACTED]	WFD_INV_WRHMWB	31/03/2022	Green
[REDACTED]	DrWPA_ND	22/12/2024	Green
[REDACTED]	WFD_IMPg	22/12/2024	Amber
[REDACTED]	WFD_IMPm	22/12/2024	Amber
[REDACTED]	WFD_IMPg	22/12/2024	Amber
[REDACTED]	WFDGW_NDINV_GWR	31/03/2022	Green
[REDACTED]	WFD_ND	31/03/2025	Green
[REDACTED]	WFD_ND	31/03/2025	Green
[REDACTED]	WFD_ND	31/03/2025	Green
[REDACTED]	WFD_ND	31/03/2025	Green
[REDACTED]	WFD_ND	31/03/2025	Green
[REDACTED]	WFD_ND	31/03/2025	Green
[REDACTED]	WFD_ND	31/03/2025	Green
[REDACTED]	WFD_ND	31/03/2025	Green
[REDACTED]	WFD_ND	31/03/2025	Green
[REDACTED]	WFD_ND	31/03/2025	Green
[REDACTED]	WFD_INV_WRHMWB	31/03/2022	Green
[REDACTED]	WFD_INV_WRFlow	30/09/2021	Green
[REDACTED]	U_MON1	31/03/2021	Green
[REDACTED]	U_MON1	31/03/2021	Green





















Scheme Name/Name of Investigation/Site Name/License name	Driver Code (Primary)	Completion Date (DD/MM/YY)	Level of Certainty? (P=Purple, R=Red, A=Amber, G=Green)
[REDACTED]	U_INV	31/03/2025	Green
[REDACTED]	U_IMP4	31/03/2025 evenly phased	Green
[REDACTED]	WFD_INV_CHEM7	30/09/2021	Green
[REDACTED]	WFD_INV_CHEM11	30/09/2021	Green
[REDACTED]	WFD_INV_CHEM13	30/09/2021	Green
[REDACTED]	WFD_INV_CHEM9	30/09/2021	Green
[REDACTED]	WFD_INV_CHEM10	30/09/2021	Green
[REDACTED]	WFD_INV_CHEM9	30/09/2021	Green
[REDACTED]	WFD_INV_CHEM13	30/09/2021	Green
[REDACTED]	WFD_INV_CHEM6	30/09/2021	Green
[REDACTED]	WFD_NDLS_Chem2	22/12/2022	Green
[REDACTED]	WFD_INV_CHEM11	30/09/2021	Green
[REDACTED]	WFD_MON_CHEM	31/03/2025	Green
[REDACTED]	WFD_INV_CHEM14	30/09/2021	Green
[REDACTED]	WFD_INV_CHEM3	30/09/2021	Green
[REDACTED]	WFD_INV_CHEM5	30/09/2021	Green
[REDACTED]	WFD_IMP_CHEM	31/12/2024	Amber
[REDACTED]	WFD_NDLS_CHEM1	22/12/2022	Green
[REDACTED]	WFD_INV_CHEM10	30/09/2021	Green
[REDACTED]	WFD_INV_CHEM9	30/09/2021	Green
[REDACTED]	WFD_INV_CHEM1	30/09/2021	Green
[REDACTED]	WFD_NDLS_Chem1	22/12/2022	Green
[REDACTED]	WFD_NDLS_Chem1	22/12/2022	Green
[REDACTED]	WFD_ND	22/12/2024	Green
[REDACTED]	WFD_NDLS_Chem2	22/12/2022	Green
[REDACTED]	WFD_INV_CHEM1	30/09/2021	Green
[REDACTED]	WFD_INV_CHEM1	30/09/2021	Green
[REDACTED]	WFD_INV_CHEM12	30/09/2021	Green
[REDACTED]	WFD_INV_CHEM2	30/09/2021	Green

Scheme Name/Name of Investigation/Site Name/License name	Driver Code (Primary)	Completion Date (DD/MM/YY)	Level of Certainty? (P=Purple, R=Red, A=Amber, G=Green)
[REDACTED]	WFD_MON_CHEM	31/03/2025	Green
[REDACTED]	WFD_INV_CHEM14	30/09/2021	Green
[REDACTED]	WFD_INV_CHEM1	30/09/2021	Green
[REDACTED]	WFD_INV_CHEM1	30/09/2021	Green
[REDACTED]	WFD_INV_CHEM1	30/09/2021	Green
[REDACTED]	WFD_INV_CHEM2	30/09/2021	Green
[REDACTED]	WFD_INV_CHEM8	30/09/2021	Green
[REDACTED]	WFD_INV_CHEM10	30/09/2021	Green
[REDACTED]	WFD_INV_CHEM1	30/09/2021	Green
[REDACTED]	WFD_INV_CHEM1	30/09/2021	Green
[REDACTED]	WFD_NDLS_Chem2	22/12/2022	Green
[REDACTED]	WFD_INV_CHEM2	30/09/2021	Green
[REDACTED]	WFD_MON_CHEM	31/03/2025	Green
[REDACTED]	WFD_MON_CHEM	31/03/2025	Green
[REDACTED]	WFD_INV_CHEM9	30/09/2021	Green
[REDACTED]	WFD_INV_CHEM6	30/09/2021	Green
[REDACTED]	WFD_NDLS_Chem2	22/12/2022	Green
[REDACTED]	WFD_MON_CHEM	31/03/2025	Green
[REDACTED]	WFD_INV_CHEM11	30/09/2021	Green
[REDACTED]	WFD_NDLS_Chem2	22/12/2022	Green
[REDACTED]	WFD_INV_CHEM10	30/09/2021	Green
[REDACTED]	WFD_INV_CHEM11	30/09/2021	Green
[REDACTED]	WFD_INV_CHEM14	30/09/2021	Green
[REDACTED]	WFD_INV_CHEM1	30/09/2021	Green
[REDACTED]	WFD_INV_CHEM2	30/09/2021	Green
[REDACTED]	WFD_INV_CHEM11	30/09/2021	Green
[REDACTED]	BW_INV4	30/09/2021	Amber
[REDACTED]	BW_INV4	30/09/2021	Amber
[REDACTED]	BW_INV4	30/09/2021	Amber
[REDACTED]	BW_INV4	30/09/2021	Amber



Scheme Name/Name of Investigation/Site Name/License name	Driver Code (Primary)	Completion Date (DD/MM/YY)	Level of Certainty? (P=Purple, R=Red, A=Amber, G=Green)
[REDACTED]	BW_INV4	30/09/2021	Amber
[REDACTED]	BW_INV4	30/09/2021	Amber
[REDACTED]	BW_INV4	30/09/2021	Amber
[REDACTED]	BW_INV4	30/09/2021	Amber
[REDACTED]	BW_INV4	30/09/2021	Amber
[REDACTED]	U_IMP5	31/03/2025 evenly phased	Green
[REDACTED]	U_IMP6	31/03/2025	Green
[REDACTED]	U_MON3	31/03/2025	Green
[REDACTED]	U_MON4	31/03/2025	Green

# Appendix 1 – Final DWI Decision Letters

Copies of final decision letters received from DWI.



guardians of drinking water quality

## DRINKING WATER INSPECTORATE

Area 1A  
Nobel House  
17 Smith Square London  
SW1P 3JR

Enquiries: 030 0068 6400

E-mail: [milo.purcell@defra.gsi.gov.uk](mailto:milo.purcell@defra.gsi.gov.uk)

DWI Website: <http://www.dwi.gov.uk>

30 May 2018

Ian McAulay  
Chief Executive  
Southern Water Services Ltd.  
Southern House  
Yeoman Road  
Worthing  
West Sussex  
BN13 3NX

Dear Mr McAulay,

### **PERIODIC REVIEW 2019: Southern Water Services Ltd.**

**DWI Scheme reference: [REDACTED] 3 – Brighton - Nitrate**

### **FINAL DECISION LETTER**

The Inspectorate has completed its detailed assessment of the scheme proposed by Southern Water to provide catchment management to secure or facilitate compliance with the Nitrate standard for drinking water quality reasons in the Brighton catchment.

The detailed assessment also took in to consideration the outcome of the risk assessment reports submitted to the Inspectorate as required by regulation 28(1) of the Water Supply (Water Quality) Regulations 2016 for the [REDACTED].

A summary of the outcome of our assessment of this scheme is attached. Based on the information submitted by the Company, the Inspectorate supports the need for a scheme to reduce Nitrate concentrations in treated water for water quality reasons, and the supported scheme shall be included by the Company in its Final Business Plan, subject to the caveats listed in the attachment.

In this instance the Inspectorate intends to issue a Notice under Regulation 28(4) of the Water Supply (Water Quality) Regulations 2016 for the purposes of securing or facilitating compliance with Regulation 4 of the regulations.

It is expected that the Company will continue to monitor treated water Nitrate concentrations, and that it will take all reasonable steps to prevent contraventions of the Nitrate standard.

I am copying this letter to:

- Jon Ashley and Kevin Ridout at Ofwat;
- Elinor Smith and John Collins at the Environment Agency;
- Tony Redmond (CCW Chair, London and South East)
- Anna Bradley (Chair of Customer Challenge Group)

Please contact Sue Pennison (Sue.Pennison@defra.gsi.gov.uk) with any queries relating to this letter.

Yours sincerely

A handwritten signature in black ink that reads "Milo Purcell". The signature is written in a cursive style.

**Milo Purcell**

Deputy Chief Inspector



	<p>for catchment investigations to identify sources of Nitrate leading to an action plan for meeting the drinking water standard(s) at the sites listed above.</p> <p>Schemes that require a legal instrument are considered necessary to meet statutory drinking water quality requirements. These schemes will be transposed to formal programmes of work by DWI as soon as possible and their implementation and completion will be monitored, audited and closure confirmed by DWI.</p>
--	---



guardians of drinking water quality

## DRINKING WATER INSPECTORATE

Area 1A  
Nobel House  
17 Smith Square London  
SW1P 3JR

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E-mail: [milo.purcell@defra.gsi.gov.uk](mailto:milo.purcell@defra.gsi.gov.uk)  
DWI Website: <http://www.dwi.gov.uk>

30 May 2018

Mr Ian McAulay  
Chief Executive  
Southern Water Services Ltd.  
Southern House  
Yeoman Road  
Worthing  
West Sussex  
BN13 3NX

Dear Ian,

### **PERIODIC REVIEW 2019: Southern Water Services Ltd.**

**DWI Scheme reference: [REDACTED] – Bacteria, *Cryptosporidium*, turbidity, disinfection**

### **FINAL DECISION LETTER**

The Inspectorate has completed its detailed assessment of the scheme proposed by Southern Water to provide treatment facilities to secure or facilitate compliance with the standards for drinking water quality reasons in the Southampton area.

