

Wethersfield SDO

Drainage and Drinking Water Assessment

Home Office

September 2024

Prepared for:

Home Office

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1. Introduction

- 1.1 AECOM Limited (AECOM) has been commissioned by the Home Office (the 'Applicant') to prepare a Drainage and Drinking Water Assessment, covering potable water, surface water drainage and foul drainage and sewerage to assist in discharging a planning condition pursuant to the Town and Country Planning (Former RAF Airfield Wethersfield) (Accommodation for Asylum-Seekers etc.) Special Development Order (SDO) 2024. The SDO was granted for the temporary siting of asylum accommodation (hereafter referred to as the 'the Proposed Development') at part of the former Ministry of Defence Police and Guarding Agency (MDPGA) Wethersfield site (MDPGA Wethersfield), Braintree, Essex (hereafter referred to as 'the Site').
- 1.2 The Site is located within the former MDPGA Wethersfield and comprises existing buildings, areas of hardstanding, estate roads, amenity grassland and trees. The Site is abutted to the south by a number of Service Family Accommodation (SFA) buildings which are currently vacant, having formerly been occupied by UK service families. The nearest residential settlement to the Site is the village of Wethersfield approximately 1 kilometre (km) to the south from the Site.
- 1.3 The wider site extends to approximately 322.09 hectares (ha) in area, whilst the main operational works area (hereafter referred to as the 'Operational Area') is approximately 40.57 ha, as defined by the red line on the Site Layout Plan, excluding the land hatched in red (see Figure 1 in Appendix A).
- 1.4 The Proposed Development comprises the repurposing of part of the Site to provide accommodation for up to 1,245 service users for an operational three year temporary period, followed by an additional period of up to 6 months to allow the Site to be reinstated after operations have ceased. The accommodation will comprise a combination of existing accommodation blocks which have been refurbished, a further two blocks (formerly offices) to be refurbished and the installation of modular buildings.
- 1.5 Since April 2023, the Home Office has been relied on planning permission under Class Q of Part of 19 Schedule 2 to the Town and Country Planning (General Permitted Development) (England) Order 2015 (as amended). This permission expired on 11th April 2024. In January 2024 the Home Office submitted a planning proposal to obtain further consent pursuant to an SDO for the temporary siting of asylum accommodation (sui generis) for a period of three years together with the necessary associated site infrastructure and for an additional period of up to 6 months to allow the site to be reinstated after operations have ceased (i.e. maximum total 3.5 years). The SDO came into force on 11th April 2024.
- 1.6 The purpose of this document is to discharge condition 6 relating to drainage and drinking water within Schedule 3 of the SDO to ensure that the Home Office can continue to operate the Site under the SDO as asylum accommodation for a further three years.
- 1.7 This report addresses parts (1), (2) and (3) of the following condition within Schedule 3 of the SDO:

"Drainage and drinking water

6.—(1) There must be no net increase in the rate or volume of surface water discharge from the Order land as a result of the authorised development.

(2) No more than 580 service users may be accommodated on the Order land unless—

(a) the Home Secretary has submitted to the Secretary of State a foul and surface water drainage systems report in respect of the authorised development, identifying what measures, if any, it is necessary to adopt and maintain in relation to such systems before more than 580, and up to 1,700, service users are accommodated on the Order land;

(b) the Secretary of State has approved the report;

(c) any measures identified in the approved report as necessary to be adopted before more than 580, and up to 1,700, service users are accommodated have been implemented.

(3) No more than 580 service users may be accommodated on the Order land unless—

(a) the Home Secretary has submitted to the Secretary of State a potable water report in respect of the authorised development, identifying what steps, if any, must be taken to ensure that there is an adequate supply of potable water to the authorised development before more than 580, and up to 1,700 service users are accommodated on the Order land;

(b) the Secretary of State has approved the report;

(c) any steps identified in the approved report as necessary to be taken before more than 580, and up to 1,700, service users are accommodated have been taken."

1.8 This document provides a review of planned drainage and drinking water demand and capacity following discussions with Anglian Water Services (AWS) for the following systems:

- Potable water;
- Surface water drainage; and
- Foul water and sewerage.

Existing Infrastructure and Demand

1.9 The Site is served by [REDACTED] water infrastructure, [REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

1.10 The current occupancy of the Site is 580 service users and the planned occupancy of the Site is up to a maximum of 1,245 service users. In August 2024, the maximum occupancy was revised down from 1,700 service users by the Home Office, however the pre-planning enquiry submitted to AWS in April 2024 was based on 1,700 service users. The planned occupancy foul load has been estimated using flows for living accommodation of 90 litres per head per day (l/head/day) (similar to student living accommodation) plus 15 l/head/day for a restaurant use, serving bar snacks and meals – which gives a total foul load of 105 l/head/day. This is lower than the 150 l/head/day that would be expected from standard residential developments due to resident service users within the Site using shared facilities, i.e. canteens, toilet blocks etc. All forecast demand estimates are taken from Flows and Loads 4, British Water, 2013.

1.11 AWS have stated that the current Maximum Daily Demand (MDD) potable water flow to the Site is 281m³/day, which includes the existing 580 service users, see correspondence in Appendix B. The potable water and foul demand of the Proposed Development in relation to the above flow is discussed in sections 2 and 3, below.

Consultation

1.12 This document has been prepared in consultation with AWS. Essex County Council as Lead Local Flood Authority (LLFA) have not been consulted at this stage as the requirements of the SDO Conditions are that, for Flood Management, the rate and volume of surface water runoff from the Site is not to be increased above the existing levels, which will be achieved given the nature of the Proposed Development i.e. reusing existing buildings and installation of temporary modular accommodation on existing hardstanding areas.

1.13 A pre-planning enquiry (PPE) was submitted to AWS on 18th April 2024. AWS responded with a report which gives confirmation on whether their potable water and foul water networks have capacity to serve the Proposed Development, and budget costs for reinforcement if it is required. Further correspondence was received from AWS to provide clarification on certain aspects.

1.14 Copies of correspondence with AWS are included in Appendix B.

2. Potable Water

Existing Connection

- 2.1 It is understood from testing undertaken at the Site by [REDACTED] that there is a consistent supply of circa 5 litres per second (l/s) provided from the AWS potable water network. [REDACTED] [REDACTED] Home Office for the Proposed Development. Correspondence with AWS confirmed that the maximum flow in April/May 2023 was 5.5l/s, which corresponds with [REDACTED] investigations.
- 2.2 AWS stated in the pre-planning enquiry response (Appendix B), that the additional occupancy, to achieve an overall total of 1,700 service users (i.e. an additional 1,120 service users), would mean that the existing AWS network would have insufficient capacity to supply the Proposed Development. The maximum occupancy of the Site has been reduced by the Home Office since the initial pre-planning enquiry response was submitted to AWS.
- 2.3 In subsequent correspondence AWS have confirmed that, based on the current occupancy of 580 service users, an additional 200 service users can be provided for by the existing 4" main. i.e. a total of 780 service users can be supplied with potable water before network capacity, including the existing pump, would need to be reviewed. To supply a total of 1,245 service users, network reinforcement would be required.
- 2.4 Booster tanks have been provided on site to store a volume of potable water to cope with peak demand times. Provision of the booster tanks has not been taken account within AWS' estimates.
- 2.5 Booster tanks are located within each of the refurbished blocks. There are 7no. booster tanks in place at the time of writing, with a tank volume ranging between 4m³ and 6m³, giving a total volume of 32m³. These have been sized to ensure that they are drained down within 12hrs of being filled. Booster tanks fill overnight (low demand times) and then are drained down during the day.
- 2.6 The current maintenance regime includes weekly visual inspection of the booster tanks by site staff, with water quality testing carried out every two weeks. This arrangement is essentially modular, meaning that the number of tanks can be increased as required to meet site demand without increasing the peak flow rate required from the AWS main.

Network Reinforcement

- 2.7 AWS have stated that offsite network reinforcement is required to supply the proposed additional demand for the Proposed Development. This includes [REDACTED] report in Appendix B.
- 2.8 A budget cost of £242,242.05 (inclusive of VAT) was given by AWS for this design and construction work based on an additional 1,120 service users.
- 2.9 The design and construction of this reinforcement would take circa 18 months. Decommissioning of the Proposed Development is due to start in April 2027, continuing for a period of up to 6 months. Therefore, the feasibility and benefits of providing network reinforcement within this timeframe would be limited.
- 2.10 Following review of the AWS proposals, it is concluded that peak demand requirements can be met by using on-site booster tanks for each accommodation block, and maintained as per the current maintenance regime.

Water Quality

- 2.11 Water wholesomeness tests were undertaken on 30/10/2023 by [REDACTED] and on 13/12/2023 by Braintree District Council (BDC). The laboratory analysis of both sets of samples came back showing that the results were within the Drinking Water Inspectorate's (DWI's) acceptable limits for drinking water, and without any concerns having been raised. The laboratory results are provided in Appendix C.

3. Flood Management

Surface Water Drainage

- 3.1 The impermeable areas (roof and hardstanding areas) within the Site drain via buried surface water drains to outfalls to local ditches/watercourses. Impermeable areas typically discharge at higher rates and volumes of surface water runoff than greenfield areas, which would mean that if there was an increase in impermeable area the resultant increase in surface water runoff would need to be managed carefully.
- 3.2 The Proposed Development consists of reusing/refurbishing existing buildings with no change to their footprint, plus constructing modular units on top of existing areas of hardstanding with no change to the hardstanding areas themselves.
- 3.3 Therefore, there will be no increase to the rate or volume of surface water runoff discharged from the Site during either construction or occupation of the Proposed Development.

Network Reinforcement

- 3.4 Rehabilitation of surface water drains across the Site has been undertaken by [REDACTED] through root cutting and cure-in-place lining of pipe runs to improve the capacity and operation of the Site, including to mitigate the risk of surface water flooding.
- 3.5 Communication from AWS (Appendix B) has indicated that there are no public surface water sewers within the vicinity of the Proposed Development, and as the Site surface water drainage currently discharges to ditches/watercourses, public sewer network reinforcement will not be required for the Proposed Development.

4. Foul Water and Sewerage

Existing Connection

- 4.1 The private foul water systems present on the Site have an existing connection to the AWS foul network via an offsite sewer that passes through third party land to the south (which is wooded). This sewer has been maintained (most recently in August 2024) by AWS. The landowner to the south has not maintained an easement to the offsite sewer, and this has allowed it to become damaged by vegetation/root growth.
- 4.2 [REDACTED] have carried out visual checks, jetting and CCTV surveys of the on-site foul drainage serving the buildings which were proposed for use as part of the Proposed Development. Due to a lack of existing information on the foul water systems surveys were carried out initially to identify the network runs prior to any works. The surveys indicated that some repair work would be required to improve the pipe capacity. [REDACTED] carried out milling and replacement of collapsed pipes. Lining of the pipes was delayed over the winter due to high groundwater levels, however work recommenced in summer 2024.
- 4.3 Using an occupancy of 580 existing resident service users to 1,245 resident service users at 105 l/head/day, assuming an 18hr day, with a peaking factor of 6.6 for instantaneous flows gives the following demand:

Table 1: Estimated Foul Water Demand

	Population	Load (l/head/day)	Total Daily Load (m ³ /day)	Peak Flow (l/s)
Lower	580	105	61	6.2
Maximum	1245	105	131	13.3

- 4.4 A sewer of 225mm at a conservatively assumed gradient of 1:200 would have a capacity of 32.2l/s (using Colebrook White equation), which is sufficient for the estimated maximum peak flow rate 13.3 l/s. Therefore, the sewer would have sufficient capacity for the revised maximum population of 1,245 service users.
- 4.5 The connection point of the Site drainage to the AWS network will be as per the existing arrangement, which is at the nearby Wethersfield Water Recycling Centre (WRC).

Network Reinforcement

- 4.6 Initial discussions with AWS indicated that some network reinforcement would be required to meet the maximum foul demand for the Proposed Development based on 1,700 service users.
- 4.7 Further correspondence from AWS has determined that the nearby Wethersfield WRC has capacity for up to 105 l head/day for the additional site occupancy of 1,120 service users (an overall total of 1,700 service users), and therefore this would also serve a revised maximum population of 1,245 service users. Foul water from the Site discharges directly to the WRC via the dedicated private sewer as discussed in paragraphs 4.1 to 4.4, above, and therefore does not impact the AWS Wethersfield foul drainage network.

5. Summary and Conclusion

Connection Points and Capacity

- 5.1 The capacity analysis results of a pre-planning application to AWS state that reinforcement of the potable water network is required to serve an additional population of 1,120 (i.e. to serve an overall total population of 1,700 service users). A budget estimate for design and construction of a new main has been provided by AWS, and AWS have indicated that an increase in population of 200 service users to a total population of 780 would trigger the requirement for reinforcement. However, this reinforcement would only be necessary to increase peak flow to the Site. The additional peak demand required for the Site up to a revised total population of 1,245 service users can be met through the use of booster tanks on the Site, i.e. without reinforcing the AWS supply network.
- 5.2 Testing conducted on site demonstrates that the water quality of the existing potable water supply is sufficient to meet the DWI's drinking water standards for wholesomeness.
- 5.3 Analysis by AWS indicates that there is sufficient capacity to serve the predicted foul water demand for the Proposed Development.
- 5.4 Review of the surface water discharge arising from the Proposed Development indicates that no increase in impermeable areas and runoff volumes is anticipated, therefore the existing surface water drainage network will not be impacted.

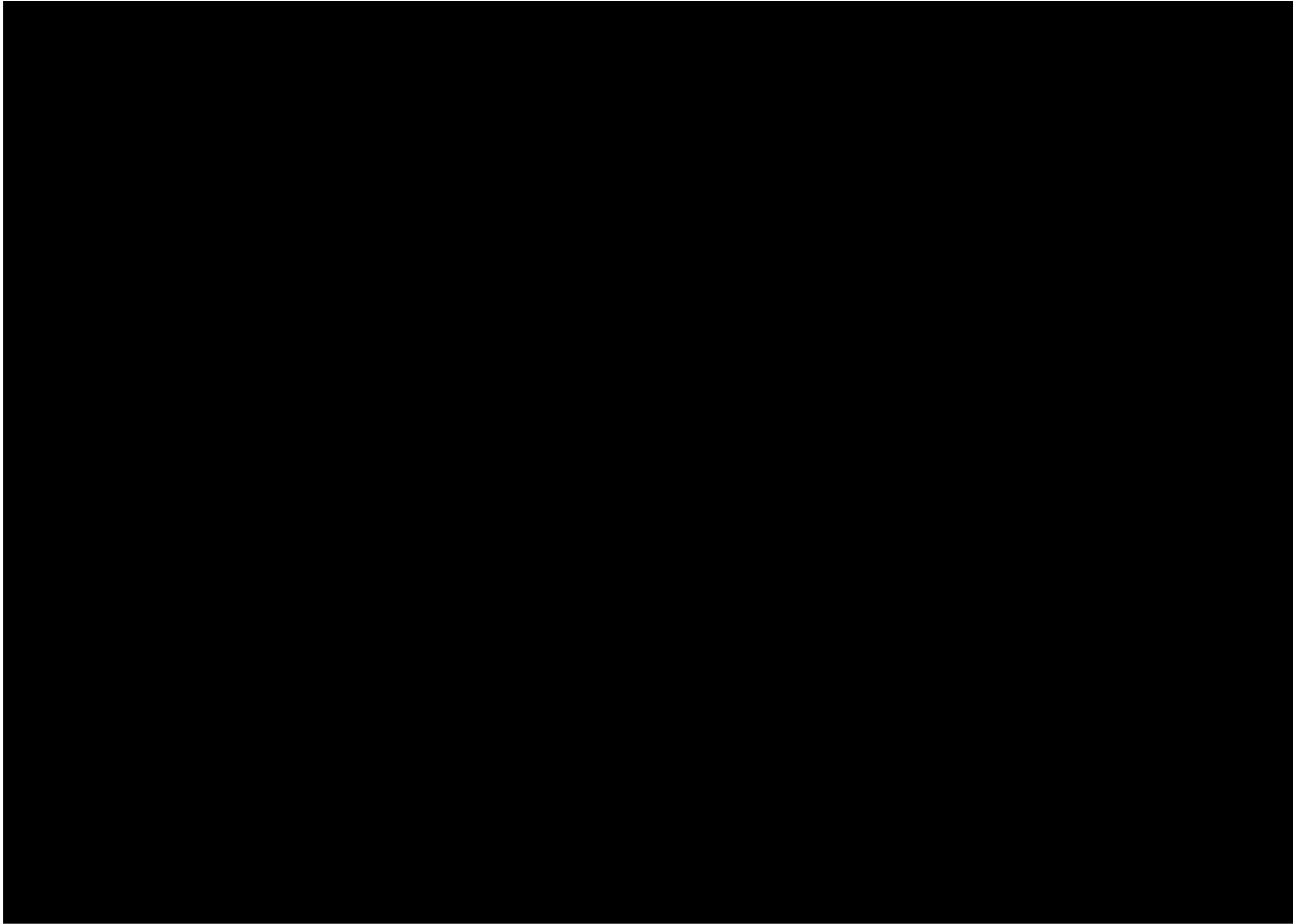
Network Reinforcement

- 5.5 In conclusion, network reinforcement to the AWS network will not be required to supply a total population of 1,245 service users. The required infrastructure relating to foul water to accommodate the Proposed Development is within the capacity of the Wethersfield WRC. Private sewers within the Site are being repaired by the Site contractor, [REDACTED] to improve their efficiency and operation as part of the Proposed Development.

