

AFFINITY WATER LIMITED

**UNDERTAKING FOR THE PURPOSES OF SECTION 19 OF
THE WATER INDUSTRY ACT 1991**

THIS UNDERTAKING is given by Affinity Water Limited ("the Company") pursuant to Section 19(1)(b) of the Water Industry Act 1991 on 22nd July 2019.

WHEREAS:-

- (A) The Company has been appointed by the Secretary of State for Environment, Food and Rural Affairs as a water undertaker pursuant to the Water Industry Act 1991 ("the Act").
- (B) Section 68(1)(a) of the Act requires every water undertaker supplying water to any premises for domestic or food production purposes to supply only water which is wholesome at the time of supply.
- (C) The Water Supply (Water Quality) Regulations 2016 as amended ("the Regulations") prescribe, for the purpose of determining the wholesomeness of water, requirements as to the concentrations or values of properties, elements, organisms and substances to be present in or absent from it.
- (D) This Undertaking is given pursuant to Section 19 of the Act for the purposes of securing or facilitating compliance with the Regulations.

THE COMPANY HEREBY UNDERTAKES AS FOLLOWS: -

- 1. **SUBJECT** to the following provisions, the Company shall carry out, or procure the carrying out of, the works, or other measures specified in the Schedule of Works.
- 2. **THE** Company undertakes to secure that each of the steps included in the Works is completed on or before the respective dates specified in the Schedule ("the Delivery Date"), provided that if after the giving of this undertaking the Company has good reason to believe that:
 - (a) it will be unable to secure the completion of any steps included in the Works on or before the relevant Target Date by reasons of acts, omissions or events not reasonably within its control, or
 - (b) in the light of engineering or other advice received after the date of this Undertaking, it is expedient to make modifications to the technical specification of any step included in the Works,

the Company shall forthwith deliver to the Secretary of State a proposed new undertaking in writing sealed by the Company in the form of this undertaking but modified to include the revised Target Date, or the proposed modification, or both and such proposed new undertaking shall, if accepted by the Secretary of State signing and dating a letter of acceptance, have effect from the date of acceptance as a new undertaking replacing this undertaking.

- 3. **IF** compliance is achieved with the requirements of any of the Regulations in advance of the Target Date or otherwise than by means of the Works, the

Company shall notify the Secretary of State in writing, specifying the nature and extent of compliance so achieved; and if the Secretary of State so notifies the Company this undertaking shall cease to apply to the extent that compliance has actually been achieved.

IN WITNESS of which the Company has caused this Undertaking to be executed the day and year first before written.

EXECUTED as a DEED by
affixing the COMMON SEAL of
AFFINITY WATER LIMITED
in the presence of:


Director


Secretary



SCHEDULE OF WORKS

UNDERTAKING GIVEN BY AFFINITY WATER LIMITED TO SECURE OR FACILITATE COMPLIANCE WITH THE METALDEHYDE AND TOTAL PESTICIDES PARAMETER

REFERENCE NO: AFW-2019-00002

DATE: 22nd JULY 2019

1	WATER TREATMENT WORKS AND CONNECTED SUPPLY SYSTEM All Water Treatment Works (WTWs) listed in the Annex to this Schedule of Works, and which are subject to revision as necessary, and all zones in the connected supply systems, which are subject to revision as necessary.
2	NATURE OF CONTRAVENTION AND ITS CAUSE That metaldehyde and total pesticides parameters exceed or are at risk of exceeding the prescribed concentration in the zones listed in the Annex to this Schedule because of concentrations measured in raw water sources.
3	MAXIMUM DEVIATION OF QUALITY The prescribed concentration for metaldehyde (individual pesticide) is 0.1µg/l and for total pesticides is 0.5 µg/l and remain so irrespective of this undertaking. However, the prescribed concentration(s) are at risk of being exceeded while the remedial steps set out in this Schedule are being undertaken.