The detailed assessment also took in to consideration the outcome of the risk assessment reports submitted to the Inspectorate as required by regulation 28(1) of the Water Supply (Water Quality) Regulations 2016 for [REDACTED]

A summary of the outcome of our assessment of this scheme is attached. Based on the information submitted by the Company, the Inspectorate supports the need for a scheme to improve water treatment facilities for water quality reasons, and the supported scheme shall be included by the Company in its Final Business Plan, subject to the caveats listed in the attachment.

In this instance the Inspectorate has served a Notice under Regulation 28(4) of the Water Supply (Water Quality) Regulations 2016, which requires the Company to mitigate the risks identified as a potential danger to human health from the water supplied from [REDACTED]

It is expected that the Company will continue to monitor the treated water, and that it will take all reasonable steps to prevent contraventions of the regulatory standards.

I am copying this letter to:

- Jon Ashley and Kevin Ridout at Ofwat;
- Elinor Smith and John Collins at the Environment Agency;
- Tony Redmond (CCW Chair, London and South East)
- Anna Bradley (Chair of Customer Challenge Group)

Please contact Sue Pennison ([Sue.Pennison@defra.gsi.gov.uk](mailto:Sue.Pennison@defra.gsi.gov.uk)) with any queries relating to this letter.

Yours sincerely



Milo Purcell  
Deputy Chief Inspector

PERIODIC REVIEW 2019

SUMMARY OF DWI ASSESSMENT – LETTER OF SUPPORT

<b>Comment</b>					
<b><u>Water company:</u></b>	Southern Water Services Ltd.				
<b><u>DWI scheme reference(s):</u></b>	████████				
<b><u>Scheme name:</u></b>	██████████ – Various parameters				
<b><u>Proposal:</u></b>	Refurbishment (and reconstruction where required) of ██████████ ██████████ ██████████ to secure or facilitate compliance with the regulatory standards for drinking water quality reasons.				
<b><u>Supporting evidence:</u></b>	<p>Risk assessment report as follows;</p> <table border="1" style="margin-left: 20px;"> <thead> <tr> <th style="text-align: left;">Site</th> <th style="text-align: left;">Assessed</th> </tr> </thead> <tbody> <tr> <td>██████████</td> <td>21 November 2017</td> </tr> </tbody> </table> <p>Letter reference 28 December 2017 from Ian McAulay.</p>	Site	Assessed	██████████	21 November 2017
Site	Assessed				
██████████	21 November 2017				
<b><u>Conclusion:</u></b>	<p>Subject to the caveats listed below, the Inspectorate supports the need for the following scheme:</p> <p>Refurbishment (and reconstruction where required) of Testwood water treatment works.</p>				
<b><u>Timescale:</u></b>	Completion date: 31 December 2025				
<b><u>Estimated cost:</u></b>	Estimated capital costs: £36.8m CAPEX				
<b><u>Legal Instrument Required:</u></b>	Notice under Regulation 28 (4)				
<b><u>Caveats:</u></b>	Not applicable				
<b><u>Comment:</u></b>	<p>DWI has no role in determining proportional allocation of expenditure. Where DWI technical support is given, this should not be taken by the company to imply that the scheme will be partially or wholly funded as a Quality item.</p> <p>Schemes that require a legal instrument are considered necessary to meet statutory drinking water quality requirements. These schemes will be transposed to formal programmes of work by DWI as soon as possible and their implementation and completion will be monitored, audited and closure confirmed by DWI.</p>				



guardians of drinking water quality

## DRINKING WATER INSPECTORATE

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DWI Website: <http://www.dwi.gov.uk>

30 May 2018

Mr Ian McAulay  
Chief Executive  
Southern Water Services Ltd.  
Southern House  
Yeoman Road  
Worthing  
West Sussex  
BN13 3NX

Dear Ian,

**PERIODIC REVIEW 2019: Southern Water Services Ltd.  
DWI Scheme reference: [REDACTED] – [REDACTED] and Isle of Wight – Discolouration**

### FINAL DECISION LETTER

The Inspectorate has completed its detailed assessment of the scheme proposed by Southern Water to provide mains improvement to secure or facilitate compliance with the parameters associated with discolouration and to reduce consumer complaints associated with discolouration in the Southampton and Isle of Wight areas.

The detailed assessment also took in to consideration the outcome of the risk assessment reports submitted to the Inspectorate as required by regulation 28(1) of the Water Supply (Water Quality) Regulations 2016 for [REDACTED] water quality zones.

A summary of the outcome of our assessment of this scheme is attached. Based on the information submitted by the Company, the Inspectorate supports the need for a scheme to improve the condition of mains for water quality reasons, and the supported scheme shall be included by the Company in its Final Business Plan, subject to the caveats listed in the attachment.

In this instance the Inspectorate has served a Notice under Regulation 28(4) of the Water Supply (Water Quality) Regulations 2016 that requires the Company to mitigate the risks identified as a potential danger to human health from the water supplied in the [REDACTED] water quality zones.

It is expected that the Company will continue to monitor the treated water, and that it will take all reasonable steps to prevent contraventions of the regulatory standards.

I am copying this letter to:

- Jon Ashley and Kevin Ridout at Ofwat;
- Elinor Smith and John Collins at the Environment Agency;
- Tony Redmond (CCW Chair, London and South East)
- Anna Bradley (Chair of Customer Challenge Group)

Please contact Sue Pennison ([Sue.Pennison@defra.gsi.gov.uk](mailto:Sue.Pennison@defra.gsi.gov.uk)) with any queries relating to this letter.

Yours sincerely

A handwritten signature in black ink that reads "Milo Purcell". The signature is written in a cursive style.

Milo Purcell  
Deputy Chief Inspector

PERIODIC REVIEW 2019

SUMMARY OF DWI ASSESSMENT – LETTER OF SUPPORT

<b>Comment</b>											
<b><u>Water company:</u></b>	Southern Water Services Ltd.										
<b><u>DWI scheme reference(s):</u></b>	██████████										
<b><u>Scheme name:</u></b>	████████████████████ - Discolouration										
<b><u>Proposal:</u></b>	Mains improvements (including replacement) to secure compliance with the parameters associated with discolouration and to reduce the number of consumer contacts.										
<b><u>Supporting evidence:</u></b>	<p>Risk assessment report as follows;</p> <table border="1" style="width: 100%;"> <thead> <tr> <th style="text-align: left;">Site</th> <th style="text-align: left;">Assessed</th> </tr> </thead> <tbody> <tr> <td>██████████ combined</td> <td>13 October 2017</td> </tr> <tr> <td>██████████</td> <td>13 October 2017</td> </tr> <tr> <td>██████████ high level</td> <td>08 November 2017</td> </tr> <tr> <td>██████████</td> <td>13 October 2017</td> </tr> </tbody> </table> <p>Letter reference 28 December 2017 from Ian McAulay.</p>	Site	Assessed	██████████ combined	13 October 2017	██████████	13 October 2017	██████████ high level	08 November 2017	██████████	13 October 2017
Site	Assessed										
██████████ combined	13 October 2017										
██████████	13 October 2017										
██████████ high level	08 November 2017										
██████████	13 October 2017										
<b><u>Conclusion:</u></b>	<p>Subject to the caveats listed below, the Inspectorate supports the need for the following scheme:</p> <p>Mains improvements (including replacement) in the Southampton and Isle of Wight areas.</p>										
<b><u>Timescale:</u></b>	Completion date: beyond AMP7										
<b><u>Estimated cost:</u></b>	Estimated capital costs: £34.2m CAPEX (until 2025)										
<b><u>Legal Instrument Required:</u></b>	Notice under Regulation 28 (4)										
<b><u>Caveats:</u></b>	Not applicable										
<b><u>Comment:</u></b>	<p>DWI has no role in determining proportional allocation of expenditure. Where DWI technical support is given, this should not be taken by the company to imply that the scheme will be partially or wholly funded as a Quality item.</p> <p>Schemes that require a legal instrument are considered necessary to meet statutory drinking water quality requirements. These schemes will be transposed to formal programmes of work by DWI as soon as possible and their implementation and completion will be monitored, audited and closure confirmed by DWI.</p>										



guardians of drinking water quality

## DRINKING WATER INSPECTORATE

Area 1A  
Nobel House  
17 Smith Square London  
SW1P 3JR

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Enquiries: 030 0068 6400

E-mail: [milo.purcell@defra.gsi.gov.uk](mailto:milo.purcell@defra.gsi.gov.uk)  
DWI Website: <http://www.dwi.gov.uk>

30 May 2018

Mr Ian McAulay  
Chief Executive  
Southern Water Services Ltd.  
Southern House  
Yeoman Road  
Worthing  
West Sussex  
BN13 3NX

Dear Mr McAulay,

### **PERIODIC REVIEW 2019: Southern Water Services Ltd.**

**DWI Scheme reference: [REDACTED] – Bacteria, *Cryptosporidium*, turbidity, disinfection, taste and odour**

### **FINAL DECISION LETTER**

The Inspectorate has completed its detailed assessment of the scheme proposed by Southern Water to provide treatment facilities to secure or facilitate compliance with the standards for drinking water quality reasons in the Southampton area.

The detailed assessment also took in to consideration the outcome of the risk assessment reports submitted to the Inspectorate as required by regulation 28(1) of the Water Supply (Water Quality) Regulations 2016 for [REDACTED]

A summary of the outcome of our assessment of this scheme is attached. Based on the information submitted by the Company, the Inspectorate supports the need for a scheme to improve water treatment facilities for water quality reasons, and the supported scheme shall be included by the Company in its Final Business Plan, subject to the caveats listed in the attachment.

In this instance the Inspectorate has served a Notice under Regulation 28(4) of the Water Supply (Water Quality) Regulations 2016, which requires the Company to mitigate the risks identified as a potential danger to human health from the water supplied from [REDACTED]

It is expected that the Company will continue to monitor the treated water, and that it will take all reasonable steps to prevent contraventions of the regulatory standards.

I am copying this letter to:

- Jon Ashley and Kevin Ridout at Ofwat;
- Elinor Smith and John Collins at the Environment Agency;
- Tony Redmond (CCW Chair, London and South East)
- Anna Bradley (Chair of Customer Challenge Group)

Please contact Sue Pennison ([Sue.Pennison@defra.gsi.gov.uk](mailto:Sue.Pennison@defra.gsi.gov.uk)) with any queries relating to this letter.