Conclusion

- 5.6 On the basis of the findings of this report it is concluded that the following parts of Condition 6 can be discharged:
 - 1) There will be no net increase in the rate or volume of surface water discharge as a result of the Proposed Development since there will be no increase in impermeable area.
 - 2) In respect of the foul water system, AWS have confirmed that the nearby Wethersfield WRC has sufficient capacity to accommodate the Proposed Development (1,700 service users, and therefore, the revised population of 1,245 service users) and no further measures are required.
 - 3) AWS have confirmed that there is adequate supply of potable water for the current Site population of 580 service users and that the existing AWS network could be upgraded to provide capacity for the planned population of 1,245 service users. However, due to limited feasibility and benefits of design, construction and provision of this reinforcement within the timeframe of the Site's operation as temporary accommodation for service users (the Proposed Development is due to be decommissioned starting in April 2027), peak demand will be met on site through the use of booster tanks.

Appendix A – Existing Utility Plans



Appendix B – AWS Report and Correspondence



Pre-Planning Assessment Report Wethersfield

InFlow Reference: PPE-0207182

Assessment Type: Water & Used Water

Revised report issued: 11/07/2024



Thank you for submitting a pre-planning enquiry.

This has been produced for N/A.

Your reference number is **PPE-0207182**. This report was first published 06/06/2024 and has been revised following further consultation.

This report can be submitted as a drainage strategy for the development should it seek planning permission.

If you have any questions upon receipt of this report, you can submit a further question via InFlow. Alternatively, please contact the Planning & Capacity team on [REDACTED] or email [REDACTED]

Section 1 - Proposed development

The response within this report has been based on the following information which was submitted as part of your application:

List of planned developments	
Type of development	No. Of units
Residential institution	20

The anticipated residential build rate is:

Year	Y1
Build rate	20

Development type: Brownfield

Planning application status: Approved

Site grid reference number: TL7217832911

The comments contained within this report relate to the public water mains and sewers indicated on our records.

Your attention is drawn to the disclaimer in the useful information section of this report.

Section 2 - Assets affected

Our records indicate that there are no public water mains/public sewers or other assets owned by Anglian Water within the boundary of your development site. However, it is highly recommended that you carry out a thorough investigation of your proposed working area to establish whether any unmapped public or private sewers and lateral drains are in existence.

Due to the private sewer transfer in October 2011 many newly adopted public used water assets and their history are not indicated on our records. You also need to be aware that your development site may contain private water mains, drains or other assets not shown on our records. These are private assets and not the responsibility of Anglian Water but that of the landowner.

Section 3 - Water supply

In examining the available capacity for your development site we assess the capacity and costs for two categories of water main. These are:

Strategic

These are the offsite potable water mains which deliver water within an area to a large number of development sites often across a number of towns. The strategic provision of these water mains enables us to provide of the cheapest solution across a large geographical area.

Local reinforcement

These are localised reinforcement mains to enable us to provide water to your development site. On most sites we also have two categories of water mains the Spine Mains and Housing Estate Mains (HEMs). To support your budgeting arrangements we have also examined the estimated cost for delivering the onsite water mains needed for a site of your size.

Water Supply Network Capacity

There is insufficient capacity in the current network to supply this development site and therefore offsite reinforcements are needed. Our assessment has been based on a flow rate of 21.84l/s, if the flow rate you require is greater than this, please raise a further question through our customer portal. Details of the necessary upgrades can be found in the water infrastructure section of this report and the cost of these works are included in the infrastructure charge.

If you wish to proceed with the development then you will need to complete an application for a new supply. This is recommended to be done at the earliest opportunity as it could take a minimum of 18 months to install any offsite reinforcement works. The connection point for the site will be from the [REDACTED], Wethersfield.

It is recommended that you apply for a formal mains connection at the earliest opportunity to allow us to design and plan the delivery of your connection work. Additionally, please note that where offsite reinforcement work has been identified, it could take up to 18 months to complete the necessary offsite reinforcement depending on the level of complexity.

Budget Water Costs

The costs provided in this report are based on the current information available. These costs are provided as an indicative estimate to help inform you on a budget for supplying water to your site.

Your development site will be required to pay an **infrastructure charge** for each new property connecting to the public water network that benefits from Full planning permission. The infrastructure charge replaces the zonal charge as previously identified.

You will be required to pay an infrastructure charge upon connection for each new plot on your development site. The infrastructure charge are types of charges set out in Section 146(2) of the Water Industry Act 1991

The charge should be paid by anyone who wishes to build or develop a property and is payable upon request of connection.

- The Infrastructure Charge is based on the cost of any reinforcement and upgrades to our existing network("Network Reinforcements"), whether designed to address strategic or local capacity issues. For more information on our Infrastructure Charge, please see the 'Useful Information' section of this report.
- The Site-Specific costs are calculated at a 100% contribution on any new infrastructure that is required to be built to connect the development site to our existing network. This includes new infrastructure from (and including) the point of connection to our network. The development will receive an income offset in accordance with our 24-25 Developer Charging Arrangements on any new domestic or non-household domestic connection made to our network and applied to the water infrastructure charge as a plot connects.

Based on these budgetary costs, the cost to provide onsite water mains have been examined for your household properties and the estimated cost for delivering the onsite water mains needed for a site of your size is below:

Required Works	Number of units	Estimated cost
Estimated cost of onsite main delivery	20	£ To be confirmed on receipt of a formal application for a new water main (TBC)
Estimated cost of local mains reinforcement	N/A	Developer contribution not required
Estimated cost of site specific offsite main extension	N/A	£ 242245.05

Water Infrastructure Charge

Infrastructure charges are raised on a standard basis of one charge per new connection (one for water and one for sewerage). However, if the new connection is to non-household premises, the infrastructure charges is calculated according to the number and type of water fittings in the premises. This is called the "relevant multiplier" method of calculating the charge. Details of the relevant multiplier for each fitting can be found at our [website](#).

Our 24/25 Developer Charging Arrangements includes an income offset discount on new domestic connections made to our network and is applied when the plot connects to the water network. The associated water infrastructure charge for household plot connections and income offset discount has been provided below.

The Water Infrastructure charge for your dwellings is:

Infrastructure charge	Number of units	Total
£ TBC	20	£ TBC

The Infrastructure discount for your dwellings is:

Infrastructure discount	Number of units	Total
-£ TBC	20	-£ TBC

A detailed cost breakdown will be provided on receipt of a formal application for a new water main.

Alternatively, you may wish to have the onsite main delivered by a Self-lay Provider under terms set out in a self-lay agreement. For more information on water mains and self-lay of water mains, please visit our [website](#).

Please note that you should also budget for infrastructure charges on non-household premises where applicable and these will be calculated according to the number and type of water fittings in the premises. This is called the "relevant multiplier" method of calculating the charge and the relevant multiplier will be applied to the figures set out in our 2024-25 Developer Charging Arrangements to arrive at the amount payable. Details of the relevant multiplier for each fitting can be found on our [website](#).

Section 4 - Water recycling services

In examining the used water system we assess the ability for your site to connect to the public sewerage network without causing a detriment to the operation of the system. We also assess the receiving water recycling centre and determine whether the water recycling centre can cope with the increased flow and effluent quality arising from your development.

Water recycling centre

The foul drainage from the proposed development is in the catchment of Wethersfield Water Recycling Centre. We have assessed the additional flow from your development in line with the initial flow assumptions agreed in consultation. On the agreed basis of 100l/hd/day for a site occupancy of 1120, we can advise that Wethersfield WRC currently has permit headroom to accommodate the flows from your development site.

Anglian Water are obligated to accept the foul flows from your development with the benefit of planning consent and would therefore take the necessary steps to ensure that there is sufficient treatment capacity should the planning authority grant planning permission.

Used water network

Our assessment has been based on development flows connecting to the nearest accessible foul water sewer of the same size or greater pipe diameter to that required to drain the site. The infrastructure to convey foul water flows to the receiving sewerage network is assumed to be the responsibility of the developer. Conveyance to the connection point is considered as Onsite Work and includes all work carried out upstream from the point of connection, including making the connection to our existing network.

We note your proposal is to utilise the existing onsite private drainage for the new development flow. The information we hold indicates that the private foul water drainage serving your site discharges directly to the inlet of Wethersfield WRC and therefore, has no impact on the public sewer network performance.

As this is privately owned drainage we hold no information on its dimensions and therefore, can offer no assessment on its capacity. You will need to ensure in your design that this private drainage has sufficient capacity to convey the proposed flow.

On the basis of the assumed flow of 100l/hd/day for 1120 occupants, we would have no objection to the development discharging the new flows via this existing onsite private drainage.

Surface water disposal

Although a surface water assessment has not been requested, please note there are no public surface water sewers within the vicinity of the proposed development. Therefore Anglian Water will be unable to provide the site with a feasible solution of surface water disposal within the current assets. Alternative methods of surface water disposal will need to be investigated such as infiltration techniques or a discharge to a watercourse in accordance with the surface water management hierarchy as outlined in Building Regulations Part H.

The alternative is that a new surface water sewer is constructed which is used to convey your surface water to a watercourse or as part of a SuDS scheme, where appropriate. Subject to the sewer being designed in accordance with the current version of Sewerage Sector Guidance, the sewer can be put forward for adoption by Anglian Water under Section 104 of the Water Industry Act 1991. If the outfall is to a watercourse, the applicant will be required to obtain consent to discharge via the appropriate body.

If your site has no means of drainage due to third party land then you may be able to requisition Anglian Water, under Section 98, to provide a connection to the public sewer for domestic drainage purposes. As part of this option, you may wish to enter into a works agreement in accordance with Section 30 of the Anglian Water Authority Act 1977. This will allow you to design and construct the public sewer using Anglian Waters' statutory powers in accordance with Section 159/168 of the Water Industry Act 1991.

As you may be aware, Anglian Water will consider the adoption of SuDS provided that they meet the criteria outline in our SuDS adoption manual. This can be found on our [website](#).

We will adopt features located in public open space that are designed and constructed, in conjunction with the Local Authority and Lead Local Flood Authority (LLFA), to the criteria within our SuDS adoption manual. Specifically, developers must be able to demonstrate:

1. Effective upstream source control,
2. Effective exceedance design, and
3. Effective maintenance schedule demonstrating that the assets can be maintained both now and in the future with adequate access.

If you wish to look at the adoption of any SuDS then an expression of interest form can be found on our [website](#)

As the proposed method of surface water disposal is not relevant to Anglian Water; we suggest that you contact the relevant Local Authority, Lead Local Flood Authority, the Environment Agency or the Internal Drainage Board, as appropriate.

Trade Effluent

We note that you do not have any trade effluent requirements. Should this be required in the future you will need our written formal consent. This is in accordance with Section 118 of the Water Industry Act (1991).

Used Water Budget Costs

Your development site will be required to pay an Infrastructure charge for each new property connecting to the public water and sewerage network that benefits from Full planning permission. The infrastructure charge replaces the zonal charge as previously identified.

You will be required to pay an infrastructure charge upon connection for each new plot on your development site. The infrastructure charge are types of charges set out in Section 146(2) of the Water Industry Act 1991.

The charge should be paid by anyone who wishes to build or develop a property and is payable upon request of connection.

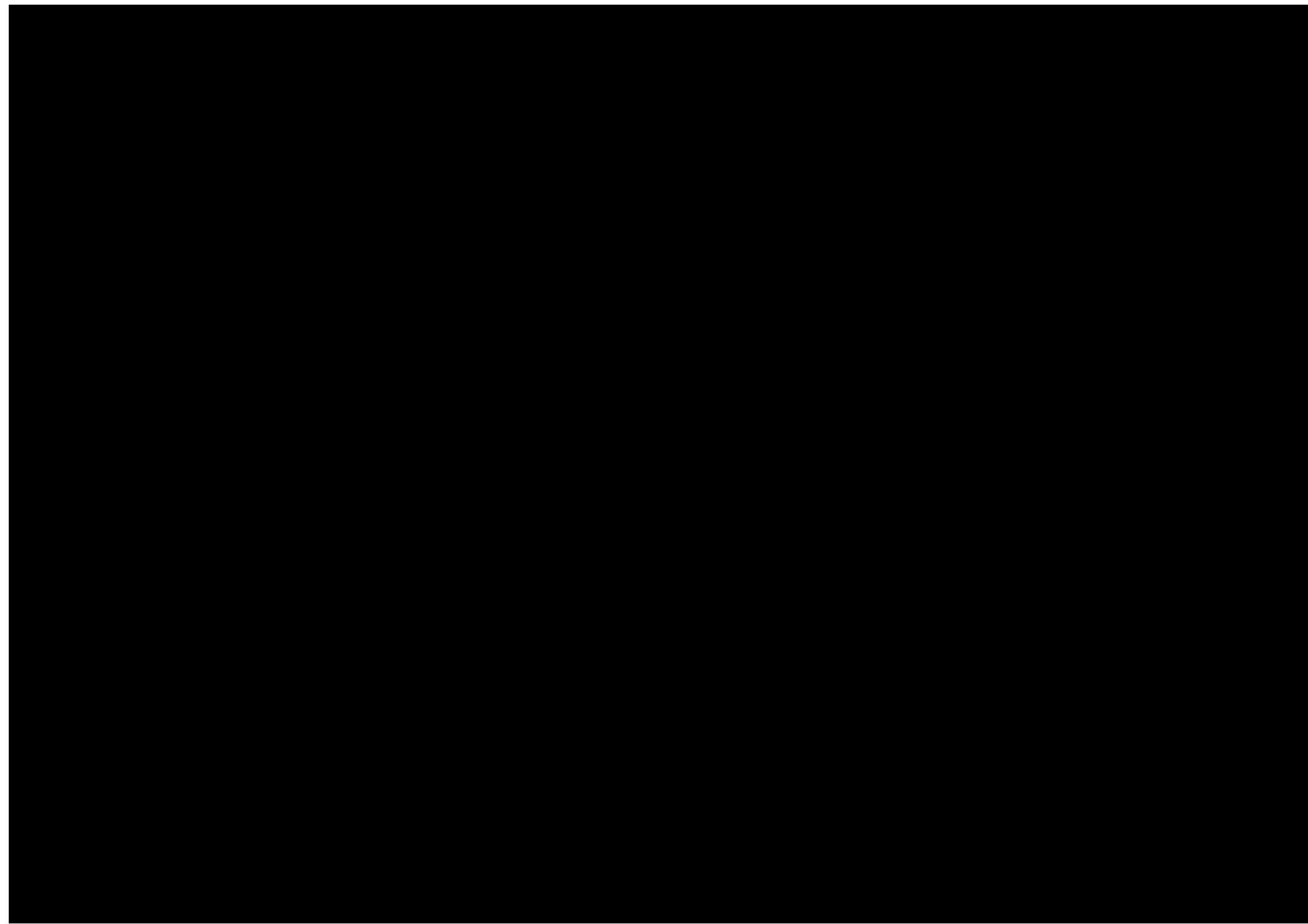
- The Infrastructure Charge is based on the cost of any reinforcement and upgrades to our existing network ("Network Reinforcements"), whether designed to address strategic or local capacity issues. For more information our Infrastructure Charge, please see the 'Useful Information' section of this report.