4	Steps to be taken	Delivery Date
(a)	Ensure that metaldehyde has been assessed as a hazard as part of the regulation 28 Risk Assessment for the supply systems supplied by all Water Treatment Works (WTWs) listed in the Annex to this Schedule of Works, according to a Drinking Water Safety Plan approach.	Ongoing
(b)	<ul style="list-style-type: none"> i) The Company shall implement all actions as defined in their actions plans submitted to the Inspectorate on 30 September 2014. ii) The Company shall implement additional transitional arrangements during the period of stock use, ensuring the maintenance of supportive relationships with farming community. 	Ongoing as necessary until metaldehyde use is restricted in the open environment
(c)	<p>Medium Term measures:</p> <ul style="list-style-type: none"> i) Continue with enhanced raw water monitoring programme to inform risk. ii) Where ongoing significant risks are identified the Company shall continue the DWSP approach and appropriate measures to mitigate the risk shall continue to be implemented. iii) Liaise with the Environment Agency where there are continued detections in raw water. 	Ongoing until the revocation of this undertaking.
(d)	<p>Long term measures:</p> <p>Continually appraise the risk of metaldehyde and the total pesticides parameters as hazards in raw waters as part of the regulation 27/28 Risk Assessment for the supply system(s) associated with each relevant treatment works according to a Drinking Water Safety Plan approach, and ensure that Regulation 28 documents are regularly reviewed and updates provided as appropriate.</p>	Ongoing
(e)	<p>Reporting:</p> <p>Provide DWI with reports on progress with carrying out the steps set out in the undertaking.</p> <p>Reports to include at least the following details:</p> <ul style="list-style-type: none"> i) Metaldehyde monitoring data for the raw and final water at the WTWs listed in the Annex including trend analysis; ii) Current state of progress with the catchment measures; iii) Current state of progress with operational controls and summary of effectiveness. 	<p>Annually for the duration of the Undertaking. Reporting periods are January to December. Reports to be submitted by 31 January each year that the Undertaking is in place, (except for January 2025)</p>

4	Steps to be taken	Delivery Date
(f)	<p>Provide a final report to DWI on the efficacy of the catchment solutions and the conclusions drawn from other work carried out as part of this Undertaking.</p> <p>Include, as evidence for closure for this scheme, appropriate documentation to confirm that the actions set out in this schedule of work have been completed and the extent to which the required outcomes have been achieved.</p>	<p>When there is sufficient evidence of suitable mitigation of the risk (i.e. 3 years samples below 0.1ug/l and evidence of stable or decreasing raw water trends) or by 31 March 2025</p>

ANNEX TO SCHEDULE**AFFINITY WATER****Undertaking in respect of the metaldehyde parameter**

Treatment Works	Zones supplied from the WTW	Population of the zones	Risk Assessment Reference (name of Regulation 28 Report or Supply System)
Chertsey	Z066 Woking Z069 Pirbright/Send	71086 70524	Y078 Chertsey WTW
Egham	Z063 Southall Z064 Bagshot/Sunninghill Z065 Ashford Z084 Feltham Z086 Staines	63141 77620 96116 41783 48640	Y079 Egham WTW
Iver	Z047 Ickenham/Denham Z048 Northwood Z050 Barnet Z051 East Barnet Z054 Finchley Z055 Rayners Lane Z056 Harrow Z057 Colindale/Kingsbury Z059 Uxbridge Z060 Yeading Z061 Greenford/Northolt Z062 Wembley Z085 West Drayton Z087 Ruislip Z089 Sudbury Z090 Hayes	47542 61571 56908 74530 75740 62711 95079 85410 61266 59175 52202 55332 53671 67437 47546 38594	Y077 Iver WTW
Walton	Z067 Weybridge/Woodham Z068 Walton	47443 56926	Y080 Walton WTW
Ardleigh	Z073 Mixed Zone Z074 Surface Zone	47417 17992	Y098 Ardleigh WTW