Yours sincerely



Milo Purcell  
Deputy Chief Inspector

PERIODIC REVIEW 2019

SUMMARY OF DWI ASSESSMENT – LETTER OF SUPPORT

<b>Comment</b>					
<b><u>Water company:</u></b>	Southern Water Services Ltd.				
<b><u>DWI scheme reference(s):</u></b>	██████████				
<b><u>Scheme name:</u></b>	██████████ – Various parameters				
<b><u>Proposal:</u></b>	Refurbishment (and reconstruction where required) of ██████████ to secure or facilitate compliance with the regulatory standards for drinking water quality reasons.				
<b><u>Supporting evidence:</u></b>	<p>Risk assessment report as follows;</p> <table border="1" style="margin-left: 20px;"> <thead> <tr> <th style="text-align: left;">Site</th> <th style="text-align: left;">Assessed</th> </tr> </thead> <tbody> <tr> <td>██████████</td> <td>06 September 2017</td> </tr> </tbody> </table> <p>Letter reference 28 December 2017 from Ian McAulay.</p>	Site	Assessed	██████████	06 September 2017
Site	Assessed				
██████████	06 September 2017				
<b><u>Conclusion:</u></b>	<p>Subject to the caveats listed below, the Inspectorate supports the need for the following scheme:</p> <p>Refurbishment (and reconstruction where required) of ██████████</p>				
<b><u>Timescale:</u></b>	Completion date: 30 September 2022				
<b><u>Estimated cost:</u></b>	Estimated capital costs: £33.7m CAPEX				
<b><u>Legal Instrument Required:</u></b>	Notice under Regulation 28 (4)				
<b><u>Caveats:</u></b>	Not applicable				
<b><u>Comment:</u></b>	<p>DWI has no role in determining proportional allocation of expenditure. Where DWI technical support is given, this should not be taken by the company to imply that the scheme will be partially or wholly funded as a Quality item.</p> <p>Schemes that require a legal instrument are considered necessary to meet statutory drinking water quality requirements. These schemes will be transposed to formal programmes of work by DWI as soon as possible and their implementation and completion will be monitored, audited and closure confirmed by DWI.</p>				



guardians of drinking water quality

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Nobel House  
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DWI Website: <http://www.dwi.gov.uk>

30 May 2018

Mr Ian McAulay  
Chief Executive  
Southern Water Services Ltd.  
Southern House  
Yeoman Road  
Worthing  
West Sussex  
BN13 3NX

Dear Mr McAulay,

### **PERIODIC REVIEW 2019: Southern Water Services Ltd.**

**DWI Scheme reference: [REDACTED] – Bacteria, *Cryptosporidium*, pesticides, pH, insufficient supply, taste and odour**

### **FINAL DECISION LETTER**

The Inspectorate has completed its detailed assessment of the scheme proposed by Southern Water to provide treatment facilities to secure or facilitate compliance with the standards for drinking water quality reasons in the Medway area.

The detailed assessment also took in to consideration the outcome of the risk assessment reports submitted to the Inspectorate as required by regulation 28(1) of the Water Supply (Water Quality) Regulations 2016 for [REDACTED]

A summary of the outcome of our assessment of this scheme is attached. Based on the information submitted by the Company, the Inspectorate supports the need for a scheme to improve water treatment facilities for water quality reasons, and the supported scheme shall be included by the Company in its Final Business Plan, subject to the caveats listed in the attachment.

In this instance the Inspectorate has served a Notice under Regulation 28(4) of the Water Supply (Water Quality) Regulations 2016, which requires the Company to mitigate the risks identified as a potential danger to human health from the water supplied from [REDACTED]

It is expected that the Company will continue to monitor the treated water, and that it will take all reasonable steps to prevent contraventions of the regulatory standards.

I am copying this letter to:

Department for Environment,  
Food and Rural Affairs

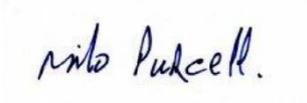
Home Page: [www.dwi.gov.uk](http://www.dwi.gov.uk)  
E mail: [dwi.enquiries@defra.gsi.gov.uk](mailto:dwi.enquiries@defra.gsi.gov.uk)

Llywodraeth Cymru  
Welsh Government

- Jon Ashley and Kevin Ridout at Ofwat;
- Elinor Smith and John Collins at the Environment Agency;
- Tony Redmond (CCW Chair, London and South East)
- Anna Bradley (Chair of Customer Challenge Group)

Please contact Sue Pennison ([Sue.Pennison@defra.gsi.gov.uk](mailto:Sue.Pennison@defra.gsi.gov.uk)) with any queries relating to this letter.

Yours sincerely

A handwritten signature in black ink that reads "Milo Purcell." The signature is written in a cursive style.

Milo Purcell  
Deputy Chief Inspector

PERIODIC REVIEW 2019

SUMMARY OF DWI ASSESSMENT – LETTER OF SUPPORT

<b>Comment</b>					
<b><u>Water company:</u></b>	Southern Water Services Ltd.				
<b><u>DWI scheme reference(s):</u></b>	██████████				
<b><u>Scheme name:</u></b>	██████████ – Various parameters				
<b><u>Proposal:</u></b>	Refurbishment of ██████████ to secure or facilitate compliance with the regulatory standards for drinking water quality reasons.				
<b><u>Supporting evidence:</u></b>	<p>Risk assessment report as follows;</p> <table border="1" style="margin-left: 20px;"> <thead> <tr> <th style="text-align: left;">Site</th> <th style="text-align: left;">Assessed</th> </tr> </thead> <tbody> <tr> <td>██████████</td> <td>19 February 2018</td> </tr> </tbody> </table> <p>Letter reference 28 December 2017 from Ian McAulay.</p>	Site	Assessed	██████████	19 February 2018
Site	Assessed				
██████████	19 February 2018				
<b><u>Conclusion:</u></b>	<p>Subject to the caveats listed below, the Inspectorate supports the need for the following scheme:</p> <p>Refurbishment of ██████████</p>				
<b><u>Timescale:</u></b>	Completion date: 31 December 2025				
<b><u>Estimated cost:</u></b>	Estimated capital costs: £33.5m CAPEX				
<b><u>Legal Instrument Required:</u></b>	Notice under Regulation 28 (4)				
<b><u>Caveats:</u></b>	Not applicable				
<b><u>Comment:</u></b>	<p>DWI has no role in determining proportional allocation of expenditure. Where DWI technical support is given, this should not be taken by the company to imply that the scheme will be partially or wholly funded as a Quality item.</p> <p>Schemes that require a legal instrument are considered necessary to meet statutory drinking water quality requirements. These schemes will be transposed to formal programmes of work by DWI as soon as possible and their implementation and completion will be monitored, audited and closure confirmed by DWI.</p>				



guardians of drinking water quality

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E-mail: [milo.purcell@defra.gsi.gov.uk](mailto:milo.purcell@defra.gsi.gov.uk)

DWI Website: <http://www.dwi.gov.uk>

30 May 2018

Mr Ian McAulay  
Chief Executive  
Southern Water  
Yeoman Road  
Worthing  
West Sussex  
BN13 3NX

Southern House

Dear Mr McAulay

**PERIODIC REVIEW 2019: Southern Water**  
**DWI Scheme reference: [REDACTED] – Lead Strategy- Lead**

### FINAL DECISION LETTER

The Inspectorate has completed its detailed assessment of the scheme proposed by Southern Water to provide an integrated lead strategy to secure or facilitate compliance with the lead standard for drinking water quality reasons within the Deal WSZ.

The detailed assessment also took in to consideration the outcome of the risk assessment reports submitted to the Inspectorate as required by regulation 28(1) of the Water Supply (Water Quality) Regulations 2016 for the [REDACTED]

A summary of the outcome of our assessment of this scheme is attached. Based on the information submitted by the Company, the Inspectorate supports the need for a scheme to reduce lead concentrations in treated water for water quality reasons, and the supported scheme shall be included by the Company in its Final Business Plan, subject to the caveats listed in the attachment.

In this instance the Inspectorate intends to issue a Notice under Regulation 28(4) of the Water Supply (Water Quality) Regulations 2016, as amended, that requires the Company to mitigate the risk of lead that has been identified as a potential danger to human health from the water supplied in the Southern Water area.

It is expected that the Company will continue to monitor treated water lead concentrations, and that it will take all reasonable steps to prevent contraventions of the lead standard.

I am copying this letter to:

- Jon Ashley and Kevin Ridout at Ofwat;

- Elinor Smith and John Collins at the Environment Agency;
- Tony Redmond (CCW Chair, London and South East)
- Anna Bradley (Chair of Customer Challenge Group)

Please contact Sue Pennison ([Sue.Pennison@defra.gsi.gov.uk](mailto:Sue.Pennison@defra.gsi.gov.uk)) with any queries relating to this letter.

Yours sincerely

A handwritten signature in black ink that reads "Milo Purcell". The signature is written in a cursive style.

Milo Purcell  
Deputy Chief Inspector

PERIODIC REVIEW 2019

SUMMARY OF DWI ASSESSMENT – LETTER OF SUPPORT

<b>Comment</b>	
<b><u>Water company:</u></b>	Southern Water
<b><u>DWI scheme reference(s):</u></b>	██████████
<b><u>Scheme name:</u></b>	Lead Strategy- Lead
<b><u>Proposal:</u></b>	Provision of an integrated lead strategy within the Deal WSZ to secure or facilitate compliance with the lead standard for drinking water quality reasons.
<b><u>Supporting evidence:</u></b>	Risk assessment report for ██████████ dated 17 August 2017.  Letter reference Lead Risk Reduction Strategy Main Report V1.0 dated 15 January 2018
<b><u>Conclusion:</u></b>	Subject to the caveats listed below, the Inspectorate supports the need for the following scheme:  Provision of an integrated lead strategy within the Deal WSZ to secure or facilitate compliance with the lead standard for drinking water quality reasons. The steps will trial a variety of measures including lead pipe replacement, plumbosolvency control, customer uptake, opportunistic pipe replacement, a media and education campaign in a discreet zone.
<b><u>Timescale:</u></b>	Completion date: It is proposed to complete the pilot by March 2024 with a full assessment of the success criteria being completed by December 2024.
<b><u>Estimated cost:</u></b>	Estimated capital costs: Total cost £26.1 Million
<b><u>Legal Instrument Required:</u></b>	Notice under Regulation 28 (4)
<b><u>Caveats:</u></b>	<ul style="list-style-type: none"> <li>- Continuation and continuous development of the Company's Lead Strategy in line with the Inspectorate's guidance.</li> <li>- Comply with regulations 18(1), 18(6), 18(11) and 30 with regards to lead; and in the case of public buildings (with reference to Regulation 19A), the requirements of S75 of the Water Industry Act 1991.</li> </ul>
<b><u>Comment:</u></b>	<p>DWI has no role in determining proportional allocation of expenditure. Where DWI technical support is given, this should not be taken by the company to imply that the scheme will be partially or wholly funded as a Quality item.</p> <p>Schemes that require a legal instrument are considered necessary to meet statutory drinking water quality requirements. These schemes will be transposed to formal programmes of work by DWI as</p>

	soon as possible and their implementation and completion will be monitored, audited and closure confirmed by DWI.
--	---



guardians of drinking water quality

## DRINKING WATER INSPECTORATE

Area 1A  
Nobel House  
17 Smith Square London  
SW1P 3JR

Enquiries: 030 0068 6400

E-mail: [milo.purcell@defra.gsi.gov.uk](mailto:milo.purcell@defra.gsi.gov.uk)  
DWI Website: <http://www.dwi.gov.uk>

30 May 2018

Mr Ian McAulay  
Chief Executive  
Southern Water Services Ltd.  
Southern House  
Yeoman Road  
Worthing  
West Sussex  
BN13 3NX

Dear Mr Mc Aulay,

**PERIODIC REVIEW 2019: Southern Water Services Ltd**  
**DWI Scheme reference: [REDACTED] – Nitrate and sufficiency**

### FINAL DECISION LETTER

The Inspectorate has completed its detailed assessment of the scheme proposed by Southern Water to design treatment facilities (with installation to be bought into the AMP if required) and raw water blending to secure or facilitate compliance with the Nitrate standard for drinking water quality and sufficiency reasons at [REDACTED]

The detailed assessment also took in to consideration the outcome of the risk assessment report submitted to the Inspectorate as required by regulation 28(1) of the Water Supply (Water Quality) Regulations 2016 for the [REDACTED] treatment works.