Infrastructure charges are raised on a standard basis of one charge per new connection (one for water and one for sewerage).

The Water Recycling Infrastructure charge for your dwellings is:

Infrastructure charge	Number of units	Total
£ TBC	20	£TBC

Please note that you should also budget for infrastructure charges on non-household premises where applicable and these will be calculated according to the number and type of water fittings in the premises. This is called the "relevant multiplier" method of calculating the charge and the relevant multiplier will be applied to the figures set out in our 2024-25 Developer Charging Arrangements to arrive at the amount payable. Details of the relevant multiplier for each fitting can be found on our [website](#).



Section 6 - Useful information

Water Industry Act – Key water sections

Section 41:

This provides you with the right to requisition a new water main for domestic purposes to connect your site to the public water network.

Section 45:

This provides you with the right to have a connection for domestic purposes from a building or part of a building to the public water main.

Section 51A - E:

This provides you with the right to provide the water main or service connection yourself and for us to vest them into our company.

Section 55:

This applies where you request a supply of water for non-domestic purposes.

Section 185:

This provides you with the right to make a reasonable request to have a public water main, sewer or public lateral drain removed or altered, at your expense.

Details on how you can make a formal application for a new water main, new connection or diversion are available on from our Development Services team on [REDACTED] or via our [website](#)

If you have any other queries on the rights to requisition or connect your housing to the public water and sewerage infrastructure then please contact our Development Services team at:

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

Telephone:

Email:

Water pressure and flow rate

The water pressure and consistency that we must meet for your site is laid out in the Water Industry Act (1991). This states that we must supply a flow rate of 9 litres per minute at a pressure of 10 metres of head to the external stop tap. If your water pressure requirements exceed this then you will need to provide and maintain any booster requirements to the development site.

Self-lay of water mains

A list of accredited self-lay provider organisations can be found on the Lloyds Registrar [website](#)

Water Industry Act – Key used water sections

Section 98:

This provides you with the right to requisition a new public sewer. The new public sewer can be constructed by Anglian Water on your behalf. Alternatively, you can construct the sewer yourself under section 30 of the Anglian Water Authority Act 1977.

Section 102:

This provides you with the right to have an existing sewerage asset vested by us. It is your responsibility to bring the infrastructure to an adoptable condition ahead of the asset being vested.

Section 104:

This provides you with the right to have a design technically vetted and an agreement reached that will see us adopt your assets following their satisfactory construction and connection to the public sewer.

Section 106:

This provides you with the right to have your constructed sewer connected to the public sewer.

Section 185

This provides you with the right to have a public sewerage asset diverted.

Details on how to make a formal application for a new sewer, new connection or diversion are available on our [website](#) or via our Development Services team on [REDACTED]

Sustainable drainage systems

Many existing urban drainage systems can cause problems of flooding, pollution or damage to the environment and are not resilient to climate change in the long term. .

Our preferred method of surface water disposal is through the use of Sustainable Drainage Systems or SuDS.

SuDS are a range of techniques that aim to mimic the way surface water drains in natural systems within urban areas. For more information on SuDS, please visit our [website](#)

We recommend that you contact the Local Authority and Lead Local Flood Authority (LLFA) for your site to discuss your application.

Private sewer transfers

Sewers and lateral drains connected to the public sewer on the 1 July 2011 transferred into Water Company ownership on the 1 October 2011. This follows the implementation of the Floods and Water Management Act (FWMA). This included sewers and lateral drains that were subject to an existing Section 104 Adoption Agreement and those that were not. There were exemptions and the main non-transferable assets were as follows:

Surface water sewers and lateral drains that do not discharge to the public sewer, e.g. those that discharged to a watercourse.

Foul sewers and lateral drains that discharged to a privately owned sewage treatment/collection facility.

Pumping stations and rising mains will transfer between 1 October 2011 and 1 October 2016.

The implementation of Section 42 of the FWMA will ensure that future private sewers will not be created. It is anticipated that all new sewer applications will need to have an approved section 104 application ahead of a section 106 connection.

It is anticipated that all new sewer applications will need to have an approved Section 104 application ahead of a Section 106 connection

Encroachment

Anglian Water operates a risk based approach to development encroaching close to our used water infrastructure. We assess the issue of encroachment if you are planning to build within 400 metres of a water recycling centre or, within 15 metres to 100 metres of a pumping station. We have more information available on our [website](#)

Locating our assets

Maps detailing the location of our water and used water infrastructure including both underground assets and above ground assets such as pumping stations and recycling centres are available from [REDACTED]

All requests from members of the public or non-statutory bodies for maps showing the location of our assets will be subject to an appropriate administrative charge.

We have more information on our [website](#)

Charging arrangements

Our charging arrangements and summary for this year's water and used water connection and infrastructure charges can be found on our [website](#)

Section 7 - Disclaimer

The information provided in this report is based on data currently held by Anglian Water Services Limited ('Anglian Water') or provided by a third party. Accordingly, the information in this report is provided with no guarantee of accuracy, timeliness, completeness and is without indemnity or warranty of any kind (express or implied).

This report should not be considered in isolation and does not nullify the need for the enquirer to make additional appropriate searches, inspections and enquiries. Anglian Water supports the plan led approach to sustainable development that is set out in the National Planning Policy Framework ('NPPF') and any infrastructure needs identified in this report must be considered in the context of current, adopted and/or emerging local plans. Where local plans are absent, silent or have expired these needs should be considered against the definition of sustainability holistically as set out in the NPPF.

Whilst the information in this report is based on the presumption that proposed development obtains planning permission, nothing in this report confirms that planning permission will be granted or that Anglian Water will be bound to carry out the works/proposals contained within this report.

No liability whatsoever, including liability for negligence is accepted by Anglian Water or its partners, employees or agents, for any error or omission, or for the results obtained from the use of this report and/or its content.

Furthermore, in no event will any of those parties be liable to the applicant or any third party for any decision made or action taken as a result of reliance on this report.

This report is valid from the date issued and the enquirer is advised to resubmit their request for an up to date report should there be a delay in submitting any subsequent application for water supply/sewer connection(s). Our pre-planning reports are valid for 12 months, however please note Anglian Water cannot reserve capacity and available capacity in our network can be reduced at any time due to increased requirements from existing businesses and houses as well as from new housing and new commercial developments.

[REDACTED]

From: [REDACTED]
Sent: 28 August 2024 10:13
To: [REDACTED]
Cc: [REDACTED]
Subject: RE: PPE-0207397 & PPE-0207182

This Message Is From an External Sender

This message came from outside your organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Report Suspicious

Hi [REDACTED]

No problem, I can clarify this for you in [REDACTED] absence.

The model suggests we can supply additional demand from the local network for another 200 people (which is broadly equivalent to an additional 85 residential homes). Anything above and beyond this would require the water mains extension and pump upgrade in our wider network.

I can clarify any of the above further next week too and on the phone if you need to discuss anything further prior too 😊

Thanks,
[REDACTED]



[REDACTED]
Growth Liaison Manager
Development Services
Mobile: [REDACTED]

Anglian Water Services Limited
www.anglianwater.co.uk



For further information please email us at [REDACTED] visit our website at:
<https://www.anglianwater.co.uk/developing/planning--capacity/planning-and-capacity/>

From: [REDACTED]
Sent: Wednesday, August 28, 2024 9:55 AM

To: [REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

Cc: [REDACTED]
[REDACTED]
[REDACTED]

Subject: RE: PPE-0207397 & PPE-0207182

EXTERNAL MAIL - Please be aware this mail is from an external sender - THINK BEFORE YOU CLICK

Hi [REDACTED]

Thank you for getting on this, could I get confirmation regarding the last paragraph of [REDACTED] mail below it states "**The 200 quoted in the response is an additional 200 properties on top of the 580 quoted as existing on the site**"

Was it intended to say "an additional 200 people" we are referring to service user numbers not property numbers and we just wanted to double check this was a typo.

Kind Regards

[REDACTED]
Pipeline Estates, Property Legal Advisor, Barrister (unregistered)
Accommodation Programme (Non-Detained)
Asylum Support, Resettlement and Accommodation (ASRA)

Home Office
2 Marsham Street, London, SW1P 4DF

[REDACTED]
[@ukhomeoffice](https://www.gov.uk/home-office)

From: [REDACTED]
Sent: Wednesday, August 28, 2024 9:36 AM

To: [REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

Cc: F [REDACTED]
[REDACTED]

[REDACTED]
Subject: RE: PPE-0207397 & PPE-0207182

You don't often get email from [REDACTED] [Learn why this is important](#)

Do you trust this email? This email originated from outside the Home Office, or came from a Home Office system that has not been certified. Please exercise caution before opening attachments or clicking on links within this email or any suspicious email, particularly from unknown senders.

Hi [REDACTED]

Hope you're well.

Thanks for the update.

I'll pop out a placeholder for 3:30pm 4th September for us to review.

Look forward to speaking soon.

Thanks,
[REDACTED]



[REDACTED]
Growth Liaison Manager
Development Services
Mobile: [REDACTED]

Anglian Water Services Limited
www.anglianwater.co.uk



For further information please email us at [REDACTED] or visit our website at:
<https://www.anglianwater.co.uk/developing/planning--capacity/planning-and-capacity/>

From: [REDACTED]

Sent: Tuesday, August 27, 2024 1:57 PM

To: B [REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

Cc: [REDACTED]
[REDACTED]

[REDACTED]
Subject: RE: PPE-0207397 & PPE-0207182

EXTERNAL MAIL - Please be aware this mail is from an external sender - THINK BEFORE YOU CLICK

Hi all,

Thank you very much for getting this to us, taking into account that quite a few people are on annual leave I believe the best date for us would be the 4th of September after 15:00h, would that work for you? Otherwise, the 5th between 11:30 and 13:30.

From our side could you please include [REDACTED] (AAP ND) and [REDACTED]
[REDACTED] and yes [REDACTED]

Thank you for your assistance.

Kind Regards

[REDACTED]

From: [REDACTED]
Sent: Tuesday, August 27, 2024 1:40 PM

To: [REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

Subject: RE: PPE-0207397 & PPE-0207182

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Thankyou [REDACTED] for your responses.

My colleague [REDACTED] will be attending the call so will be able to schedule the meeting.

Furthermore, I am informed that [REDACTED] (cc'd) will also be keen to be invited to the meeting.

Kind Regards

[REDACTED]
Civil Engineer, Buildings and Places
[REDACTED]

From: [REDACTED]
Sent: Tuesday, August 27, 2024 1:17 PM

To: [REDACTED]
[REDACTED]
Cc: [REDACTED]
[REDACTED]

Subject: RE: PPE-0207397 & PPE-0207182

Hope you're well.

Following on from [REDACTED] update email, I thought it would be beneficial to add a placeholder for us to review the water solution in more detail for you. My colleague ([REDACTED]) and I will support with this.

If you want to share best dates/times over the coming weeks for a meeting and I can then get a meeting added for us.

Let us know what works best and speak soon.

Thanks,

[REDACTED]



[REDACTED]
Growth Liaison Manager
Development Services
Mobile: [REDACTED]

Anglian Water Services Limited
www.anglianwater.co.uk



For further information please email us at planningliaison@anglianwater.co.uk or visit our website at: <https://www.anglianwater.co.uk/developing/planning--capacity/planning-and-capacity/>

From: [REDACTED]

Sent: Tuesday, August 27, 2024 1:07 PM

To: [REDACTED]

Cc: [REDACTED]

[REDACTED]

[REDACTED]

Subject: Re: PPE-0207397 & PPE-0207182

Hi [REDACTED]

We have reached out to the water modellers to answer the water related questions and I have added their answers below in red along with drainage input from my side.

The water costs for both sites are complex due to the nature of the site. To enable you to have all of the information required for the site I have passed this to our Growth Liaison Managers [REDACTED] [REDACTED] who will be in touch to arrange a meeting.

[REDACTED]

[REDACTED]

[REDACTED]

Wethersfield

We understand from our client that the maximum potential number of service users to be accommodated on the Wethersfield site is now up to 1,250, rather than 1,700. With this revised number in mind:

3. Your communication on Aug 05 2024 stated *“the existing 4 inch main can supply 200 customers before the main needs to be upsized”* for potable water.
 1. Is this a maximum population of 200 service users on the site? (We are unsure whether this 200 refers to the maximum number for the site, or a maximum in addition to the 580 service users who are already on site i.e. 780 service users)
 2. If the answer to part 3a is no, what would be the maximum number of service users that can be accommodated on the site before network reinforcement is required? Could 1,250 service users be accommodated before reinforcement is needed?
 3. When the site was operated by the USAF, there were in excess of 800 people on site situated in the Service Family Accommodation and in the accommodation blocks. Can you advise if there have been any amendments to the water mains which would have reduced this capacity to the site?
4. In light of the above, if appropriate please provide a budget estimate and duration of works for reinforcement for 1,250 service users, stating the key assumptions and the works this would cover.
5. Your sum of £242,245.02 provided for reinforcement associated with 1,700 service users; does this include VAT?

The 200 quoted in the response is an additional 200 properties on top of the 580 quoted as existing on the site. This demand exceeds the recommended headloss/km for the existing 4 inch main, however the replacement main would not be considered until onsite pressures are impacted by this headloss. The required supply pipe size for 1250 is the same as 1700 connections, therefore the quoted cost will not change.

The cost outlined within the pre planning report do include VAT.

Kind Regards,

 Pre Development Senior Engineer

Growth, Planning & Capacity Team

e 

Working Days - Monday, Tuesday, Wednesday and Thursdays

Between 19th July - 3rd September I will be working on the following days; 30th July, 5th, 13th, 14th, 21st and 27th August

Anglian Water Services Limited

Thorpe Wood House, Thorpe Wood, Peterborough, Cambridgeshire, PE3 6WT



From: [REDACTED]

Sent: 08 August 2024 16:28

To: [REDACTED]

^

Subject: RE: PPE-0207397 & PPE-0207182

Some people who received this message don't often get email from [REDACTED] [Learn why this is important](#)

EXTERNAL MAIL - Please be aware this mail is from an external sender - THINK BEFORE YOU CLICK

Dear [REDACTED]

Thank you for your email earlier this week. We would be grateful for clarification on the following points as soon as possible next week.

Our preference would be to discuss the below in a meeting at the earliest opportunity so that we can talk through the information all parties are working to and understand the final position from yourselves.

[illegible]

Wethersfield

We understand from our client that the maximum potential number of service users to be accommodated on the Wethersfield site is now up to 1,250, rather than 1,700. With this revised number in mind:

8. Your communication on Aug 05 2024 stated “*the existing 4 inch main can supply 200 customers before the main needs to be upsized*” for potable water.
 1. Is this a maximum population of 200 service users on the site? (We are unsure whether this 200 refers to the maximum number for the site, or a maximum in addition to the 580 service users who are already on site i.e. 780 service users)
 2. If the answer to part 3a is no, what would be the maximum number of service users that can be accommodated on the site before network reinforcement is required? Could 1,250 service users be accommodated before reinforcement is needed?
 3. When the site was operated by the USAF, there were in excess of 800 people on site situated in the Service Family Accommodation and in the accommodation blocks. Can you advise if there have been any amendments to the water mains which would have reduced this capacity to the site?
9. In light of the above, if appropriate please provide a budget estimate and duration of works for reinforcement for 1,250 service users, stating the key assumptions and the works this would cover.
10. Your sum of £242,245.02 provided for reinforcement associated with 1,700 service users; does this include VAT?

Kind regards

[REDACTED]

From: [REDACTED]

Sent: Monday, August 5, 2024 11:32 AM

To: [REDACTED]

Cc: [REDACTED] >

Subject: Re: PPE-0207397 & PPE-0207182

Good Morning [REDACTED]

Thank you for your email and apologies for the delay in responding.

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

• Are the population figures you've used (1,700) inclusive of the approx. 580 people who are on site already? • Estimated flow rate of 21.8l/s – is this a peak flow rate? • Estimated storage on-site to even out peaks and troughs in demand. • Has the existing capacity of the refurbished facility been assessed? • Could you clarify the threshold population figures for when the reinforcement would be required? e.g. has V1000 been assessed?

The proposed booster upgrade is not required for the site, it is a zonal scheme that the developer will be no be charged any extra for. It is not needed before the site can go ahead.

The 711m of 225mm main is required to replace the existing 4inch main that currently feeds the site. The 4 inch main cannot supply the full site. According to the modelling results, the 4 inch main can supply 200 customers before the main needs to be upsized.

Kind Regards

Pre Development Senior Engineer

Growth, Planning & Capacity Team

e:

Working Days - Monday, Tuesday, Wednesday and Thursdays

Between 19th July - 3rd September I will be working on the following days; 30th July, 5th, 13th, 14th, 21st and 27th August

Anglian Water Services Limited

Thorpe Wood House, Thorpe Wood, Peterborough, Cambridgeshire, PE3 6WT



From:

Sent: 25 July 2024 12:25

To: [REDACTED]
Cc: [REDACTED]
Subject: RE: PPE-0207397 & PPE-0207182

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Hi [REDACTED]

I've also noted that the original capacity enquiry I raised via InFlow was for 2,000 residents, and there seems to have been some confusion with 1,700 residents analysed in the report you issued. I've raised a further query in InFlow, but wanted to include on this email trail – would the proposed reinforcement (new rising main) have capacity for 2,000 residents? As I mentioned before, it is not clear in the report what the threshold is for the reinforcement to be triggered.

We would appreciate a prompt response (by the end of this week)

Regards

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

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From: [REDACTED]
Sent: Tuesday, July 23, 2024 12:06 PM
To: [REDACTED]
Cc: [REDACTED]
Subject: RE: PPE-0207397 & PPE-0207182

Hi [REDACTED]

Thanks for this – have you had any response from your modelling team?

Thanks and regards

[REDACTED]

From: [REDACTED]

Sent: Thursday, July 11, 2024 12:48 PM

To: [REDACTED]

Cc: [REDACTED]

Subject: RE: PPE-0207397 & PPE-0207182

Hi [REDACTED]

Our assessments are for the proposed additional loading on each site.

The foul water assessments are based on an additional occupancy of [REDACTED] and 1120 at Wethersfield. However, the figure of 600 was mistakenly included in the Wethersfield report, so I've corrected that in the attached amended report.

In the attached amended report I've also clarified that our records indicate the private drainage serving Wethersfield discharges directly to the WRC inlet, by-passing the public sewer network and therefore, has no impact on our network capacity.

With regard to your water supply queries for both sites, we've raised further questions with our water modelling team and will confirm or update the report conclusions as necessary. I expect to have a response from modelling team within seven days.

Regards

[REDACTED]

Pre-development Senior Engineer

Development Services

Anglian Water Services Limited

Thorpe Wood House, Thorpe Wood,

Peterborough, Cambridgeshire, PE3 6WT

Tel. [REDACTED] *then select Option 1*

www.anglianwater.co.uk



From: [REDACTED]

Sent: Wednesday, July 10, 2024 3:50 PM

To: [REDACTED]

Cc: [REDACTED]

Subject: RE: PPE-0207397 & PPE-0207182

Importance: High

EXTERNAL MAIL - Please be aware this mail is from an external sender - THINK BEFORE YOU CLICK

Hi [REDACTED]

Thanks for sending through. Some queries regarding potable water supply, as I don't believe the reports answer the initial information requests:

Wethersfield:

- Are the population figures you've used (1,700) inclusive of the approx. 580 people who are on site already? Site report that no issues with current water supply. i.e. is the reinforcement for the additional circa 1,120 residents?
- Estimated flow rate of 21.8l/s – is this a peak flow assumed at peak demand times? It could be possible to provide storage on-site to even out peaks and troughs in demand.
- Has the existing capacity of the refurbished former MoD accommodation been taken into account?

[REDACTED]

[REDACTED]

General:

For each site could you clarify the threshold population figures for when the reinforcement would be required? e.g. has Wethersfield got capacity for say 1,000 people before reinforcement is required?

Please could you respond urgently, and please let me know if you would require a further call/meeting to discuss.

Thanks and regards

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

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From: [REDACTED]

Sent: Monday, July 8, 2024 1:56 PM

To: [REDACTED]

Subject: PPE-0207397 & PPE-0207182

Good Afternoon [REDACTED]

I apologise for the delay in getting these to you.

Please find attached updated pre-planning reports for [REDACTED] and RAF Weathersfield.

I trust this concludes the assessment. If you require anything further please let me know.

Kind Regards,

[REDACTED] Pre Development Senior Engineer

Growth, Planning & Capacity Team

e: [REDACTED]

Working Days - Monday, Tuesday, Wednesday and Thursdays

Between 19th July - 3rd September I will be working on the following days; 30th July, 5th, 13th, 14th, 21st and 27th August

Anglian Water Services Limited

Thorpe Wood House, Thorpe Wood, Peterborough, Cambridgeshire, PE3 6WT



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Minutes

Meeting name Meeting with Anglian Water Services (AWS)	Meeting date 6 th June 2024	Attendees [REDACTED]	AWS AWS AWS AWS AECOM
Time 11:00	Location Teams	[REDACTED]	
Project name Scampton and Wethersfield	AECOM project number 60682234		
Prepared by [REDACTED]			

Ref	Item	Action
01	Wethersfield	
	<ul style="list-style-type: none"> Discussed the type of development (accommodation with canteen and toilet blocks). [REDACTED] to confirm what facilities are provided on site. [REDACTED] [REDACTED] suggested an estimated daily foul demand of circa 100l/head/day based on Flows & Loads. Site usage is non-standard, e.g. cannot be directly compared to residential or prison-type use, likely to be more similar to university accommodation. [REDACTED] to forward derivation of suggested 100l/head/day foul demand. [REDACTED] Suggested that foul demand could be estimated using known water usage figures for circa 600 people. Discussed that the water/foul demand of site staff is likely to be negligible compared to that of the residents. [REDACTED] [REDACTED] stated that the receiving sewer in Hudson's Hill/High Street appears to be 150mm diameter. [REDACTED] to confirm diameter and route of offsite private foul connection. AWS do not have mapping/records of the existing connection point to their network. [REDACTED] [REDACTED] stated that a private foul pump station has been installed on site which includes emergency storage. [REDACTED] to confirm pass forward flow rate of pump (i.e. the flow discharged from the pump to the receiving sewer) to compare with capacity of AWS sewer. [REDACTED] 	
02	Scampton	

Ref	Item	Action
	<ul style="list-style-type: none"> Discussed that it may be that the existing Treatment Works does not have capacity for the full site occupancy of up to 1,700 service users. A solution to pump foul to another catchment may be required. ██████ to confirm diameter and route of offsite private foul connection. AWS do not have mapping/records of the existing connection point to their network. The number of service users is to be confirmed as AWS are aware that a reduced occupancy of circa 800 has been reported in the media. 	<div>██████</div> <div>██████</div> <div>██████</div>
03	General	
	<ul style="list-style-type: none"> Surface water was not discussed as not applicable to AWS. The Wethersfield site drains to a watercourse. ██████████ ██████████ Regardless, the impermeable area is not being increased on either site as a result of the proposed developments and site uses. SDO conditions were tabled/referenced by AWS and it was asked how the maximum number of residents before conditions discharged (e.g. 580) was arrived at and had this been derived through analysis of the capacity of the network. ██████ stated that this had been derived separately and was not based on water / drainage studies. AWS requested copies of any drainage/water demand documents that had been produced. ██████ to investigate what is available to be shared, e.g. FRA reports submitted in support of the SDOs for each site. AWS stated that their initial reports stating the current knowns/unknowns are due to be released <i>[post meeting note: these were received on 7th June]</i>. Once additional information is received by AWS as per the above, a further review will be undertaken, which will take circa 2 weeks. If insufficient information is available regarding existing assets, additional surveys/modelling by AWS may be required. 	<div>██████</div> <div>AWS</div>

Appendix C – Water Wholesomeness Laboratory Results

E-Mail: [REDACTED]
Website: [REDACTED]

ANALYTICAL REPORT

Page 1 of 3



Date Received: 30/10/2023

Certificate Number: 1168330-2 Final
Supersedes report 1168330-1

Order Number:

Date Reported: 27/11/2023

Lab Ref.	Sample Details	Method	Test	Result	Units	Limit	Flag
4630615	Desc: B66	255	Ammonium (Ammonia and Ammonium Ions)	<0.020	mg/l	<0.500	
	Received Date: 30/10/2023						
	Tested Date: 30/10/2023	245	Nitrate	1.0	mg/l	<50.0	
	Sampling Date: 30/10/2023 07:35	225	Nitrite	<0.004	mg/l	<0.500	
	Sample Type: DW : Drinking Water	calc	Nitrite/Nitrate	0.020	mg/l	<1.000	*
	Product: SS-PWS						
		230	Odour - Quantitative	0			
		230	Taste - Quantitative	0			
		430	Colony Count 3 Days at 22°C	0	cfu/ml		
		400	E coli	0	mpn/100ml	0	
		400	Total Coliforms	0	mpn/100ml	0	
		660	Colour	<2	mg/l Pt/Co	<20	
		660	Conductivity	844	uS/cm		
		660	Hydrogen Ion (pH)	7.2	pH_unit	6.5 to 9.5	
		660	Turbidity	<0.120	NTU	<4.000	
		ext	Acrylamide	<0.008	µg / l	<0.100	
		ext	Epichloroydrin	<0.1	µg / l	<0.10	*
		ext	Vinyl Chloride	<0.130	µg / l	<0.500	
		3401	Bromate	<0.8	µg / l	<10.0	
		390	Enterococci	0	cfu/100ml	0	
		765	Mercury	<0.04	µg / l	<1.00	
		745	Antimony	0.3	µg / l	<5.0	
		745	Arsenic	1.9	µg / l	<10.0	
		745	Selenium	<0.8	µg / l	<10.0	
		740	Boron	0.112	mg/l	<1.000	
		740	Sodium	39.2	mg/l	<200.0	
		3371	Fluoride	0.811	mg/l	<1.500	
		3545	2,4,5-T	<0.007	µg / l	<0.100	
		3545	2,4-D	<0.007	µg / l	<0.100	
		3545	Bentazone	<0.007	µg / l	<0.100	
		3545	Bromoxynil	<0.007	µg / l	<0.100	
		3545	Dicamba	<0.020	µg / l	<0.100	
		3545	Dichlorprop	<0.003	µg / l	<0.100	
		3545	Fluroxypyr	<0.008	µg / l	<0.100	

Disclaimers:

Unless otherwise stated, all results apply to the sample as received. Information provided by the customer (includes Date, Time, Sample Matrix & Sample Description) can affect the validity of the result.

Opinions and interpretations expressed in this report are outside the scope of UKAS accreditation.

Details of Uncertainty of Measurement and Analytical Quality Control are available on request.

Where a statement of conformity to a Regulatory Standard or customer limit is provided, the uncertainty of measurement is not taken into account unless shown on the certificate.

* - denotes non UKAS accredited test

A result of 0 cfu denotes none found in volume analysed

ext - Analysis subcontracted to an external laboratory



1579

Certificate Number: 1168330-2 Final
Supercedes report 1168330-1

Order Number:

Lab Ref.	Sample Details	Method	Test	Result	Units	Limit	Flag
4630615	Continued from Page 1	3545	MCPA	<0.008	µg / l	<0.100	
		3545	MCPB	<0.008	µg / l	<0.100	
		3545	Mecoprop (MCP)	<0.005	µg / l	<0.100	
		3545	Triclopyr	<0.015	µg / l	<0.100	
		2587	Atrazine	<0.002	µg / l	<0.100	
		2587	Carbendazim	<0.001	µg / l	<0.100	
		2587	Carbetamide	<0.002	µg / l	<0.100	
		2587	Chlortoluron	<0.003	µg / l	<0.100	
		2587	Diuron	<0.004	µg / l	<0.100	
		2587	Epoxiconazole	<0.003	µg / l	<0.100	
		2587	Flutriafol	<0.003	µg / l	<0.100	
		2587	Isoproturon	<0.003	µg / l	<0.100	
		2587	Linuron	<0.003	µg / l	<0.100	
		2587	Oxadixyl	<0.003	µg / l	<0.100	
		2587	Pendimethalin	<0.007	µg / l	<0.100	
		2587	Prometryn	<0.002	µg / l	<0.100	
		2587	Propazine	<0.002	µg / l	<0.100	
		2587	Simazine	<0.003	µg / l	<0.100	
		2587	Terbutryn	<0.002	µg / l	<0.100	
		2587	Trietazine	<0.004	µg / l	<0.100	
		480	Benzo (a) pyrene	<0.003	µg / l	<0.010	
		480	Benzo(1,12)perylene	<0.003	µg / l		
		480	Benzo(11,12)fluoranthene	<0.003	µg / l		
		480	Benzo(3,4)fluoranthene	<0.003	µg / l		
		480	Indeno(1,2,3-cd)pyrene	<0.003	µg / l		
		calc	PAH Total	0.000	ug/l	<0.100	*
		775	1,1,1 Trichloroethane	<0.60	µg / l		
		775	1,2-Dichloroethane	<0.12	µg / l	<3.00	
		775	Benzene	<0.02	µg / l	<1.00	
		775	Dibromochloromethane	5.72	µg / l		
		775	Dichlorobromomethane	1.20	µg / l		
		775	Tetrachloroethene	<0.15	µg / l	<10.00	
		calc	Tetrachloroethene/Trichloroethene- Sum	0.00	µg / l		*
		775	Tetrachloromethane	<0.11	µg / l	<3.00	
		calc	Total Trihalomethanes	18.00	µg / l	<100.00	*
		775	Tribromomethane	11.08	µg / l		
		775	Trichloroethene	<0.10	µg / l	<10.00	
		775	Trichloromethane	<0.50	µg / l		
		730	Aluminium	<6.1	µg / l	<200.0	
		730	Iron	<7.3	µg / l	<200.0	
		730	Manganese	<1.7	µg / l	<50.0	
		735	Cadmium	<0.12	µg / l	<5.00	
		735	Chromium	<0.5	µg / l	<50.0	
		730	First Draw Copper	0.015	mg/l	<2.000	
		730	First Draw Lead	<0.9	µg / l	<10.0	