A summary of the outcome of our assessment of this scheme is attached. Based on the information submitted by the Company, the Inspectorate supports the need for a scheme to reduce Nitrate concentrations in treated water for water quality reasons, and the supported scheme shall be included by the Company in its Final Business Plan, subject to the caveats listed in the attachment.

In this instance the Inspectorate intends to issue a Notice under Regulation 28(4) of the Water Supply (Water Quality) Regulations 2016, as amended, that requires the Company to mitigate the risk of Nitrate that has been identified as a potential danger to human health from the water supplied from [REDACTED] treatment works, as well as any other parameters that are at risk when the water quality of the Surrenden source is assessed.

It is expected that the Company will continue to monitor treated water Nitrate concentrations, and that it will take all reasonable steps to prevent contraventions of the Nitrate standard.

I am copying this letter to:

- Jon Ashley and Kevin Ridout at Ofwat;
- Elinor Smith and John Collins at the Environment Agency;
- Tony Redmond (CCW Chair, London and South East)
- Anna Bradley (Chair of Customer Challenge Group)

Please contact Sue Pennison ([Sue.Pennison@defra.gsi.gov.uk](mailto:Sue.Pennison@defra.gsi.gov.uk)) with any queries relating to this letter.

Yours sincerely



Milo Purcell  
Deputy Chief Inspector

PERIODIC REVIEW 2019

SUMMARY OF DWI ASSESSMENT – LETTER OF SUPPORT

<b>Comment</b>							
<b><u>Water company:</u></b>	Southern Water Services Ltd						
<b><u>DWI scheme reference(s):</u></b>	██████████						
<b><u>Scheme name:</u></b>	██████████ – Nitrate and sufficiency						
<b><u>Proposal:</u></b>	Design the provision of treatment facilities at ██████████, return the ██████████ source to supply and install the treatment facilities once required to secure or facilitate compliance with the Nitrate standard for drinking water quality reasons and to improve the sufficiency of supplies.						
<b><u>Supporting evidence:</u></b>	<p>Risk assessment reports as follows;</p> <table border="1" style="margin-left: 20px;"> <thead> <tr> <th style="text-align: center;">Site</th> <th style="text-align: center;">Assessment date</th> </tr> </thead> <tbody> <tr> <td>██████████</td> <td>22/09/2017</td> </tr> <tr> <td>██████████</td> <td>Not supplied</td> </tr> </tbody> </table> <p>Letter dated 28 December 2017 from Ian McAulay.</p>	Site	Assessment date	██████████	22/09/2017	██████████	Not supplied
Site	Assessment date						
██████████	22/09/2017						
██████████	Not supplied						
<b><u>Conclusion:</u></b>	<p>Subject to the caveats listed below, the Inspectorate supports the need for the following scheme:</p> <p>Design the provision of treatment facilities at ██████████ return the ██████████ source to supply and install the treatment facilities once required</p>						
<b><u>Timescale:</u></b>	Completion date: 31 December 2025						
<b><u>Estimated cost:</u></b>	Estimated capital costs: £10.4 NPV						
<b><u>Legal Instrument Required:</u></b>	Notice under Regulation 28 (4)						
<b><u>Caveats:</u></b>	<ol style="list-style-type: none"> <li>1. If Nitrate trends indicate the requirement, the installation of the Nitrate plant is expedited to within AMP 7.</li> <li>2. The water quality of the ██████████ source shall be assessed and any additional mitigation measures implemented as part of the scheme, particularly in respect of Atrazine which has been listed as a risk.</li> </ol>						

<b><u>Comment:</u></b>	DWI has no role in determining proportional allocation of expenditure. Where DWI technical support is given, this should not be taken by the company to imply that the scheme will be partially or wholly funded as a Quality item.
	Schemes that require a legal instrument are considered necessary to meet statutory drinking water quality requirements. These schemes will be transposed to formal programmes of work by DWI as soon as possible and their implementation and completion will be monitored, audited and closure confirmed by DWI.



guardians of drinking water quality

## DRINKING WATER INSPECTORATE

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30 May 2018

Mr Ian McAulay  
Chief Executive  
Southern Water Services Ltd.  
Southern House  
Yeoman Road  
Worthing  
West Sussex  
BN13 3NX

Dear Mr McAulay,

**PERIODIC REVIEW 2019: Southern Water Services Ltd.**  
**DWI Scheme reference: [REDACTED] – Brighton New Works - Nitrate**

### FINAL DECISION LETTER

The Inspectorate has completed its detailed assessment of the scheme proposed by Southern Water to provide treatment facilities to secure or facilitate compliance with the Nitrate standard for drinking water quality reasons in the Brighton area.

The detailed assessment also took in to consideration the outcome of the risk assessment report submitted to the Inspectorate as required by regulation 28(1) of the Water Supply (Water Quality) Regulations 2016 for the [REDACTED]

A summary of the outcome of our assessment of this scheme is attached. Based on the information submitted by the Company, the Inspectorate supports the need for a scheme to reduce Nitrate concentrations in treated water for water quality reasons, and the supported scheme shall be included by the Company in its Final Business Plan, subject to the caveats listed in the attachment.

In this instance the Inspectorate intends to issue a Notice under Regulation 28(4) of the Water Supply (Water Quality) Regulations 2016, as amended, that requires the Company to mitigate the risk of Nitrate that has been identified as a potential danger to human health from the water supplied from [REDACTED]

It is expected that the Company will continue to monitor treated water Nitrate concentrations, and that it will take all reasonable steps to prevent contraventions of the Nitrate standard.

I am copying this letter to:

- Jon Ashley and Kevin Ridout at Ofwat;
- Elinor Smith and John Collins at the Environment Agency;
- Tony Redmond (CCW Chair, London and South East)
- Anna Bradley (Chair of Customer Challenge Group)

Please contact Sue Pennison ([Sue.Pennison@defra.gsi.gov.uk](mailto:Sue.Pennison@defra.gsi.gov.uk)) with any queries relating to this letter.

Yours sincerely



Milo Purcell  
Deputy Chief Inspector

PERIODIC REVIEW 2019

SUMMARY OF DWI ASSESSMENT – LETTER OF SUPPORT

<b>Comment</b>													
<b><u>Water company:</u></b>	Southern Water Services Ltd.												
<b><u>DWI scheme reference(s):</u></b>	██████████												
<b><u>Scheme name:</u></b>	Brighton New Works - Nitrate												
<b><u>Proposal:</u></b>	Provision of a new treatment works to replace ██████████ ██████████ to secure or facilitate compliance with the Nitrate standard for drinking water quality reasons.												
<b><u>Supporting evidence:</u></b>	<p>Risk assessment report as follows;</p> <table border="1" style="width: 100%;"> <thead> <tr> <th style="text-align: left;">Site</th> <th style="text-align: left;">Assessed</th> </tr> </thead> <tbody> <tr> <td>██████████</td> <td>13/10/17</td> </tr> <tr> <td>██████████</td> <td>13/10/17</td> </tr> <tr> <td>██████████</td> <td>21/09/17</td> </tr> <tr> <td>██████████</td> <td>Not provided</td> </tr> <tr> <td>██████████</td> <td>12/02/18</td> </tr> </tbody> </table> <p>Letter reference 28 December 2017 from Ian McAulay.</p>	Site	Assessed	██████████	13/10/17	██████████	13/10/17	██████████	21/09/17	██████████	Not provided	██████████	12/02/18
Site	Assessed												
██████████	13/10/17												
██████████	13/10/17												
██████████	21/09/17												
██████████	Not provided												
██████████	12/02/18												
<b><u>Conclusion:</u></b>	<p>Subject to the caveats listed below, the Inspectorate supports the need for the following scheme:</p> <p>Construction of a new treatment works in Brighton to replace those listed above and to include Nitrate treatment.</p>												
<b><u>Timescale:</u></b>	Completion date: 31 December 2025												
<b><u>Estimated cost:</u></b>	Estimated capital costs: £115m npv												
<b><u>Legal Instrument Required:</u></b>	Notice under Regulation 28 (4)												
<b><u>Caveats:</u></b>	Not applicable												
<b><u>Comment:</u></b>	<p>DWI has no role in determining proportional allocation of expenditure. Where DWI technical support is given, this should not be taken by the company to imply that the scheme will be partially or wholly funded as a Quality item.</p> <p>Schemes that require a legal instrument are considered necessary to meet statutory drinking water quality requirements. These schemes will be transposed to formal programmes of work by DWI as soon as possible and their implementation and</p>												

	completion will be monitored, audited and closure confirmed by DWI.
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guardians of drinking water quality

## DRINKING WATER INSPECTORATE

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30 May 2018

Mr Ian McAulay  
Chief Executive  
Southern Water Services Ltd.  
Southern House  
Yeoman Road  
Worthing  
West Sussex  
BN13 3NX

Dear Mr McAulay

### **PERIODIC REVIEW 2019: Southern Water Services Ltd**

**DWI Scheme reference:** [REDACTED] - Nitrate

### **FINAL DECISION LETTER – COMMEND FOR SUPPORT**

The Inspectorate has assessed the scheme proposed by Southern Water to provide monitoring solutions for reducing Nitrate in water supplied from [REDACTED] operated by Southern Water, to secure or facilitate compliance with the standard for Nitrate in drinking water.