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A result of 0 cfu denotes none found in volume analysed

ext - Analysis subcontracted to an external laboratory

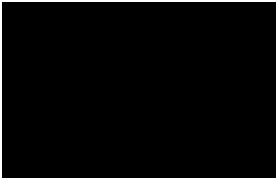


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Certificate Number: 1168330-2 Final
Supercedes report 1168330-1

Order Number:

Lab Ref.	Sample Details	Method	Test	Result	Units	Limit	Flag
4630615	Continued from Page 2	730	First Draw Nickel	9.0	µg / l	<20.0	
		360	Clostridium perfringens (including spore	0	cfu/100ml	0	
		calc	Pesticides - Total Substances	0.000	ug/l		*
		4170	Aldrin	<0.007	µg / l	<0.030	
		4170	Dichlobenil	<0.006	µg / l	<0.100	
		4170	Dieldrin	<0.007	µg / l	<0.030	
		4170	Gamma-HCH (Lindane)	<0.005	µg / l	<0.100	
		4170	Heptachlor	<0.008	µg / l	<0.030	
		4170	Heptachlor Epoxide	<0.005	µg / l	<0.030	
		4170	Propyzamide	<0.005	µg / l	<0.100	
		4170	Tri-allate	<0.005	µg / l	<0.100	
		295	Gross Alpha	<0.02	Bq/l	<0.10	
		295	Gross Beta	<0.28	Bq/l	<1.00	
		5374	Tritium	<8.5	Bq/l	<100.0	
		250	Total Organic Carbon	0.8	mg/l		



Laboratory Manager

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ext - Analysis subcontracted to an external laboratory



1579

E-Mail: [REDACTED]
Website: [REDACTED]

ANALYTICAL REPORT

Page 1 of 3



Date Received: 30/10/2023

Certificate Number: 1168332-2 Final
Supersedes report 1168332-1

Order Number:

Date Reported: 27/11/2023

Lab Ref.	Sample Details	Method	Test	Result	Units	Limit	Flag
4630617	Desc: B42	255	Ammonium (Ammonia and Ammonium Ions)	<0.020	mg/l	<0.500	
	Received Date: 30/10/2023						
	Tested Date: 30/10/2023	245	Nitrate	1.0	mg/l	<50.0	
	Sampling Date: 30/10/2023 07:50	225	Nitrite	<0.004	mg/l	<0.500	
	Sample Type: DW : Drinking Water	calc	Nitrite/Nitrate	0.020	mg/l	<1.000	*
	Product: SS-PWS						
		230	Odour - Quantitative	0			
		230	Taste - Quantitative	0			
		430	Colony Count 3 Days at 22°C	4	cfu/ml		
		400	E coli	0	mpn/100ml	0	
		400	Total Coliforms	0	mpn/100ml	0	
		660	Colour	<2	mg/l Pt/Co	<20	
		660	Conductivity	836	uS/cm		
		660	Hydrogen Ion (pH)	7.2	pH_unit	6.5 to 9.5	
		660	Turbidity	<0.120	NTU	<4.000	
		ext	Acrylamide	<0.008	µg / l	<0.100	
		ext	Epichloroydrin	<0.1	µg / l	<0.10	*
		ext	Vinyl Chloride	<0.130	µg / l	<0.500	
		3401	Bromate	<0.8	µg / l	<10.0	
		390	Enterococci	0	cfu/100ml	0	
		765	Mercury	<0.04	µg / l	<1.00	
		745	Antimony	0.3	µg / l	<5.0	
		745	Arsenic	1.8	µg / l	<10.0	
		745	Selenium	<0.8	µg / l	<10.0	
		740	Boron	0.116	mg/l	<1.000	
		740	Sodium	42.5	mg/l	<200.0	
		3371	Fluoride	0.817	mg/l	<1.500	
		3545	2,4,5-T	<0.007	µg / l	<0.100	
		3545	2,4-D	<0.007	µg / l	<0.100	
		3545	Bentazone	<0.007	µg / l	<0.100	
		3545	Bromoxynil	<0.007	µg / l	<0.100	
		3545	Dicamba	<0.020	µg / l	<0.100	
		3545	Dichlorprop	<0.003	µg / l	<0.100	
		3545	Fluroxypyr	<0.008	µg / l	<0.100	

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Certificate Number: 1168332-2 Final
Supercedes report 1168332-1

Order Number:

Lab Ref.	Sample Details	Method	Test	Result	Units	Limit	Flag
4630617	Continued from Page 1	3545	MCPA	<0.008	µg / l	<0.100	
		3545	MCPB	<0.008	µg / l	<0.100	
		3545	Mecoprop (MCP)	<0.005	µg / l	<0.100	
		3545	Triclopyr	<0.015	µg / l	<0.100	
		2587	Atrazine	<0.002	µg / l	<0.100	
		2587	Carbendazim	<0.001	µg / l	<0.100	
		2587	Carbetamide	<0.002	µg / l	<0.100	
		2587	Chlortoluron	<0.003	µg / l	<0.100	
		2587	Diuron	<0.004	µg / l	<0.100	
		2587	Epoxiconazole	<0.003	µg / l	<0.100	
		2587	Flutriafol	<0.003	µg / l	<0.100	
		2587	Isoproturon	<0.003	µg / l	<0.100	
		2587	Linuron	<0.003	µg / l	<0.100	
		2587	Oxadixyl	<0.003	µg / l	<0.100	
		2587	Pendimethalin	<0.007	µg / l	<0.100	
		2587	Prometryn	<0.002	µg / l	<0.100	
		2587	Propazine	<0.002	µg / l	<0.100	
		2587	Simazine	<0.003	µg / l	<0.100	
		2587	Terbutryn	<0.002	µg / l	<0.100	
		2587	Trietazine	<0.004	µg / l	<0.100	
		480	Benzo (a) pyrene	<0.003	µg / l	<0.010	
		480	Benzo(1,12)perylene	<0.003	µg / l		
		480	Benzo(11,12)fluoranthene	<0.003	µg / l		
		480	Benzo(3,4)fluoranthene	<0.003	µg / l		
		480	Indeno(1,2,3-cd)pyrene	<0.003	µg / l		
		calc	PAH Total	0.000	ug/l	<0.100	*
		775	1,1,1 Trichloroethane	<0.60	µg / l		
		775	1,2-Dichloroethane	<0.12	µg / l	<3.00	
		775	Benzene	<0.02	µg / l	<1.00	
		775	Dibromochloromethane	5.73	µg / l		
		775	Dichlorobromomethane	1.22	µg / l		
		775	Tetrachloroethene	<0.15	µg / l	<10.00	
		calc	Tetrachloroethene/Trichloroethene- Sum	0.00	µg / l		*
		775	Tetrachloromethane	<0.11	µg / l	<3.00	
		calc	Total Trihalomethanes	17.93	µg / l	<100.00	*
		775	Tribromomethane	10.98	µg / l		
		775	Trichloroethene	<0.10	µg / l	<10.00	
		775	Trichloromethane	<0.50	µg / l		
		730	Aluminium	<6.1	µg / l	<200.0	
		730	Iron	<7.3	µg / l	<200.0	
		730	Manganese	<1.7	µg / l	<50.0	
		735	Cadmium	<0.12	µg / l	<5.00	
		735	Chromium	<0.5	µg / l	<50.0	
		730	First Draw Copper	0.012	mg/l	<2.000	
		730	First Draw Lead	<0.9	µg / l	<10.0	

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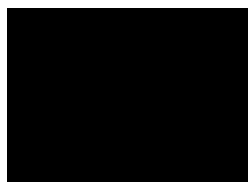


1579

Certificate Number: 1168332-2 Final
Supercedes report 1168332-1

Order Number:

Lab Ref.	Sample Details	Method	Test	Result	Units	Limit	Flag
4630617	Continued from Page 2	730	First Draw Nickel	8.9	µg / l	<20.0	
		360	Clostridium perfringens (including spore	0	cfu/100ml	0	
		calc	Pesticides - Total Substances	0.000	ug/l		*
		4170	Aldrin	<0.007	µg / l	<0.030	
		4170	Dichlobenil	<0.006	µg / l	<0.100	
		4170	Dieldrin	<0.007	µg / l	<0.030	
		4170	Gamma-HCH (Lindane)	<0.005	µg / l	<0.100	
		4170	Heptachlor	<0.008	µg / l	<0.030	
		4170	Heptachlor Epoxide	<0.005	µg / l	<0.030	
		4170	Propyzamide	<0.005	µg / l	<0.100	
		4170	Tri-allate	<0.005	µg / l	<0.100	
		5374	Tritium	<8.5	Bq/l	<100.0	
		295	Gross Alpha	<0.02	Bq/l	<0.10	
		295	Gross Beta	<0.28	Bq/l	<1.00	
		250	Total Organic Carbon	0.9	mg/l		



Laboratory Manager

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ext - Analysis subcontracted to an external laboratory



1579

E-Mail: [REDACTED]
Website: [REDACTED]

ANALYTICAL REPORT

Page 1 of 3



Date Received: 30/10/2023

Certificate Number: 1168333-2 Final
Supersedes report 1168333-1

Order Number:

Date Reported: 27/11/2023

Lab Ref.	Sample Details	Method	Test	Result	Units	Limit	Flag
4630618	Desc: B1072	255	Ammonium (Ammonia and Ammonium Ions)	<0.020	mg/l	<0.500	
	Received Date: 30/10/2023	245	Nitrate	1.0	mg/l	<50.0	
	Tested Date: 30/10/2023	225	Nitrite	<0.004	mg/l	<0.500	
	Sampling Date: 30/10/2023 10:30	calc	Nitrite/Nitrate	0.020	mg/l	<1.000	*
	Sample Type: DW : Drinking Water	230	Odour - Quantitative	0			
	Product: SS-PWS	230	Taste - Quantitative	0			
		430	Colony Count 3 Days at 22°C	2	cfu/ml		
		400	E coli	0	mpn/100ml	0	
		400	Total Coliforms	0	mpn/100ml	0	
		660	Colour	<2	mg/l Pt/Co	<20	
		660	Conductivity	835	uS/cm		
		660	Hydrogen Ion (pH)	7.3	pH_unit	6.5 to 9.5	
		660	Turbidity	<0.120	NTU	<4.000	
		ext	Acrylamide	<0.008	µg / l	<0.100	
		ext	Epichloroydrin	<0.1	µg / l	<0.10	*
		ext	Vinyl Chloride	<0.130	µg / l	<0.500	
		3401	Bromate	<0.8	µg / l	<10.0	
		390	Enterococci	0	cfu/100ml	0	
		765	Mercury	<0.04	µg / l	<1.00	
		745	Antimony	0.3	µg / l	<5.0	
		745	Arsenic	1.8	µg / l	<10.0	
		745	Selenium	<0.8	µg / l	<10.0	
		740	Boron	0.114	mg/l	<1.000	
		740	Sodium	37.8	mg/l	<200.0	
		3371	Fluoride	0.808	mg/l	<1.500	
		3545	2,4,5-T	<0.007	µg / l	<0.100	
		3545	2,4-D	<0.007	µg / l	<0.100	
		3545	Bentazone	<0.007	µg / l	<0.100	
		3545	Bromoxynil	<0.007	µg / l	<0.100	
		3545	Dicamba	<0.020	µg / l	<0.100	
		3545	Dichlorprop	<0.003	µg / l	<0.100	
		3545	Fluroxypyr	<0.008	µg / l	<0.100	

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1579

Certificate Number: 1168333-2 Final
Supercedes report 1168333-1

Order Number:

Lab Ref.	Sample Details	Method	Test	Result	Units	Limit	Flag
4630618	Continued from Page 1	3545	MCPA	<0.008	µg / l	<0.100	
		3545	MCPB	<0.008	µg / l	<0.100	
		3545	Mecoprop (MCP)	<0.005	µg / l	<0.100	
		3545	Triclopyr	<0.015	µg / l	<0.100	
		2587	Atrazine	<0.002	µg / l	<0.100	
		2587	Carbendazim	<0.001	µg / l	<0.100	
		2587	Carbetamide	<0.002	µg / l	<0.100	
		2587	Chlortoluron	<0.003	µg / l	<0.100	
		2587	Diuron	<0.004	µg / l	<0.100	
		2587	Epoxiconazole	<0.003	µg / l	<0.100	
		2587	Flutriafol	<0.003	µg / l	<0.100	
		2587	Isoproturon	<0.003	µg / l	<0.100	
		2587	Linuron	<0.003	µg / l	<0.100	
		2587	Oxadixyl	<0.003	µg / l	<0.100	
		2587	Pendimethalin	<0.007	µg / l	<0.100	
		2587	Prometryn	<0.002	µg / l	<0.100	
		2587	Propazine	<0.002	µg / l	<0.100	
		2587	Simazine	<0.003	µg / l	<0.100	
		2587	Terbutryn	<0.002	µg / l	<0.100	
		2587	Trietazine	<0.004	µg / l	<0.100	
		480	Benzo (a) pyrene	<0.003	µg / l	<0.010	
		480	Benzo(1,12)perylene	<0.003	µg / l		
		480	Benzo(11,12)fluoranthene	<0.003	µg / l		
		480	Benzo(3,4)fluoranthene	<0.003	µg / l		
		480	Indeno(1,2,3-cd)pyrene	<0.003	µg / l		
		calc	PAH Total	0.000	ug/l	<0.100	*
		775	1,1,1 Trichloroethane	<0.60	µg / l		
		775	1,2-Dichloroethane	<0.12	µg / l	<3.00	
		775	Benzene	<0.02	µg / l	<1.00	
		775	Dibromochloromethane	6.94	µg / l		
		775	Dichlorobromomethane	1.39	µg / l		
		775	Tetrachloroethene	<0.15	µg / l	<10.00	
		calc	Tetrachloroethene/Trichloroethene- Sum	0.00	µg / l		*
		775	Tetrachloromethane	<0.11	µg / l	<3.00	
		calc	Total Trihalomethanes	23.26	µg / l	<100.00	*
		775	Tribromomethane	14.93	µg / l		
		775	Trichloroethene	<0.10	µg / l	<10.00	
		775	Trichloromethane	<0.50	µg / l		
		730	Aluminium	<6.1	µg / l	<200.0	
		730	Iron	13.5	µg / l	<200.0	
		730	Manganese	<1.7	µg / l	<50.0	
		735	Cadmium	<0.12	µg / l	<5.00	
		735	Chromium	<0.5	µg / l	<50.0	
		730	First Draw Copper	0.038	mg/l	<2.000	
		730	First Draw Lead	<0.9	µg / l	<10.0	

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1579

Certificate Number: 1168333-2 Final
Supercedes report 1168333-1

Order Number:

Lab Ref.	Sample Details	Method	Test	Result	Units	Limit	Flag
4630618	Continued from Page 2	730	First Draw Nickel	8.7	µg / l	<20.0	
		360	Clostridium perfringens (including spore	0	cfu/100ml	0	
		calc	Pesticides - Total Substances	0.000	ug/l		*
		4170	Aldrin	<0.007	µg / l	<0.030	
		4170	Dichlobenil	<0.006	µg / l	<0.100	
		4170	Dieldrin	<0.007	µg / l	<0.030	
		4170	Gamma-HCH (Lindane)	<0.005	µg / l	<0.100	
		4170	Heptachlor	<0.008	µg / l	<0.030	
		4170	Heptachlor Epoxide	<0.005	µg / l	<0.030	
		4170	Propyzamide	<0.005	µg / l	<0.100	
		4170	Tri-allate	<0.005	µg / l	<0.100	
		295	Gross Alpha	<0.02	Bq/l	<0.10	
		295	Gross Beta	<0.28	Bq/l	<1.00	
		5374	Tritium	<8.5	Bq/l	<100.0	
		250	Total Organic Carbon	0.8	mg/l		