Based on the information submitted by the Company, the Inspectorate commends for support the proposals to deliver improvements to the monitoring of the blending operation, to mitigate residual risks to the wholesomeness of water supplied to consumers, and we agree that the proposals should be included by the Company in its Final Business Plan. We consider that formal enforcement action and putting in place a legal instrument is inappropriate at this stage. We confirm that the proposed scheme is consistent with the requirements of Defra's Strategic Policy Statement published in September 2017.

We also confirm that the proposed scheme is consistent with the Inspectorate's guidance on principles for the assessment of drinking water quality provisions within the PR19 process, as set out in DWI Information Letter 03/2017, published on 12 September 2017. In particular, we are satisfied that the proposed scheme adopts a sound risk based approach to management of water supplies from source to tap using a water safety plan approach.

The Inspectorate is prepared to review this decision should circumstances change significantly, or if new information becomes available.

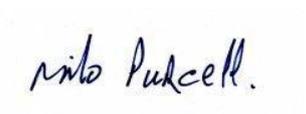
This decision does not preclude regulatory enforcement action being taken subsequently, if considered necessary to protect public health.

I am copying this letter to:

- Jon Ashley and Kevin Ridout at Ofwat;
- Elinor Smith and John Collins at the Environment Agency;
- Tony Redmond (CCW Chair, London and South East)
- Anna Bradley (Chair of Customer Challenge Group)

Please contact Sue Pennison ([Sue.Pennison@defra.gsi.gov.uk](mailto:Sue.Pennison@defra.gsi.gov.uk)) with any queries relating to this letter.

Yours sincerely

A handwritten signature in black ink that reads "Milo Purcell". The signature is written in a cursive style.

Milo Purcell  
Deputy Chief Inspector



guardians of drinking water quality

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30 May 2018

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Chief Executive  
Southern Water Services Ltd.  
Southern House  
Yeoman Road  
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West Sussex  
BN13 3NX

Dear Mr McAulay,

**PERIODIC REVIEW 2019: Southern Water Services Ltd**  
**DWI Scheme reference: [REDACTED] – Nitrate**

### FINAL DECISION LETTER

The Inspectorate has completed its detailed assessment of the scheme proposed by Southern Water to provide treatment facilities and raw water blending to secure or facilitate compliance with the Nitrate standard for drinking water quality reasons at [REDACTED]

The detailed assessment also took in to consideration the outcome of the risk assessment report submitted to the Inspectorate as required by regulation 28(1) of the Water Supply (Water Quality) Regulations 2016 for the [REDACTED]

A summary of the outcome of our assessment of this scheme is attached. Based on the information submitted by the Company, the Inspectorate supports the need for a scheme to reduce Nitrate concentrations in treated water for water quality reasons, and the supported scheme shall be included by the Company in its Final Business Plan, subject to the caveats listed in the attachment.

In this instance the Inspectorate intends to issue a Notice under Regulation 28(4) of the Water Supply (Water Quality) Regulations 2016, as amended, that requires the Company to mitigate the risk of Nitrate that has been identified as a potential danger to human health from the water supplied from [REDACTED]

It is expected that the Company will continue to monitor treated water Nitrate concentrations, and that it will take all reasonable steps to prevent contraventions of the Nitrate standard.

I am copying this letter to:

- Jon Ashley and Kevin Ridout at Ofwat;
- Elinor Smith and John Collins at the Environment Agency;
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Yours sincerely



Milo Purcell  
Deputy Chief Inspector

PERIODIC REVIEW 2019

SUMMARY OF DWI ASSESSMENT – LETTER OF SUPPORT

<b>Comment</b>							
<b><u>Water company:</u></b>	Southern Water Services Ltd						
<b><u>DWI scheme reference(s):</u></b>	██████████						
<b><u>Scheme name:</u></b>	██████████ - Nitrate						
<b><u>Proposal:</u></b>	Provision of treatment facilities at ██████████ to secure or facilitate compliance with the Nitrate standard for drinking water quality reasons.						
<b><u>Supporting evidence:</u></b>	<p>Risk assessment reports as follows;</p> <table border="1" style="margin-left: 20px;"> <thead> <tr> <th style="text-align: center;">Site</th> <th style="text-align: center;">Assessment date</th> </tr> </thead> <tbody> <tr> <td>██████████</td> <td>18/10/2017</td> </tr> <tr> <td>██████████</td> <td>18/10/2017</td> </tr> </tbody> </table> <p>Letter dated 28 December 2017 from Ian McAulay.</p>	Site	Assessment date	██████████	18/10/2017	██████████	18/10/2017
Site	Assessment date						
██████████	18/10/2017						
██████████	18/10/2017						
<b><u>Conclusion:</u></b>	<p>Subject to the caveats listed below, the Inspectorate supports the need for the following scheme:</p> <p>Provision of treatment facilities at ██████████</p>						
<b><u>Timescale:</u></b>	Completion date: 31 December 2022						
<b><u>Estimated cost:</u></b>	<p>Estimated capital costs: £15.73m                      Estimated operational costs: £0.49m</p>						
<b><u>Legal Instrument Required:</u></b>	Notice under Regulation 28 (4)						
<b><u>Caveats:</u></b>	N/A						
<b><u>Comment:</u></b>	<p>DWI has no role in determining proportional allocation of expenditure. Where DWI technical support is given, this should not be taken by the company to imply that the scheme will be partially or wholly funded as a Quality item.</p> <p>Schemes that require a legal instrument are considered necessary to meet statutory drinking water quality requirements. These schemes will be transposed to formal programmes of work by DWI as soon as possible and their implementation and completion will be monitored, audited and closure confirmed by DWI.</p>						

Area  
Nobel  
17  
SW1P



guardians of drinking water quality

6400

## DRINKING WATER INSPECTORATE

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30 May 2018

Mr Ian McAulay  
Chief Executive  
Southern Water Services Ltd.  
Southern House  
Yeoman Road  
Worthing  
West Sussex  
BN13 3NX

Dear Mr McAulay,

**PERIODIC REVIEW 2019: Southern Water Services Ltd**  
**DWI Scheme reference: [REDACTED] – Nitrate**

### FINAL DECISION LETTER

The Inspectorate has completed its detailed assessment of the scheme proposed by Southern Water to provide treatment facilities and raw water blending to secure or facilitate compliance with the Nitrate standard for drinking water quality reasons at [REDACTED]

The detailed assessment also took in to consideration the outcome of the risk assessment report submitted to the Inspectorate as required by regulation 28(1) of the Water Supply (Water Quality) Regulations 2016 for the [REDACTED]

A summary of the outcome of our assessment of this scheme is attached. Based on the information submitted by the Company, the Inspectorate supports the need for a scheme to reduce Nitrate concentrations in treated water for water quality reasons, and the supported scheme shall be included by the Company in its Final Business Plan, subject to the caveats listed in the attachment.

In this instance the Inspectorate intends to issue a Notice under Regulation 28(4) of the Water Supply (Water Quality) Regulations 2016, as amended, that requires the Company to mitigate the risk of Nitrate that has been identified as a potential danger to human health from the water supplied from [REDACTED]

It is expected that the Company will continue to monitor treated water Nitrate concentrations, and that it will take all reasonable steps to prevent contraventions of the Nitrate standard.

I am copying this letter to:

- Jon Ashley and Kevin Ridout at Ofwat;
- Elinor Smith and John Collins at the Environment Agency;
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Yours sincerely

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Milo Purcell  
Deputy Chief Inspector

PERIODIC REVIEW 2019

SUMMARY OF DWI ASSESSMENT – LETTER OF SUPPORT

<b>Comment</b>									
<b><u>Water company:</u></b>	Southern Water Services Ltd								
<b><u>DWI scheme reference(s):</u></b>	██████████								
<b><u>Scheme name:</u></b>	██████████ - Nitrate								
<b><u>Proposal:</u></b>	Provision of treatment facilities at ██████████ ██████████ ██████████ to secure or facilitate compliance with the Nitrate standard for drinking water quality reasons.								
<b><u>Supporting evidence:</u></b>	Risk assessment reports as follows; <table border="1" style="margin-left: 20px;"> <thead> <tr> <th style="text-align: center;">Site</th> <th style="text-align: center;">Assessment date</th> </tr> </thead> <tbody> <tr> <td>██████████</td> <td>12/06/2017</td> </tr> <tr> <td>██████████</td> <td>16/10/2017</td> </tr> <tr> <td>██████████</td> <td>13/10/2017</td> </tr> </tbody> </table> <p>Letter dated 28 December 2017 from Ian McAulay.</p>	Site	Assessment date	██████████	12/06/2017	██████████	16/10/2017	██████████	13/10/2017
Site	Assessment date								
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<b><u>Conclusion:</u></b>	Subject to the caveats listed below, the Inspectorate supports the need for the following scheme:  Provision of treatment facilities at ██████████ ██████████ ██████████								
<b><u>Timescale:</u></b>	Completion date: 31 December 2022								
<b><u>Estimated cost:</u></b>	Estimated capital costs: £20.29m Estimated operational costs: £1.05m								
<b><u>Legal Instrument Required:</u></b>	Notice under Regulation 28 (4)								
<b><u>Caveats:</u></b>	N/A								
<b><u>Comment:</u></b>	DWI has no role in determining proportional allocation of expenditure. Where DWI technical support is given, this should not be taken by the company to imply that the scheme will be partially or wholly funded as a Quality item.  Schemes that require a legal instrument are considered necessary to meet statutory drinking water quality requirements. These schemes will be transposed to formal programmes of work by DWI as soon as possible and their implementation and completion will be monitored, audited and closure confirmed by DWI.								

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guardians of drinking water quality

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30 May 2018

Mr Ian McAulay  
Chief Executive  
Southern Water Services Ltd.  
Southern House  
Yeoman Road  
Worthing  
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BN13 3NX

Dear Mr McAulay,

**PERIODIC REVIEW 2019: Southern Water Services Ltd**  
**DWI Scheme reference: [REDACTED] – Nitrate**

### FINAL DECISION LETTER

The Inspectorate has completed its detailed assessment of the scheme proposed by Southern Water to provide treatment facilities and raw water blending to secure or facilitate compliance with the Nitrate standard for drinking water quality reasons at [REDACTED]

The detailed assessment also took in to consideration the outcome of the risk assessment report submitted to the Inspectorate as required by regulation 28(1) of the Water Supply (Water Quality) Regulations 2016 for the [REDACTED]

A summary of the outcome of our assessment of this scheme is attached. Based on the information submitted by the Company, the Inspectorate supports the need for a scheme to reduce Nitrate concentrations in treated water for water quality reasons, and the supported scheme shall be included by the Company in its Final Business Plan, subject to the caveats listed in the attachment.