Laboratory Manager

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ANALYTICAL REPORT

Page 1 of 3



Date Received: 30/10/2023

Certificate Number: 1168359-2 Final
Supersedes report 1168359-1

Order Number:

Date Reported: 27/11/2023

Lab Ref.	Sample Details	Method	Test	Result	Units	Limit	Flag
4630620	Desc: B1073	255	Ammonium (Ammonia and Ammonium Ions)	<0.020	mg/l	<0.500	
	Received Date: 30/10/2023						
	Tested Date: 30/10/2023	245	Nitrate	1.0	mg/l	<50.0	
	Sampling Date: 30/10/2023 10:10	225	Nitrite	<0.004	mg/l	<0.500	
	Sample Type: DW : Drinking Water	calc	Nitrite/Nitrate	0.020	mg/l	<1.000	*
	Product: SS-PWS	230	Odour - Quantitative	0			
		230	Taste - Quantitative	0			
		430	Colony Count 3 Days at 22°C	0	cfu/ml		
		400	E coli	0	mpn/100ml	0	
		400	Total Coliforms	0	mpn/100ml	0	
		660	Colour	<2	mg/l Pt/Co	<20	
		660	Conductivity	842	uS/cm		
		660	Hydrogen Ion (pH)	7.2	pH_unit	6.5 to 9.5	
		660	Turbidity	<0.120	NTU	<4.000	
		ext	Acrylamide	<0.008	µg / l	<0.100	
		ext	Epichloroydrin	<0.1	µg / l	<0.10	*
		ext	Vinyl Chloride	<0.130	µg / l	<0.500	
		3401	Bromate	<0.8	µg / l	<10.0	
		390	Enterococci	0	cfu/100ml	0	
		765	Mercury	<0.04	µg / l	<1.00	
		745	Antimony	0.3	µg / l	<5.0	
		745	Arsenic	1.9	µg / l	<10.0	
		745	Selenium	<0.8	µg / l	<10.0	
		740	Boron	0.116	mg/l	<1.000	
		740	Sodium	38.0	mg/l	<200.0	
		3371	Fluoride	0.795	mg/l	<1.500	
		3545	2,4,5-T	<0.007	µg / l	<0.100	
		3545	2,4-D	<0.007	µg / l	<0.100	
		3545	Bentazone	<0.007	µg / l	<0.100	
		3545	Bromoxynil	<0.007	µg / l	<0.100	
		3545	Dicamba	<0.020	µg / l	<0.100	
		3545	Dichlorprop	<0.003	µg / l	<0.100	
		3545	Fluroxypyr	<0.008	µg / l	<0.100	

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Certificate Number: 1168359-2 Final
Supercedes report 1168359-1

Order Number:

Lab Ref.	Sample Details	Method	Test	Result	Units	Limit	Flag
4630620	Continued from Page 1	3545	MCPA	<0.008	µg / l	<0.100	
		3545	MCPB	<0.008	µg / l	<0.100	
		3545	Mecoprop (MCP)	<0.005	µg / l	<0.100	
		3545	Triclopyr	<0.015	µg / l	<0.100	
		2587	Atrazine	<0.002	µg / l	<0.100	
		2587	Carbendazim	<0.001	µg / l	<0.100	
		2587	Carbetamide	<0.002	µg / l	<0.100	
		2587	Chlortoluron	<0.003	µg / l	<0.100	
		2587	Diuron	<0.004	µg / l	<0.100	
		2587	Epoxiconazole	<0.003	µg / l	<0.100	
		2587	Flutriafol	<0.003	µg / l	<0.100	
		2587	Isoproturon	<0.003	µg / l	<0.100	
		2587	Linuron	<0.003	µg / l	<0.100	
		2587	Oxadixyl	<0.003	µg / l	<0.100	
		2587	Pendimethalin	<0.007	µg / l	<0.100	
		2587	Prometryn	<0.002	µg / l	<0.100	
		2587	Propazine	<0.002	µg / l	<0.100	
		2587	Simazine	<0.003	µg / l	<0.100	
		2587	Terbutryn	<0.002	µg / l	<0.100	
		2587	Trietazine	<0.004	µg / l	<0.100	
		480	Benzo (a) pyrene	<0.003	µg / l	<0.010	
		480	Benzo(1,12)perylene	<0.003	µg / l		
		480	Benzo(11,12)fluoranthene	<0.003	µg / l		
		480	Benzo(3,4)fluoranthene	<0.003	µg / l		
		480	Indeno(1,2,3-cd)pyrene	<0.003	µg / l		
		calc	PAH Total	0.000	ug/l	<0.100	*
		775	1,1,1 Trichloroethane	<0.60	µg / l		
		775	1,2-Dichloroethane	<0.12	µg / l	<3.00	
		775	Benzene	<0.02	µg / l	<1.00	
		775	Dibromochloromethane	4.76	µg / l		
		775	Dichlorobromomethane	1.01	µg / l		
		775	Tetrachloroethene	<0.15	µg / l	<10.00	
		calc	Tetrachloroethene/Trichloroethene- Sum	0.00	µg / l		*
		775	Tetrachloromethane	<0.11	µg / l	<3.00	
		calc	Total Trihalomethanes	14.94	µg / l	<100.00	*
		775	Tribromomethane	9.17	µg / l		
		775	Trichloroethene	<0.10	µg / l	<10.00	
		775	Trichloromethane	<0.50	µg / l		
		730	Aluminium	<6.1	µg / l	<200.0	
		730	Iron	<7.3	µg / l	<200.0	
		730	Manganese	<1.7	µg / l	<50.0	
		735	Cadmium	<0.12	µg / l	<5.00	
		735	Chromium	<0.5	µg / l	<50.0	
		730	First Draw Copper	0.021	mg/l	<2.000	
		730	First Draw Lead	<0.9	µg / l	<10.0	

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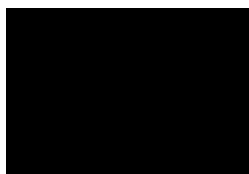


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Certificate Number: 1168359-2 Final
Supercedes report 1168359-1

Order Number:

Lab Ref.	Sample Details	Method	Test	Result	Units	Limit	Flag
4630620	Continued from Page 2	730	First Draw Nickel	9.3	µg / l	<20.0	
		360	Clostridium perfringens (including spore	0	cfu/100ml	0	
		calc	Pesticides - Total Substances	0.000	ug/l		*
		4170	Aldrin	<0.007	µg / l	<0.030	
		4170	Dichlobenil	<0.006	µg / l	<0.100	
		4170	Dieldrin	<0.007	µg / l	<0.030	
		4170	Gamma-HCH (Lindane)	<0.005	µg / l	<0.100	
		4170	Heptachlor	<0.008	µg / l	<0.030	
		4170	Heptachlor Epoxide	<0.005	µg / l	<0.030	
		4170	Propyzamide	<0.005	µg / l	<0.100	
		4170	Tri-allate	<0.005	µg / l	<0.100	
		5374	Tritium	<8.5	Bq/l	<100.0	
		295	Gross Alpha	<0.02	Bq/l	<0.10	
		295	Gross Beta	<0.28	Bq/l	<1.00	
		250	Total Organic Carbon	0.8	mg/l		



Laboratory Manager

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E-Mail:
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ANALYTICAL REPORT

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Date Received: 30/10/2023

Certificate Number: 1168360-2 Final
Supersedes report 1168360-1

Order Number:

Date Reported: 27/11/2023

Lab Ref.	Sample Details	Method	Test	Result	Units	Limit	Flag
4630621	Desc: B5	255	Ammonium (Ammonia and Ammonium Ions)	<0.020	mg/l	<0.500	
	Received Date: 30/10/2023						
	Tested Date: 30/10/2023	245	Nitrate	1.0	mg/l	<50.0	
	Sampling Date: 30/10/2023 09:50	225	Nitrite	<0.004	mg/l	<0.500	
	Sample Type: DW : Drinking Water	calc	Nitrite/Nitrate	0.020	mg/l	<1.000	*
	Product: SS-PWS	230	Odour - Quantitative	0			
		230	Taste - Quantitative	0			
		430	Colony Count 3 Days at 22°C	0	cfu/ml		
		400	E coli	0	mpn/100ml	0	
		400	Total Coliforms	0	mpn/100ml	0	
		660	Colour	<2	mg/l Pt/Co	<20	
		660	Conductivity	842	uS/cm		
		660	Hydrogen Ion (pH)	7.2	pH_unit	6.5 to 9.5	
		660	Turbidity	<0.120	NTU	<4.000	
		ext	Acrylamide	<0.008	µg / l	<0.100	
		ext	Epichloroydrin	<0.1	µg / l	<0.10	*
		ext	Vinyl Chloride	<0.130	µg / l	<0.500	
		3401	Bromate	<0.8	µg / l	<10.0	
		390	Enterococci	0	cfu/100ml	0	
		765	Mercury	<0.04	µg / l	<1.00	
		745	Antimony	0.3	µg / l	<5.0	
		745	Arsenic	1.9	µg / l	<10.0	
		745	Selenium	<0.8	µg / l	<10.0	
		740	Boron	0.112	mg/l	<1.000	
		740	Sodium	37.6	mg/l	<200.0	
		3371	Fluoride	0.806	mg/l	<1.500	
		3545	2,4,5-T	<0.007	µg / l	<0.100	
		3545	2,4-D	<0.007	µg / l	<0.100	
		3545	Bentazone	<0.007	µg / l	<0.100	
		3545	Bromoxynil	<0.007	µg / l	<0.100	
		3545	Dicamba	<0.020	µg / l	<0.100	
		3545	Dichlorprop	<0.003	µg / l	<0.100	
		3545	Fluroxypyr	<0.008	µg / l	<0.100	

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Certificate Number: 1168360-2 Final
Supercedes report 1168360-1

Order Number:

Lab Ref.	Sample Details	Method	Test	Result	Units	Limit	Flag
4630621	Continued from Page 1	3545	MCPA	<0.008	µg / l	<0.100	
		3545	MCPB	<0.008	µg / l	<0.100	
		3545	Mecoprop (MCP)	<0.005	µg / l	<0.100	
		3545	Triclopyr	<0.015	µg / l	<0.100	
		2587	Atrazine	<0.002	µg / l	<0.100	
		2587	Carbendazim	<0.001	µg / l	<0.100	
		2587	Carbetamide	<0.002	µg / l	<0.100	
		2587	Chlortoluron	<0.003	µg / l	<0.100	
		2587	Diuron	<0.004	µg / l	<0.100	
		2587	Epoxiconazole	<0.003	µg / l	<0.100	
		2587	Flutriafol	<0.003	µg / l	<0.100	
		2587	Isoproturon	<0.003	µg / l	<0.100	
		2587	Linuron	<0.003	µg / l	<0.100	
		2587	Oxadixyl	<0.003	µg / l	<0.100	
		2587	Pendimethalin	<0.007	µg / l	<0.100	
		2587	Prometryn	<0.002	µg / l	<0.100	
		2587	Propazine	<0.002	µg / l	<0.100	
		2587	Simazine	<0.003	µg / l	<0.100	
		2587	Terbutryn	<0.002	µg / l	<0.100	
		2587	Trietazine	<0.004	µg / l	<0.100	
		480	Benzo (a) pyrene	<0.003	µg / l	<0.010	
		480	Benzo(1,12)perylene	<0.003	µg / l		
		480	Benzo(11,12)fluoranthene	<0.003	µg / l		
		480	Benzo(3,4)fluoranthene	<0.003	µg / l		
		480	Indeno(1,2,3-cd)pyrene	<0.003	µg / l		
		calc	PAH Total	0.000	ug/l	<0.100	*
		775	1,1,1 Trichloroethane	<0.60	µg / l		
		775	1,2-Dichloroethane	<0.12	µg / l	<3.00	
		775	Benzene	<0.02	µg / l	<1.00	
		775	Dibromochloromethane	5.74	µg / l		
		775	Dichlorobromomethane	1.19	µg / l		
		775	Tetrachloroethene	<0.15	µg / l	<10.00	
		calc	Tetrachloroethene/Trichloroethene- Sum	0.00	µg / l		*
		775	Tetrachloromethane	<0.11	µg / l	<3.00	
		calc	Total Trihalomethanes	18.04	µg / l	<100.00	*
		775	Tribromomethane	11.11	µg / l		
		775	Trichloroethene	<0.10	µg / l	<10.00	
		775	Trichloromethane	<0.50	µg / l		
		730	Aluminium	<6.1	µg / l	<200.0	
		730	Iron	7.7	µg / l	<200.0	
		730	Manganese	<1.7	µg / l	<50.0	
		735	Cadmium	<0.12	µg / l	<5.00	
		735	Chromium	<0.5	µg / l	<50.0	
		730	First Draw Copper	0.011	mg/l	<2.000	
		730	First Draw Lead	<0.9	µg / l	<10.0	

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Certificate Number: 1168360-2 Final
Supercedes report 1168360-1

Order Number:

Lab Ref.	Sample Details	Method	Test	Result	Units	Limit	Flag
4630621	Continued from Page 2	730	First Draw Nickel	8.5	µg / l	<20.0	
		360	Clostridium perfringens (including spore	0	cfu/100ml	0	
		calc	Pesticides - Total Substances	0.000	ug/l		*
		4170	Aldrin	<0.007	µg / l	<0.030	
		4170	Dichlobenil	<0.006	µg / l	<0.100	
		4170	Dieldrin	<0.007	µg / l	<0.030	
		4170	Gamma-HCH (Lindane)	<0.005	µg / l	<0.100	
		4170	Heptachlor	<0.008	µg / l	<0.030	
		4170	Heptachlor Epoxide	<0.005	µg / l	<0.030	
		4170	Propyzamide	<0.005	µg / l	<0.100	
		4170	Tri-allate	<0.005	µg / l	<0.100	
		295	Gross Alpha	<0.02	Bq/l	<0.10	
		295	Gross Beta	<0.28	Bq/l	<1.00	
		5374	Tritium	<8.5	Bq/l	<100.0	
		250	Total Organic Carbon	0.9	mg/l		



Laboratory Manager

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E-Mail: [REDACTED]
Website: [REDACTED]

ANALYTICAL REPORT

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Date Received: 30/10/2023

Certificate Number: 1168362-2 Final
Supersedes report 1168362-1

Order Number:

Date Reported: 27/11/2023

Lab Ref.	Sample Details	Method	Test	Result	Units	Limit	Flag
4630623	Desc: B8	255	Ammonium (Ammonia and Ammonium Ions)	<0.020	mg/l	<0.500	
	Received Date: 30/10/2023						
	Tested Date: 30/10/2023	245	Nitrate	1.0	mg/l	<50.0	
	Sampling Date: 30/10/2023 08:15	225	Nitrite	<0.004	mg/l	<0.500	
	Sample Type: DW : Drinking Water	calc	Nitrite/Nitrate	0.020	mg/l	<1.000	*
	Product: SS-PWS	230	Odour - Quantitative	0			
		230	Taste - Quantitative	0			
		430	Colony Count 3 Days at 22°C	0	cfu/ml		
		400	E coli	0	mpn/100ml	0	
		400	Total Coliforms	0	mpn/100ml	0	
		660	Colour	<2	mg/l Pt/Co	<20	
		660	Conductivity	845	uS/cm		
		660	Hydrogen Ion (pH)	7.3	pH_unit	6.5 to 9.5	
		660	Turbidity	<0.120	NTU	<4.000	
		ext	Acrylamide	<0.008	µg / l	<0.100	
		ext	Epichloroydrin	<0.1	µg / l	<0.10	*
		ext	Vinyl Chloride	<0.130	µg / l	<0.500	
		3401	Bromate	<0.8	µg / l	<10.0	
		390	Enterococci	0	cfu/100ml	0	
		5413	Total Cyanide	<4.1	µg / l	<50.0	
		765	Mercury	<0.04	µg / l	<1.00	
		745	Antimony	0.3	µg / l	<5.0	
		745	Arsenic	1.9	µg / l	<10.0	
		745	Selenium	<0.8	µg / l	<10.0	
		740	Boron	0.113	mg/l	<1.000	
		740	Sodium	38.7	mg/l	<200.0	
		3371	Fluoride	0.803	mg/l	<1.500	
		3545	2,4,5-T	<0.007	µg / l	<0.100	
		3545	2,4-D	<0.007	µg / l	<0.100	
		3545	Bentazone	<0.007	µg / l	<0.100	
		3545	Bromoxynil	<0.007	µg / l	<0.100	
		3545	Dicamba	<0.020	µg / l	<0.100	
		3545	Dichlorprop	<0.003	µg / l	<0.100	

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Certificate Number: 1168362-2 Final
Supercedes report 1168362-1

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Lab Ref.	Sample Details	Method	Test	Result	Units	Limit	Flag
4630623	Continued from Page 1	3545	Fluroxypyr	<0.008	µg / l	<0.100	
		3545	MCPA	<0.008	µg / l	<0.100	
		3545	MCPB	<0.008	µg / l	<0.100	
		3545	Mecoprop (MCP)	<0.005	µg / l	<0.100	
		3545	Triclopyr	<0.015	µg / l	<0.100	
		2587	Atrazine	<0.002	µg / l	<0.100	
		2587	Carbendazim	<0.001	µg / l	<0.100	
		2587	Carbetamide	<0.002	µg / l	<0.100	
		2587	Chlortoluron	<0.003	µg / l	<0.100	
		2587	Diuron	<0.004	µg / l	<0.100	
		2587	Epoxiconazole	<0.003	µg / l	<0.100	
		2587	Flutriafol	<0.003	µg / l	<0.100	
		2587	Isoproturon	<0.003	µg / l	<0.100	
		2587	Linuron	<0.003	µg / l	<0.100	
		2587	Oxadixyl	<0.003	µg / l	<0.100	
		2587	Pendimethalin	<0.007	µg / l	<0.100	
		2587	Prometryn	<0.002	µg / l	<0.100	
		2587	Propazine	<0.002	µg / l	<0.100	
		2587	Simazine	<0.003	µg / l	<0.100	
		2587	Terbutryn	<0.002	µg / l	<0.100	
		2587	Trietazine	<0.004	µg / l	<0.100	
		480	Benzo (a) pyrene	<0.003	µg / l	<0.010	
		480	Benzo(1,12)perylene	<0.003	µg / l		
		480	Benzo(11,12)fluoranthene	<0.003	µg / l		
		480	Benzo(3,4)fluoranthene	<0.003	µg / l		
		480	Indeno(1,2,3-cd)pyrene	<0.003	µg / l		
		calc	PAH Total	0.000	ug/l	<0.100	*
		775	1,1,1 Trichloroethane	<0.60	µg / l		
		775	1,2-Dichloroethane	<0.12	µg / l	<3.00	
		775	Benzene	<0.02	µg / l	<1.00	
		775	Dibromochloromethane	5.90	µg / l		
		775	Dichlorobromomethane	1.22	µg / l		
		775	Tetrachloroethene	<0.15	µg / l	<10.00	
		calc	Tetrachloroethene/Trichloroethene- Sum	0.00	µg / l		*
		775	Tetrachloromethane	<0.11	µg / l	<3.00	
		calc	Total Trihalomethanes	18.58	µg / l	<100.00	*
		775	Tribromomethane	11.46	µg / l		
		775	Trichloroethene	<0.10	µg / l	<10.00	
		775	Trichloromethane	<0.50	µg / l		
		730	Aluminium	<6.1	µg / l	<200.0	
		730	Iron	8.1	µg / l	<200.0	
		730	Manganese	<1.7	µg / l	<50.0	
		735	Cadmium	<0.12	µg / l	<5.00	
		735	Chromium	<0.5	µg / l	<50.0	
		730	First Draw Copper	<0.009	mg/l	<2.000	

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ext - Analysis subcontracted to an external laboratory

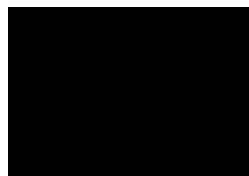


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Certificate Number: 1168362-2 Final
Supercedes report 1168362-1

Order Number:

Lab Ref.	Sample Details	Method	Test	Result	Units	Limit	Flag
4630623	Continued from Page 2	730	First Draw Lead	<0.9	µg / l	<10.0	
		730	First Draw Nickel	9.0	µg / l	<20.0	
		360	Clostridium perfringens (including spore	0	cfu/100ml	0	
		calc	Pesticides - Total Substances	0.000	ug/l		*
		4170	Aldrin	<0.007	µg / l	<0.030	
		4170	Dichlobenil	<0.006	µg / l	<0.100	
		4170	Dieldrin	<0.007	µg / l	<0.030	
		4170	Gamma-HCH (Lindane)	<0.005	µg / l	<0.100	
		4170	Heptachlor	<0.008	µg / l	<0.030	
		4170	Heptachlor Epoxide	<0.005	µg / l	<0.030	
		4170	Propyzamide	<0.005	µg / l	<0.100	
		4170	Tri-allate	<0.005	µg / l	<0.100	
		5374	Tritium	<8.5	Bq/l	<100.0	
		295	Gross Alpha	0.02	Bq/l	<0.10	
		295	Gross Beta	<0.28	Bq/l	<1.00	
		250	Total Organic Carbon	0.9	mg/l		



Laboratory Manager

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ANALYTICAL REPORT

Page 1 of 3



Date Received: 30/10/2023

Certificate Number: 1168388-2 Final
Supersedes report 1168388-1

Order Number:

Date Reported: 27/11/2023

Lab Ref.	Sample Details	Method	Test	Result	Units	Limit	Flag
4630625	Desc: B9	255	Ammonium (Ammonia and Ammonium Ions)	<0.020	mg/l	<0.500	
	Received Date: 30/10/2023						
	Tested Date: 30/10/2023	245	Nitrate	1.3	mg/l	<50.0	
	Sampling Date: 30/10/2023 09:30	225	Nitrite	<0.004	mg/l	<0.500	
	Sample Type: DW : Drinking Water	calc	Nitrite/Nitrate	0.026	mg/l	<1.000	*
	Product: SS-PWS	230	Odour - Quantitative	0			
		230	Taste - Quantitative	0			
		430	Colony Count 3 Days at 22°C	0	cfu/ml		
		400	E coli	0	mpn/100ml	0	
		400	Total Coliforms	0	mpn/100ml	0	
		660	Colour	<2	mg/l Pt/Co	<20	
		660	Conductivity	841	uS/cm		
		660	Hydrogen Ion (pH)	7.3	pH_unit	6.5 to 9.5	
		660	Turbidity	3.490	NTU	<4.000	
		ext	Acrylamide	<0.008	µg / l	<0.100	
		ext	Epichloroydrin	<0.1	µg / l	<0.10	*
		ext	Vinyl Chloride	<0.130	µg / l	<0.500	
		3401	Bromate	<0.8	µg / l	<10.0	
		390	Enterococci	0	cfu/100ml	0	
		5413	Total Cyanide	<4.1	µg / l	<50.0	
		765	Mercury	<0.04	µg / l	<1.00	
		745	Antimony	0.3	µg / l	<5.0	
		745	Arsenic	1.9	µg / l	<10.0	
		745	Selenium	<0.8	µg / l	<10.0	
		740	Boron	0.115	mg/l	<1.000	
		740	Sodium	40.0	mg/l	<200.0	
		3371	Fluoride	0.809	mg/l	<1.500	
		3545	2,4,5-T	<0.007	µg / l	<0.100	
		3545	2,4-D	<0.007	µg / l	<0.100	
		3545	Bentazone	<0.007	µg / l	<0.100	
		3545	Bromoxynil	<0.007	µg / l	<0.100	
		3545	Dicamba	<0.020	µg / l	<0.100	
		3545	Dichlorprop	<0.003	µg / l	<0.100	

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Certificate Number: 1168388-2 Final
Supercedes report 1168388-1

Order Number:

Lab Ref.	Sample Details	Method	Test	Result	Units	Limit	Flag
4630625	Continued from Page 1	3545	Fluroxypyr	<0.008	µg / l	<0.100	
		3545	MCPA	<0.008	µg / l	<0.100	
		3545	MCPB	<0.008	µg / l	<0.100	
		3545	Mecoprop (MCP)	<0.005	µg / l	<0.100	
		3545	Triclopyr	<0.015	µg / l	<0.100	
		2587	Atrazine	<0.002	µg / l	<0.100	
		2587	Carbendazim	<0.001	µg / l	<0.100	
		2587	Carbetamide	<0.002	µg / l	<0.100	
		2587	Chlortoluron	<0.003	µg / l	<0.100	
		2587	Diuron	<0.004	µg / l	<0.100	
		2587	Epoxiconazole	<0.003	µg / l	<0.100	
		2587	Flutriafol	<0.003	µg / l	<0.100	
		2587	Isoproturon	<0.003	µg / l	<0.100	
		2587	Linuron	<0.003	µg / l	<0.100	
		2587	Oxadixyl	<0.003	µg / l	<0.100	
		2587	Pendimethalin	<0.007	µg / l	<0.100	
		2587	Prometryn	<0.002	µg / l	<0.100	
		2587	Propazine	<0.002	µg / l	<0.100	
		2587	Simazine	<0.003	µg / l	<0.100	
		2587	Terbutryn	<0.002	µg / l	<0.100	
		2587	Trietazine	<0.004	µg / l	<0.100	
		480	Benzo (a) pyrene	<0.003	µg / l	<0.010	
		480	Benzo(1,12)perylene	<0.003	µg / l		
		480	Benzo(11,12)fluoranthene	<0.003	µg / l		
		480	Benzo(3,4)fluoranthene	<0.003	µg / l		
		480	Indeno(1,2,3-cd)pyrene	<0.003	µg / l		
		calc	PAH Total	0.000	ug/l	<0.100	*
		775	1,1,1 Trichloroethane	<0.60	µg / l		
		775	1,2-Dichloroethane	<0.12	µg / l	<3.00	
		775	Benzene	<0.02	µg / l	<1.00	
		775	Dibromochloromethane	5.69	µg / l		
		775	Dichlorobromomethane	1.17	µg / l		
		775	Tetrachloroethene	<0.15	µg / l	<10.00	
		calc	Tetrachloroethene/Trichloroethene- Sum	0.00	µg / l		*
		775	Tetrachloromethane	<0.11	µg / l	<3.00	
		calc	Total Trihalomethanes	17.99	µg / l	<100.00	*
		775	Tribromomethane	11.13	µg / l		
		775	Trichloroethene	<0.10	µg / l	<10.00	
		775	Trichloromethane	<0.50	µg / l		
		730	Aluminium	<6.1	µg / l	<200.0	
		730	Iron	<7.3	µg / l	<200.0	
		730	Manganese	<1.7	µg / l	<50.0	
		735	Cadmium	<0.12	µg / l	<5.00	
		735	Chromium	<0.5	µg / l	<50.0	
		730	First Draw Copper	0.011	mg/l	<2.000	

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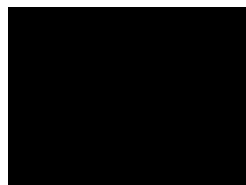


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Certificate Number: 1168388-2 Final
Supercedes report 1168388-1

Order Number:

Lab Ref.	Sample Details	Method	Test	Result	Units	Limit	Flag
4630625	Continued from Page 2	730	First Draw Lead	<0.9	µg / l	<10.0	
		730	First Draw Nickel	8.8	µg / l	<20.0	
		360	Clostridium perfringens (including spore	0	cfu/100ml	0	
		calc	Pesticides - Total Substances	0.000	ug/l		*
		4170	Aldrin	<0.007	µg / l	<0.030	
		4170	Dichlobenil	<0.006	µg / l	<0.100	
		4170	Dieldrin	<0.007	µg / l	<0.030	
		4170	Gamma-HCH (Lindane)	<0.005	µg / l	<0.100	
		4170	Heptachlor	<0.008	µg / l	<0.030	
		4170	Heptachlor Epoxide	<0.005	µg / l	<0.030	
		4170	Propyzamide	<0.005	µg / l	<0.100	
		4170	Tri-allate	<0.005	µg / l	<0.100	
		295	Gross Alpha	<0.02	Bq/l	<0.10	
		295	Gross Beta	<0.28	Bq/l	<1.00	
		5374	Tritium	<8.5	Bq/l	<100.0	
		250	Total Organic Carbon	0.9	mg/l		



Laboratory Manager

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E-Mail:
Website:

ANALYTICAL REPORT

Page 1 of 3



Date Received: 30/10/2023

Certificate Number: 1168389-2 Final
Supersedes report 1168389-1

Order Number:

Date Reported: 27/11/2023

Lab Ref.	Sample Details	Method	Test	Result	Units	Limit	Flag
4630626	Desc: B1027	255	Ammonium (Ammonia and Ammonium Ions)	<0.020	mg/l	<0.500	
	Received Date: 30/10/2023						
	Tested Date: 30/10/2023	245	Nitrate	1.1	mg/l	<50.0	
	Sampling Date: 30/10/2023 08:35	225	Nitrite	<0.004	mg/l	<0.500	
	Sample Type: DW : Drinking Water	calc	Nitrite/Nitrate	0.022	mg/l	<1.000	*
	Product: SS-PWS						
		230	Odour - Quantitative	0			
		230	Taste - Quantitative	0			
		430	Colony Count 3 Days at 22°C	0	cfu/ml		
		400	E coli	0	mpn/100ml	0	
		400	Total Coliforms	0	mpn/100ml	0	
		660	Colour	<2	mg/l Pt/Co	<20	
		660	Conductivity	840	uS/cm		
		660	Hydrogen Ion (pH)	7.3	pH_unit	6.5 to 9.5	
		660	Turbidity	<0.120	NTU	<4.000	
		ext	Acrylamide	<0.008	µg / l	<0.100	
		ext	Epichloroydrin	<0.1	µg / l	<0.10	*
		ext	Vinyl Chloride	<0.130	µg / l	<0.500	
		3401	Bromate	<0.8	µg / l	<10.0	
		390	Enterococci	0	cfu/100ml	0	
		765	Mercury	<0.04	µg / l	<1.00	
		745	Antimony	0.3	µg / l	<5.0	
		745	Arsenic	1.9	µg / l	<10.0	
		745	Selenium	<0.8	µg / l	<10.0	
		740	Boron	0.115	mg/l	<1.000	
		740	Sodium	38.5	mg/l	<200.0	
		3371	Fluoride	0.821	mg/l	<1.500	
		3545	2,4,5-T	<0.007	µg / l	<0.100	
		3545	2,4-D	<0.007	µg / l	<0.100	
		3545	Bentazone	<0.007	µg / l	<0.100	
		3545	Bromoxynil	<0.007	µg / l	<0.100	
		3545	Dicamba	<0.020	µg / l	<0.100	
		3545	Dichlorprop	<0.003	µg / l	<0.100	
		3545	Fluroxypyr	<0.008	µg / l	<0.100	