In this instance the Inspectorate intends to issue a Notice under Regulation 28(4) of the Water Supply (Water Quality) Regulations 2016, as amended, that requires the Company to mitigate the risk of Nitrate that has been identified as a potential danger to human health from the water supplied from [REDACTED]

It is expected that the Company will continue to monitor treated water Nitrate concentrations, and that it will take all reasonable steps to prevent contraventions of the Nitrate standard.

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Yours sincerely

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Milo Purcell  
Deputy Chief Inspector

PERIODIC REVIEW 2019

SUMMARY OF DWI ASSESSMENT – LETTER OF SUPPORT

<b>Comment</b>									
<b><u>Water company:</u></b>	Southern Water Services Ltd								
<b><u>DWI scheme reference(s):</u></b>	██████████								
<b><u>Scheme name:</u></b>	██████████ - Nitrate								
<b><u>Proposal:</u></b>	Provision of treatment facilities at ██████████ ██████████ and a new main to send ██████████ ██████████ to secure or facilitate compliance with the Nitrate standard for drinking water quality reasons and to improve resilience.								
<b><u>Supporting evidence:</u></b>	Risk assessment reports as follows; <table border="1" style="margin-left: 20px;"> <thead> <tr> <th style="text-align: center;">Site</th> <th style="text-align: center;">Assessment date</th> </tr> </thead> <tbody> <tr> <td>██████████</td> <td>29/11/2017</td> </tr> <tr> <td>██████████</td> <td>04/08/2017</td> </tr> <tr> <td>██████████</td> <td>29/11/2017</td> </tr> </tbody> </table> <p>Letter dated 28 December 2017 from Ian McAulay.</p>	Site	Assessment date	██████████	29/11/2017	██████████	04/08/2017	██████████	29/11/2017
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██████████	04/08/2017								
██████████	29/11/2017								
<b><u>Conclusion:</u></b>	Subject to the caveats listed below, the Inspectorate supports the need for the following scheme:  Provision of treatment facilities at ██████████ ██████████ ██████████ ██████████ ██████████								
<b><u>Timescale:</u></b>	Completion date: 31 December 2025								
<b><u>Estimated cost:</u></b>	Estimated capital costs: £42.6m NPV								
<b><u>Legal Instrument Required:</u></b>	Notice under Regulation 28 (4)								
<b><u>Caveats:</u></b>	N/A								
<b><u>Comment:</u></b>	DWI has no role in determining proportional allocation of expenditure. Where DWI technical support is given, this should not be taken by the company to imply that the scheme will be partially or wholly funded as a Quality item.  Schemes that require a legal instrument are considered necessary to meet statutory drinking water quality requirements. These schemes will be transposed to formal programmes of work by DWI as soon as possible and their implementation and								

	completion will be monitored, audited and closure confirmed by DWI.
--	---



guardians of drinking water quality

## DRINKING WATER INSPECTORATE

Area 1A  
Nobel House  
17 Smith Square London  
SW1P 3JR

Enquiries: 030 0068 6400

E-mail: [milo.purcell@defra.gsi.gov.uk](mailto:milo.purcell@defra.gsi.gov.uk)  
DWI Website: <http://www.dwi.gov.uk>

30 May 2018

Mr Ian McAulay Chief  
Executive  
Southern Water Services Ltd.  
Southern House  
Yeoman Road  
Worthing  
West Sussex  
BN13 3NX

Dear Mr McAulay,

**PERIODIC REVIEW 2019: Southern Water Services Ltd**  
**DWI Scheme reference: [REDACTED] – Nitrate**

### **FINAL DECISION LETTER – COMMEND FOR SUPPORT**

The Inspectorate has assessed the scheme proposed by Southern Water to provide monitoring and conversion of the source for seasonal operation for reducing Nitrate in drinking water water supplied from [REDACTED] treatment works, operated by Southern Water, to secure or facilitate compliance with the standard.

Based on the information submitted by the Company, the Inspectorate commends for support the proposals to deliver improvements to the monitoring of the source and to convert it to seasonal operations, to mitigate residual risks to the wholesomeness of water supplied to consumers, and we agree that the proposals should be included by the Company in its Final Business Plan. We consider that formal enforcement action and putting in place a legal instrument is inappropriate at this stage. We confirm that the proposed scheme is consistent with the requirements of Defra's Strategic Policy Statement published in September 2017.

We also confirm that the proposed scheme is consistent with the Inspectorate's guidance on principles for the assessment of drinking water quality provisions within the PR19 process, as set out in DWI Information Letter 03/2017, published on 12 September 2017. In particular, we are satisfied that the proposed scheme adopts a sound risk based approach to management of water supplies from source to tap using a water safety plan approach.

The Inspectorate is prepared to review this decision should circumstances change significantly, or if new information becomes available.

This decision does not preclude regulatory enforcement action being taken subsequently, if considered necessary to protect public health.

I am copying this letter to:

- Jon Ashley and Kevin Ridout at Ofwat;
- Elinor Smith and John Collins at the Environment Agency;
- Tony Redmond (CCW Chair, London and South East)
- Anna Bradley (Chair of Customer Challenge Group)

Please contact Sue Pennison ([Sue.Pennison@defra.gsi.gov.uk](mailto:Sue.Pennison@defra.gsi.gov.uk)) with any queries relating to this letter.

Yours sincerely



Milo Purcell  
Deputy Chief Inspector



guardians of drinking water quality

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DWI Website: <http://www.dwi.gov.uk>

30 May 2018

Mr Ian McAulay  
Chief Executive  
Southern Water Services Ltd.  
Southern House  
Yeoman Road  
Worthing  
West Sussex  
BN13 3NX

Dear Mr McAulay,

**PERIODIC REVIEW 2019: Southern Water Services Ltd**  
**DWI Scheme reference: [REDACTED] – Nitrate**

### FINAL DECISION LETTER

The Inspectorate has completed its detailed assessment of the scheme proposed by Southern Water to provide raw water blending to secure or facilitate compliance with the Nitrate standard for drinking water quality reasons at [REDACTED]

The detailed assessment also took in to consideration the outcome of the risk assessment report submitted to the Inspectorate as required by regulation 28(1) of the Water Supply (Water Quality) Regulations 2016 for the [REDACTED]

A summary of the outcome of our assessment of this scheme is attached. Based on the information submitted by the Company, the Inspectorate supports the need for a scheme to reduce Nitrate concentrations in treated water for water quality reasons, and the supported scheme shall be included by the Company in its Final Business Plan, subject to the caveats listed in the attachment.

In this instance the Inspectorate intends to issue a Notice under Regulation 28(4) of the Water Supply (Water Quality) Regulations 2016, as amended, that requires the Company to mitigate the risk of Nitrate that has been identified as a potential danger to human health from the water supplied from [REDACTED]

It is expected that the Company will continue to monitor treated water Nitrate concentrations, and that it will take all reasonable steps to prevent contraventions of the Nitrate standard.

I am copying this letter to:

- Jon Ashley and Kevin Ridout at Ofwat;
- Elinor Smith and John Collins at the Environment Agency;
- Tony Redmond (CCW Chair, London and South East)
- Anna Bradley (Chair of Customer Challenge Group)

Please contact Sue Pennison ([Sue.Pennison@defra.gsi.gov.uk](mailto:Sue.Pennison@defra.gsi.gov.uk)) with any queries relating to this letter.

Yours sincerely

A handwritten signature in blue ink that reads "Milo Purcell".

Milo Purcell  
Deputy Chief Inspector

PERIODIC REVIEW 2019

SUMMARY OF DWI ASSESSMENT – LETTER OF SUPPORT

<b>Comment</b>									
<b><u>Water company:</u></b>	Southern Water Services Ltd								
<b><u>DWI scheme reference(s):</u></b>	██████████								
<b><u>Scheme name:</u></b>	██████████████████ – Nitrate								
<b><u>Proposal:</u></b>	Provision of raw water blending of the ██████████ ██████████ to secure or facilitate compliance with the Nitrate standard for drinking water quality reasons and to improve the sufficiency of supplies.								
<b><u>Supporting evidence:</u></b>	<p>Risk assessment reports as follows;</p> <table border="1" style="margin-left: 20px;"> <thead> <tr> <th style="text-align: center;">Site</th> <th style="text-align: center;">Assessment date</th> </tr> </thead> <tbody> <tr> <td>██████████</td> <td style="text-align: center;">25/08/2017</td> </tr> <tr> <td>██████████</td> <td style="text-align: center;">29/09/2017</td> </tr> <tr> <td>██████████</td> <td style="text-align: center;">02/10/2017</td> </tr> </tbody> </table> <p>Letter dated 28 December 2017 from Ian McAulay.</p>	Site	Assessment date	██████████	25/08/2017	██████████	29/09/2017	██████████	02/10/2017
Site	Assessment date								
██████████	25/08/2017								
██████████	29/09/2017								
██████████	02/10/2017								
<b><u>Conclusion:</u></b>	<p>Subject to the caveats listed below, the Inspectorate supports the need for the following scheme:</p> <p>Provision of raw water blending of the ██████████ ██████████</p>								
<b><u>Timescale:</u></b>	Completion date: 31 December 2025								
<b><u>Estimated cost:</u></b>	Estimated capital costs: £0.5m Estimate operational costs: £0								
<b><u>Legal Instrument Required:</u></b>	Notice under Regulation 28 (4)								
<b><u>Caveats:</u></b>	Not applicable								
<b><u>Comment:</u></b>	<p>DWI has no role in determining proportional allocation of expenditure. Where DWI technical support is given, this should not be taken by the company to imply that the scheme will be partially or wholly funded as a Quality item.</p> <p>Schemes that require a legal instrument are considered necessary to meet statutory drinking water quality requirements. These schemes will be transposed to formal programmes of work by DWI as soon as possible and their implementation and completion will be monitored, audited and closure confirmed by DWI.</p>								



guardians of drinking water quality

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DWI Website: <http://www.dwi.gov.uk>

30 May 2018

Mr Ian McAulay  
Chief Executive  
Southern Water Services Ltd.  
Southern House  
Yeoman Road  
Worthing  
West Sussex  
BN13 3NX

Dear Mr McAulay

**PERIODIC REVIEW 2019: Southern Water Services Ltd.**  
**DWI Scheme reference: [REDACTED] - Nitrate**

### FINAL DECISION LETTER

The Inspectorate has completed its detailed assessment of the scheme proposed by Southern Water to provide blending to secure or facilitate compliance with the Nitrate standard for drinking water quality reasons at [REDACTED]

The detailed assessment also took in to consideration the outcome of the risk assessment report submitted to the Inspectorate as required by regulation 28(1) of the Water Supply (Water Quality) Regulations 2016 for the [REDACTED]

A summary of the outcome of our assessment of this scheme is attached. Based on the information submitted by the Company, the Inspectorate supports the need for a scheme to reduce Nitrate concentrations in treated water for water quality reasons, and the supported scheme shall be included by the Company in its Final Business Plan, subject to the caveats listed in the attachment.

In this instance the Inspectorate intends to issue a Notice under Regulation 28(4) of the Water Supply (Water Quality) Regulations 2016, as amended, that requires the Company to mitigate the risk of Nitrate that has been identified as a potential danger to human health from the water supplied from [REDACTED]

It is expected that the Company will continue to monitor treated water Nitrate concentrations, and that it will take all reasonable steps to prevent contraventions of the Nitrate standard.

I am copying this letter to:

- Jon Ashley and Kevin Ridout at Ofwat;
- Elinor Smith and John Collins at the Environment Agency;
- Tony Redmond (CCW Chair, London and South East)
- Anna Bradley (Chair of Customer Challenge Group)

Please contact Sue Pennison (Sue.Pennison@defra.gsi.gov.uk) with any queries relating to this letter.

Yours sincerely

A handwritten signature in black ink that reads "Milo Purcell". The signature is written in a cursive style.

Milo Purcell  
Deputy Chief Inspector

PERIODIC REVIEW 2019

SUMMARY OF DWI ASSESSMENT – LETTER OF SUPPORT

<b>Comment</b>	
<b><u>Water company:</u></b>	Southern Water Services Ltd.
<b><u>DWI scheme reference(s):</u></b>	██████████
<b><u>Scheme name:</u></b>	██████████ - Nitrate
<b><u>Proposal:</u></b>	Provision of blending at ██████████ to secure or facilitate compliance with the Nitrate standard for drinking water quality reasons.
<b><u>Supporting evidence:</u></b>	Risk assessment reports for ██████████ dated 02/10/2017, submitted on 20/10/2017.  Letter reference 28/12/2017 from Ian McAulay.
<b><u>Conclusion:</u></b>	Subject to the caveats listed below, the Inspectorate supports the need for the following scheme: Blending
<b><u>Timescale:</u></b>	Completion date: 31 December 2022
<b><u>Estimated cost:</u></b>	Estimated capital costs: £5.6m Estimated net additional operating costs: £0pa
<b><u>Legal Instrument Required:</u></b>	Notice under Regulation 28 (4)
<b><u>Caveats:</u></b>	N/A
<b><u>Comment:</u></b>	DWI has no role in determining proportional allocation of expenditure. Where DWI technical support is given, this should not be taken by the company to imply that the scheme will be partially or wholly funded as a Quality item.  Schemes that require a legal instrument are considered necessary to meet statutory drinking water quality requirements. These schemes will be transposed to formal programmes of work by DWI as soon as possible and their implementation and completion will be monitored, audited and closure confirmed by DWI.



guardians of drinking water quality

## DRINKING WATER INSPECTORATE

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DWI Website: <http://www.dwi.gov.uk>

30 May 2018

Mr Ian McAulay  
Chief Executive  
Southern Water Services Ltd.  
Southern House  
Yeoman Road  
Worthing  
West Sussex  
BN13 3NX

Dear Mr McAulay

**PERIODIC REVIEW 2019: Southern Water Services Ltd.**  
**DWI Scheme reference: [REDACTED] - Nitrate**

### FINAL DECISION LETTER

The Inspectorate has completed its detailed assessment of the scheme proposed by Southern Water to provide increased blending and monitoring to secure or facilitate compliance with the Nitrate standard for drinking water quality reasons at [REDACTED]

The detailed assessment also took in to consideration the outcome of the risk assessment report submitted to the Inspectorate as required by regulation 28(1) of the Water Supply (Water Quality) Regulations 2016 for the [REDACTED]

A summary of the outcome of our assessment of this scheme is attached. Based on the information submitted by the Company, the Inspectorate supports the need for a scheme to reduce Nitrate concentrations in treated water for water quality reasons, and the supported scheme shall be included by the Company in its Final Business Plan, subject to the caveats listed in the attachment.

In this instance the Inspectorate intends to issue a Notice under Regulation 28(4) of the Water Supply (Water Quality) Regulations 2016, as amended, that requires the Company to mitigate the risk of Nitrate that has been identified as a potential danger to human health from the water supplied from [REDACTED]

It is expected that the Company will continue to monitor treated water Nitrate concentrations, and that it will take all reasonable steps to prevent contraventions of the Nitrate standard.

I am copying this letter to:

- Jon Ashley and Kevin Ridout at Ofwat;
- Elinor Smith and John Collins at the Environment Agency;
- Tony Redmond (CCW Chair, London and South East)
- Anna Bradley (Chair of Customer Challenge Group)

Please contact Sue Pennison ([Sue.Pennison@defra.gsi.gov.uk](mailto:Sue.Pennison@defra.gsi.gov.uk)) with any queries relating to this letter.

Yours sincerely

A handwritten signature in black ink that reads "Milo Purcell". The signature is written in a cursive style.

Milo Purcell  
Deputy Chief Inspector

PERIODIC REVIEW 2019

SUMMARY OF DWI ASSESSMENT – LETTER OF SUPPORT

<b>Comment</b>	
<b><u>Water company:</u></b>	Southern Water Services Ltd.
<b><u>DWI scheme reference(s):</u></b>	██████████
<b><u>Scheme name:</u></b>	██████████ - Nitrate
<b><u>Proposal:</u></b>	Provision of increased blending and monitoring facilities at ██████████ to secure or facilitate compliance with the Nitrate standard for drinking water quality reasons.
<b><u>Supporting evidence:</u></b>	Risk assessment reports for ██████████ dated 13/10/2017, submitted on 20/10/2017 and Twyford Reservoir dated 25/08/2017, submitted on 20/10/2017.  Letter reference 28/12/2017 from Ian McAulay.
<b><u>Conclusion:</u></b>	Subject to the caveats listed below, the Inspectorate supports the need for the following scheme:  Increased blending with water from ██████████ and increased monitoring.
<b><u>Timescale:</u></b>	Completion date: 31 December 2021
<b><u>Estimated cost:</u></b>	Estimated capital costs: £2.2m Estimated net additional operating costs: £0pa
<b><u>Legal Instrument Required:</u></b>	Notice under Regulation 28 (4)
<b><u>Caveats:</u></b>	N/A
<b><u>Comment:</u></b>	DWI has no role in determining proportional allocation of expenditure. Where DWI technical support is given, this should not be taken by the company to imply that the scheme will be partially or wholly funded as a Quality item.  Schemes that require a legal instrument are considered necessary to meet statutory drinking water quality requirements. These schemes will be transposed to formal programmes of work by DWI as soon as possible and their implementation and completion will be monitored, audited and closure confirmed by DWI.



guardians of drinking water quality

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30 May 2018

Mr Ian McAulay  
Chief Executive  
Southern Water Services Ltd.  
Southern House  
Yeoman Road  
Worthing  
West Sussex  
BN13 3NX

Dear Mr McAulay,

### **PERIODIC REVIEW 2019: Southern Water Services Ltd.**

**DWI Scheme reference:** [REDACTED] - Nitrate

### **FINAL DECISION LETTER**

The Inspectorate has completed its detailed assessment of the scheme proposed by Southern Water to provide treatment facilities to secure or facilitate compliance with the Nitrate standard for drinking water quality reasons in the [REDACTED]

The detailed assessment also took in to consideration the outcome of the risk assessment report submitted to the Inspectorate as required by regulation 28(1) of the Water Supply (Water Quality) Regulations 2016 for the [REDACTED]

A summary of the outcome of our assessment of this scheme is attached. Based on the information submitted by the Company, the Inspectorate supports the need for a scheme to reduce Nitrate concentrations in treated water for water quality reasons, however there is insufficient evidence that the scheme preferred by the company will be effective. The supported scheme shall be included by the Company in its Final Business Plan, subject to the caveats listed in the attachment.

In this instance the Inspectorate intends to issue a Notice under Regulation 28(4) of the Water Supply (Water Quality) Regulations 2016, as amended, that requires the Company to mitigate the risk of Nitrate that has been identified as a potential danger to human health from the water supplied from [REDACTED]

It is expected that the Company will continue to monitor treated water Nitrate concentrations, and that it will take all reasonable steps to prevent contraventions of the Nitrate standard.

I am copying this letter to:

- Jon Ashley and Kevin Ridout at Ofwat;
- Elinor Smith and John Collins at the Environment Agency;
- Tony Redmond (CCW Chair, London and South East)
- Anna Bradley (Chair of Customer Challenge Group)

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Yours sincerely

A handwritten signature in black ink that reads "Milo Purcell".

Milo Purcell  
Deputy Chief Inspector

PERIODIC REVIEW 2019

SUMMARY OF DWI ASSESSMENT – LETTER OF SUPPORT

<b>Comment</b>					
<b><u>Water company:</u></b>	Southern Water Services Ltd.				
<b><u>DWI scheme reference(s):</u></b>	████████				
<b><u>Scheme name:</u></b>	████████ - Nitrate				
<b><u>Proposal:</u></b>	The current proposal is to re-use a previously abandoned borehole on site. However there is currently insufficient evidence to support this proposal at present. The company are therefore required to complete investigations into the suitable mitigation for Nitrate at this site.				
<b><u>Supporting evidence:</u></b>	<p>Risk assessment report as follows;</p> <table border="1" style="margin-left: 20px;"> <thead> <tr> <th style="text-align: left;">Site</th> <th style="text-align: left;">Assessed</th> </tr> </thead> <tbody> <tr> <td>████████</td> <td>22/08/2017</td> </tr> </tbody> </table> <p>Letter reference 28 December 2017 from Ian McAulay.</p>	Site	Assessed	████████	22/08/2017
Site	Assessed				
████████	22/08/2017				
<b><u>Conclusion:</u></b>	<p>Subject to the caveats listed below, the Inspectorate supports the need for the following scheme:</p> <p>Identify and deliver an appropriate scheme for the mitigation of Nitrate.</p>				
<b><u>Timescale:</u></b>	Completion date: 31 December 2022 (current preferred solution)				
<b><u>Estimated cost:</u></b>	Estimated capital costs: £1.5m (current preferred solution)				
<b><u>Legal Instrument Required:</u></b>	Notice under Regulation 28 (4)				
<b><u>Caveats:</u></b>	The company must complete investigations and produce evidence in order to determine the most appropriate mitigation measures.				
<b><u>Comment:</u></b>	<p>DWI has no role in determining proportional allocation of expenditure. Where DWI technical support is given, this should not be taken by the company to imply that the scheme will be partially or wholly funded as a Quality item.</p> <p>Schemes that require a legal instrument are considered necessary to meet statutory drinking water quality requirements. These schemes will be transposed to formal programmes of work by DWI as soon as possible and their implementation and</p>				

	completion will be monitored, audited and closure confirmed by DWI.
--	---



guardians of drinking water quality

## DRINKING WATER INSPECTORATE

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DWI Website: <http://www.dwi.gov.uk>

30 May 2018

Ian McAulay  
Chief Executive  
Southern Water Services Ltd.  
Southern House  
Yeoman Road  
Worthing  
West Sussex  
BN13 3NX

Dear Mr McAulay,

### **PERIODIC REVIEW 2019: Southern Water Services Ltd.**

**DWI Scheme reference:** [REDACTED] - Nitrate

### **FINAL DECISION LETTER**

The Inspectorate has completed its detailed assessment of the scheme proposed by Southern Water to provide catchment management to secure or facilitate compliance with the Nitrate standard for drinking water quality reasons in the [REDACTED]

The detailed assessment also took in to consideration the outcome of the risk assessment reports submitted to the Inspectorate as required by regulation 28(1) of the Water Supply (Water Quality) Regulations 2016 for the [REDACTED]

A summary of the outcome of our assessment of this scheme is attached. Based on the information submitted by the Company, the Inspectorate supports the need for a scheme to reduce Nitrate concentrations in treated water for water quality reasons, and the supported scheme shall be included by the Company in its Final Business Plan, subject to the caveats listed in the attachment.

In this instance the Inspectorate intends to issue a Notice under Regulation 28(4) of the Water Supply (Water Quality) Regulations 2016 for the purposes of securing or facilitating compliance with Regulation 4 of the regulations.

It is expected that the Company will continue to monitor treated water Nitrate concentrations, and that it will take all reasonable steps to prevent contraventions of the Nitrate standard.

I am copying this letter to:

- Jon Ashley and Kevin Ridout at Ofwat;
- Elinor Smith and John Collins at the Environment Agency;
- Tony Redmond (CCW Chair, London and South East)
- Anna Bradley (Chair of Customer Challenge Group)

Please contact Sue Pennison ([Sue.Pennison@defra.gsi.gov.uk](mailto:Sue.Pennison@defra.gsi.gov.uk)) with any queries relating to this letter.

Yours sincerely



**Milo Purcell**

Deputy Chief Inspector

PERIODIC REVIEW 2019

SUMMARY OF DWI ASSESSMENT – LETTER OF SUPPORT

<b>Comment</b>																
<b><u>Water company:</u></b>	Southern Water Services Ltd.															
<b><u>DWI scheme reference(s):</u></b>	██████████															
<b><u>Scheme name:</u></b>	██████████ catchment management - Nitrate															
<b><u>Proposal:</u></b>	Provision of catchment in the catchments of ██████████ ██████████ to secure or facilitate compliance with the Nitrate standard for drinking water quality reasons.															
<b><u>Supporting evidence:</u></b>	<p>Risk assessment reports for;</p> <table border="1"> <thead> <tr> <th>Catchment</th> <th>Dated</th> <th>Received</th> </tr> </thead> <tbody> <tr> <td>██████████</td> <td>21/08/17</td> <td>20/10/17</td> </tr> <tr> <td>██████████</td> <td>05/06/17</td> <td>20/10/17</td> </tr> <tr> <td>██████████</td> <td>18/09/17</td> <td>20/10/17</td> </tr> <tr> <td>██████████</td> <td>09/11/17</td> <td>20/10/17</td> </tr> </tbody> </table> <p>Letter reference 28 December 2017 from Ian McAulay and the meeting between the Inspectorate and the company, held at DWI on 14 February 2018.</p>	Catchment	Dated	Received	██████████	21/08/17	20/10/17	██████████	05/06/17	20/10/17	██████████	18/09/17	20/10/17	██████████	09/11/17	20/10/17
Catchment	Dated	Received														
██████████	21/08/17	20/10/17														
██████████	05/06/17	20/10/17														
██████████	18/09/17	20/10/17														
██████████	09/11/17	20/10/17														
<b><u>Conclusion:</u></b>	<p>Subject to the caveats listed below, the Inspectorate supports the need for the following scheme:</p> <p>Catchment management</p>															
<b><u>Timescale:</u></b>	Completion date: Currently unknown – long term, beyond a single AMP.															
<b><u>Estimated cost:</u></b>	<p>Estimated capital costs: £0m</p> <p>Estimated net additional operating costs: £795,619</p>															
<b><u>Legal Instrument Required:</u></b>	Notice under regulation 28(4).															
<b><u>Caveats:</u></b>	N/A															
<b><u>Comment:</u></b>	<p>DWI has no role in determining proportional allocation of expenditure. Where DWI technical support is given, this should not be taken by the company to imply that the scheme will be partially or wholly funded as a Quality item. It is noted that there is a WINEP scheme for catchment investigations to identify sources of Nitrate leading to an action plan for meeting the drinking water standard(s) at the sites listed above.</p> <p>Schemes that require a legal instrument are considered necessary to meet statutory drinking water quality requirements. These schemes will be transposed to formal programmes of work by DWI as</p>															

	soon as possible and their implementation and completion will be monitored, audited and closure confirmed by DWI.
--	---



guardians of drinking water quality

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30 May 2018

Ian McAulay  
Chief Executive  
Southern Water Services Ltd.  
Southern House  
Yeoman Road  
Worthing  
West Sussex  
BN13 3NX

Dear Mr McAulay,

### **PERIODIC REVIEW 2019: Southern Water Services Ltd.**

**DWI Scheme reference:** [REDACTED] - Nitrate

### **FINAL DECISION LETTER**

The Inspectorate has completed its detailed assessment of the scheme proposed by Southern Water to provide catchment management to secure or facilitate compliance with the Nitrate standard for drinking water quality reasons in the [REDACTED]

The detailed assessment also took in to consideration the outcome of the risk assessment reports submitted to the Inspectorate as required by regulation 28(1) of the Water Supply (Water Quality) Regulations 2016 for the [REDACTED]

A summary of the outcome of our assessment of this scheme is attached. Based on the information submitted by the Company, the Inspectorate supports the need for a scheme to reduce Nitrate concentrations in treated water for water quality reasons, and the supported scheme shall be included by the Company in its Final Business Plan, subject to the caveats listed in the attachment.

In this instance the Inspectorate intends to issue a Notice under Regulation 28(4) of the Water Supply (Water Quality) Regulations 2016 for the purposes of securing or facilitating compliance with Regulation 4 of the regulations.

It is expected that the Company will continue to monitor treated water Nitrate concentrations, and that it will take all reasonable steps to prevent contraventions of the Nitrate standard.

I am copying this letter to:

- Jon Ashley and Kevin Ridout at Ofwat;
- Elinor Smith and John Collins at the Environment Agency;
- Tony Redmond (CCW Chair, London and South East)
- Anna Bradley (Chair of Customer Challenge Group)

Please contact Sue Pennison ([Sue.Pennison@defra.gsi.gov.uk](mailto:Sue.Pennison@defra.gsi.gov.uk)) with any queries relating to this letter.

Yours sincerely



**Milo Purcell**

Deputy Chief Inspector

PERIODIC REVIEW 2019

SUMMARY OF DWI ASSESSMENT – LETTER OF SUPPORT

<b>Comment</b>																						
<b><u>Water company:</u></b>	Southern Water Services Ltd.																					
<b><u>DWI scheme reference(s):</u></b>	████████																					
<b><u>Scheme name:</u></b>	████████████████████ - Nitrate																					
<b><u>Proposal:</u></b>	Provision of catchment in the catchments of ████████ ████████ ██████████ ██████████ ██████████ ██████████ ████████ to secure or facilitate compliance with the Nitrate standard for drinking water quality reasons.																					
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<b><u>Timescale:</u></b>	Completion date: Currently unknown – long term, beyond a single AMP.																					
<b><u>Estimated cost:</u></b>	<p>Estimated capital costs: £0m                      Estimated net additional operating costs: £944,780</p>																					
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guardians of drinking water quality

## DRINKING WATER INSPECTORATE

Area 1A  
Nobel House  
17 Smith Square London  
SW1P 3JR

Enquiries: 030 0068 6400

E-mail: [milo.purcell@defra.gsi.gov.uk](mailto:milo.purcell@defra.gsi.gov.uk)  
DWI Website: <http://www.dwi.gov.uk>

30 May 2018

Ian McAulay  
Chief Executive  
Southern Water Services Ltd.  
Southern House  
Yeoman Road  
Worthing  
West Sussex  
BN13 3NX

Dear Mr McAulay,

### **PERIODIC REVIEW 2019: Southern Water Services Ltd.**

**DWI Scheme reference: [REDACTED] catchment - Nitrate**

### **FINAL DECISION LETTER**

The Inspectorate has completed its detailed assessment of the scheme proposed by Southern Water to provide catchment management to secure or facilitate compliance with the Nitrate standard for drinking water quality reasons in the [REDACTED] catchment.

The detailed assessment also took in to consideration the outcome of the risk assessment reports submitted to the Inspectorate as required by regulation 28(1) of the Water Supply (Water Quality) Regulations 2016 for the [REDACTED]

A summary of the outcome of our assessment of this scheme is attached. Based on the information submitted by the Company, the Inspectorate supports the need for a scheme to reduce Nitrate concentrations in treated water for water quality reasons, and the supported scheme shall be included by the Company in its Final Business Plan, subject to the caveats listed in the attachment.

In this instance the Inspectorate intends to issue a Notice under Regulation 28(4) of the Water Supply (Water Quality) Regulations 2016 for the purposes of securing or facilitating compliance with Regulation 4 of the regulations.

It is expected that the Company will continue to monitor treated water Nitrate concentrations, and that it will take all reasonable steps to prevent contraventions of the Nitrate standard.

I am copying this letter to:

Department for Environment,  
Food and Rural Affairs

Home Page: [www.dwi.gov.uk](http://www.dwi.gov.uk)  
E mail: [dwi.enquiries@defra.gsi.gov.uk](mailto:dwi.enquiries@defra.gsi.gov.uk)

Llywodraeth Cymru  
Welsh Government

- Jon Ashley and Kevin Ridout at Ofwat;
- Elinor Smith and John Collins at the Environment Agency;
- Tony Redmond (CCW Chair, London and South East)
- Anna Bradley (Chair of Customer Challenge Group)

Please contact Sue Pennison ([Sue.Pennison@defra.gsi.gov.uk](mailto:Sue.Pennison@defra.gsi.gov.uk)) with any queries relating to this letter.

Yours sincerely

A handwritten signature in blue ink that reads "Milo Purcell". The signature is written in a cursive style.

**Milo Purcell**  
Deputy Chief Inspector



	completion will be monitored, audited and closure confirmed by DWI.
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