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Certificate Number: 1168389-2 Final
Supercedes report 1168389-1

Order Number:

Lab Ref.	Sample Details	Method	Test	Result	Units	Limit	Flag
4630626	Continued from Page 1	3545	MCPA	<0.008	µg / l	<0.100	
		3545	MCPB	<0.008	µg / l	<0.100	
		3545	Mecoprop (MCP)	<0.005	µg / l	<0.100	
		3545	Triclopyr	<0.015	µg / l	<0.100	
		2587	Atrazine	<0.002	µg / l	<0.100	
		2587	Carbendazim	<0.001	µg / l	<0.100	
		2587	Carbetamide	<0.002	µg / l	<0.100	
		2587	Chlortoluron	<0.003	µg / l	<0.100	
		2587	Diuron	<0.004	µg / l	<0.100	
		2587	Epoxiconazole	<0.003	µg / l	<0.100	
		2587	Flutriafol	<0.003	µg / l	<0.100	
		2587	Isoproturon	<0.003	µg / l	<0.100	
		2587	Linuron	<0.003	µg / l	<0.100	
		2587	Oxadixyl	<0.003	µg / l	<0.100	
		2587	Pendimethalin	<0.007	µg / l	<0.100	
		2587	Prometryn	<0.002	µg / l	<0.100	
		2587	Propazine	<0.002	µg / l	<0.100	
		2587	Simazine	<0.003	µg / l	<0.100	
		2587	Terbutryn	<0.002	µg / l	<0.100	
		2587	Trietazine	<0.004	µg / l	<0.100	
		480	Benzo (a) pyrene	<0.003	µg / l	<0.010	
		480	Benzo(1,12)perylene	<0.003	µg / l		
		480	Benzo(11,12)fluoranthene	<0.003	µg / l		
		480	Benzo(3,4)fluoranthene	<0.003	µg / l		
		480	Indeno(1,2,3-cd)pyrene	<0.003	µg / l		
		calc	PAH Total	0.000	ug/l	<0.100	*
		775	1,1,1 Trichloroethane	<0.60	µg / l		
		775	1,2-Dichloroethane	<0.12	µg / l	<3.00	
		775	Benzene	<0.02	µg / l	<1.00	
		775	Dibromochloromethane	6.01	µg / l		
		775	Dichlorobromomethane	1.26	µg / l		
		775	Tetrachloroethene	<0.15	µg / l	<10.00	
		calc	Tetrachloroethene/Trichloroethene- Sum	0.00	µg / l		*
		775	Tetrachloromethane	<0.11	µg / l	<3.00	
		calc	Total Trihalomethanes	19.17	µg / l	<100.00	*
		775	Tribromomethane	11.90	µg / l		
		775	Trichloroethene	<0.10	µg / l	<10.00	
		775	Trichloromethane	<0.50	µg / l		
		730	Aluminium	<6.1	µg / l	<200.0	
		730	Iron	9.0	µg / l	<200.0	
		730	Manganese	<1.7	µg / l	<50.0	
		735	Cadmium	<0.12	µg / l	<5.00	
		735	Chromium	<0.5	µg / l	<50.0	
		730	First Draw Copper	0.029	mg/l	<2.000	
		730	First Draw Lead	<0.9	µg / l	<10.0	

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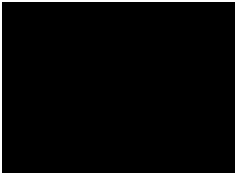


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Certificate Number: 1168389-2 Final
Supercedes report 1168389-1

Order Number:

Lab Ref.	Sample Details	Method	Test	Result	Units	Limit	Flag
4630626	Continued from Page 2	730	First Draw Nickel	9.0	µg / l	<20.0	
		360	Clostridium perfringens (including spore	0	cfu/100ml	0	
		calc	Pesticides - Total Substances	0.000	ug/l		*
		4170	Aldrin	<0.007	µg / l	<0.030	
		4170	Dichlobenil	<0.006	µg / l	<0.100	
		4170	Dieldrin	<0.007	µg / l	<0.030	
		4170	Gamma-HCH (Lindane)	<0.005	µg / l	<0.100	
		4170	Heptachlor	<0.008	µg / l	<0.030	
		4170	Heptachlor Epoxide	<0.005	µg / l	<0.030	
		4170	Propyzamide	<0.005	µg / l	<0.100	
		4170	Tri-allate	<0.005	µg / l	<0.100	
		5374	Tritium	<8.5	Bq/l	<100.0	
		295	Gross Alpha	<0.02	Bq/l	<0.10	
		295	Gross Beta	<0.28	Bq/l	<1.00	
		250	Total Organic Carbon	0.9	mg/l		



Laboratory Manager

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1579

E-Mail: [REDACTED]
Website: [REDACTED]

ANALYTICAL REPORT

Page 1 of 3



Date Received: 30/10/2023

Certificate Number: 1168390-2 Final
Supersedes report 1168390-1

Order Number:

Date Reported: 27/11/2023

Lab Ref.	Sample Details	Method	Test	Result	Units	Limit	Flag
4630627	Desc: B1030	255	Ammonium (Ammonia and Ammonium Ions)	<0.020	mg/l	<0.500	
	Received Date: 30/10/2023						
	Tested Date: 30/10/2023	245	Nitrate	1.0	mg/l	<50.0	
	Sampling Date: 30/10/2023 08:55	225	Nitrite	<0.004	mg/l	<0.500	
	Sample Type: DW : Drinking Water	calc	Nitrite/Nitrate	0.020	mg/l	<1.000	*
	Product: SS-PWS	230	Odour - Quantitative	0			
		230	Taste - Quantitative	0			
		430	Colony Count 3 Days at 22°C	0	cfu/ml		
		400	E coli	0	mpn/100ml	0	
		400	Total Coliforms	0	mpn/100ml	0	
		660	Colour	<2	mg/l Pt/Co	<20	
		660	Conductivity	838	uS/cm		
		660	Hydrogen Ion (pH)	7.3	pH_unit	6.5 to 9.5	
		660	Turbidity	0.190	NTU	<4.000	
		ext	Acrylamide	<0.008	µg / l	<0.100	
		ext	Epichloroydrin	<0.1	µg / l	<0.10	*
		ext	Vinyl Chloride	<0.130	µg / l	<0.500	
		3401	Bromate	<0.8	µg / l	<10.0	
		390	Enterococci	0	cfu/100ml	0	
		5413	Total Cyanide	<4.1	µg / l	<50.0	
		765	Mercury	<0.04	µg / l	<1.00	
		745	Antimony	0.3	µg / l	<5.0	
		745	Arsenic	1.9	µg / l	<10.0	
		745	Selenium	<0.8	µg / l	<10.0	
		740	Boron	0.108	mg/l	<1.000	
		740	Sodium	39.1	mg/l	<200.0	
		3371	Fluoride	0.823	mg/l	<1.500	
		3545	2,4,5-T	<0.007	µg / l	<0.100	
		3545	2,4-D	<0.007	µg / l	<0.100	
		3545	Bentazone	<0.007	µg / l	<0.100	
		3545	Bromoxynil	<0.007	µg / l	<0.100	
		3545	Dicamba	<0.020	µg / l	<0.100	
		3545	Dichlorprop	<0.003	µg / l	<0.100	

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1579

Certificate Number: 1168390-2 Final
Supercedes report 1168390-1

Order Number:

Lab Ref.	Sample Details	Method	Test	Result	Units	Limit	Flag
4630627	Continued from Page 1	3545	Fluroxypyr	<0.008	µg / l	<0.100	
		3545	MCPA	<0.008	µg / l	<0.100	
		3545	MCPB	<0.008	µg / l	<0.100	
		3545	Mecoprop (MCP)	<0.005	µg / l	<0.100	
		3545	Triclopyr	<0.015	µg / l	<0.100	
		2587	Atrazine	<0.002	µg / l	<0.100	
		2587	Carbendazim	<0.001	µg / l	<0.100	
		2587	Carbetamide	<0.002	µg / l	<0.100	
		2587	Chlortoluron	<0.003	µg / l	<0.100	
		2587	Diuron	<0.004	µg / l	<0.100	
		2587	Epoxiconazole	<0.003	µg / l	<0.100	
		2587	Flutriafol	<0.003	µg / l	<0.100	
		2587	Isoproturon	<0.003	µg / l	<0.100	
		2587	Linuron	<0.003	µg / l	<0.100	
		2587	Oxadixyl	<0.003	µg / l	<0.100	
		2587	Pendimethalin	<0.007	µg / l	<0.100	
		2587	Prometryn	<0.002	µg / l	<0.100	
		2587	Propazine	<0.002	µg / l	<0.100	
		2587	Simazine	<0.003	µg / l	<0.100	
		2587	Terbutryn	<0.002	µg / l	<0.100	
		2587	Trietazine	<0.004	µg / l	<0.100	
		480	Benzo (a) pyrene	<0.003	µg / l	<0.010	
		480	Benzo(1,12)perylene	<0.003	µg / l		
		480	Benzo(11,12)fluoranthene	<0.003	µg / l		
		480	Benzo(3,4)fluoranthene	<0.003	µg / l		
		480	Indeno(1,2,3-cd)pyrene	<0.003	µg / l		
		calc	PAH Total	0.000	ug/l	<0.100	*
		775	1,1,1 Trichloroethane	<0.60	µg / l		
		775	1,2-Dichloroethane	<0.12	µg / l	<3.00	
		775	Benzene	<0.02	µg / l	<1.00	
		775	Dibromochloromethane	5.93	µg / l		
		775	Dichlorobromomethane	1.25	µg / l		
		775	Tetrachloroethene	<0.15	µg / l	<10.00	
		calc	Tetrachloroethene/Trichloroethene- Sum	0.00	µg / l		*
		775	Tetrachloromethane	<0.11	µg / l	<3.00	
		calc	Total Trihalomethanes	18.66	µg / l	<100.00	*
		775	Tribromomethane	11.48	µg / l		
		775	Trichloroethene	<0.10	µg / l	<10.00	
		775	Trichloromethane	<0.50	µg / l		
		730	Aluminium	<6.1	µg / l	<200.0	
		730	Iron	7.9	µg / l	<200.0	
		730	Manganese	<1.7	µg / l	<50.0	
		735	Cadmium	<0.12	µg / l	<5.00	
		735	Chromium	<0.5	µg / l	<50.0	
		730	First Draw Copper	0.017	mg/l	<2.000	

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Certificate Number: 1168390-2 Final
Supercedes report 1168390-1

Order Number:

Lab Ref.	Sample Details	Method	Test	Result	Units	Limit	Flag
4630627	Continued from Page 2	730	First Draw Lead	<0.9	µg / l	<10.0	
		730	First Draw Nickel	8.8	µg / l	<20.0	
		360	Clostridium perfringens (including spore	0	cfu/100ml	0	
		calc	Pesticides - Total Substances	0.000	ug/l		*
		4170	Aldrin	<0.007	µg / l	<0.030	
		4170	Dichlobenil	<0.006	µg / l	<0.100	
		4170	Dieldrin	<0.007	µg / l	<0.030	
		4170	Gamma-HCH (Lindane)	<0.005	µg / l	<0.100	
		4170	Heptachlor	<0.008	µg / l	<0.030	
		4170	Heptachlor Epoxide	<0.005	µg / l	<0.030	
		4170	Propyzamide	<0.005	µg / l	<0.100	
		4170	Tri-allate	<0.005	µg / l	<0.100	
		295	Gross Alpha	<0.02	Bq/l	<0.10	
		295	Gross Beta	<0.28	Bq/l	<1.00	
		5374	Tritium	<8.5	Bq/l	<100.0	
		250	Total Organic Carbon	0.9	mg/l		

Laboratory Manager

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E-Mail: [REDACTED]
Website: [REDACTED]

ANALYTICAL REPORT

Page 1 of 3



Date Received: 30/10/2023

Certificate Number: 1168391-2 Final
Supersedes report 1168391-1

Order Number:

Date Reported: 27/11/2023

Lab Ref.	Sample Details	Method	Test	Result	Units	Limit	Flag
4630628	Desc: B1031	255	Ammonium (Ammonia and Ammonium Ions)	<0.020	mg/l	<0.500	
	Received Date: 30/10/2023						
	Tested Date: 30/10/2023	245	Nitrate	0.9	mg/l	<50.0	
	Sampling Date: 30/10/2023 12:00	225	Nitrite	<0.004	mg/l	<0.500	
	Sample Type: DW : Drinking Water	calc	Nitrite/Nitrate	0.018	mg/l	<1.000	*
	Product: SS-PWS	230	Odour - Quantitative	0			
		230	Taste - Quantitative	0			
		430	Colony Count 3 Days at 22°C	0	cfu/ml		
		400	E coli	0	mpn/100ml	0	
		400	Total Coliforms	0	mpn/100ml	0	
		660	Colour	<2	mg/l Pt/Co	<20	
		660	Conductivity	840	uS/cm		
		660	Hydrogen Ion (pH)	7.3	pH_unit	6.5 to 9.5	
		660	Turbidity	0.230	NTU	<4.000	
		ext	Acrylamide	<0.008	µg / l	<0.100	
		ext	Epichloroydrin	<0.1	µg / l	<0.10	*
		ext	Vinyl Chloride	0.130	µg / l	<0.500	
		3401	Bromate	<0.8	µg / l	<10.0	
		390	Enterococci	0	cfu/100ml	0	
		765	Mercury	<0.04	µg / l	<1.00	
		745	Antimony	0.3	µg / l	<5.0	
		745	Arsenic	1.8	µg / l	<10.0	
		745	Selenium	<0.8	µg / l	<10.0	
		740	Boron	0.113	mg/l	<1.000	
		740	Sodium	38.3	mg/l	<200.0	
		3371	Fluoride	0.809	mg/l	<1.500	
		3545	2,4,5-T	<0.007	µg / l	<0.100	
		3545	2,4-D	<0.007	µg / l	<0.100	
		3545	Bentazone	<0.007	µg / l	<0.100	
		3545	Bromoxynil	<0.007	µg / l	<0.100	
		3545	Dicamba	<0.020	µg / l	<0.100	
		3545	Dichlorprop	<0.003	µg / l	<0.100	
		3545	Fluroxypyr	<0.008	µg / l	<0.100	

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Certificate Number: 1168391-2 Final
Supercedes report 1168391-1

Order Number:

Lab Ref.	Sample Details	Method	Test	Result	Units	Limit	Flag
4630628	Continued from Page 1	3545	MCPA	<0.008	µg / l	<0.100	
		3545	MCPB	<0.008	µg / l	<0.100	
		3545	Mecoprop (MCP)	<0.005	µg / l	<0.100	
		3545	Triclopyr	<0.015	µg / l	<0.100	
		2587	Atrazine	<0.002	µg / l	<0.100	
		2587	Carbendazim	<0.001	µg / l	<0.100	
		2587	Carbetamide	<0.002	µg / l	<0.100	
		2587	Chlortoluron	<0.003	µg / l	<0.100	
		2587	Diuron	<0.004	µg / l	<0.100	
		2587	Epoxiconazole	<0.003	µg / l	<0.100	
		2587	Flutriafol	<0.003	µg / l	<0.100	
		2587	Isoproturon	<0.003	µg / l	<0.100	
		2587	Linuron	<0.003	µg / l	<0.100	
		2587	Oxadixyl	<0.003	µg / l	<0.100	
		2587	Pendimethalin	<0.007	µg / l	<0.100	
		2587	Prometryn	<0.002	µg / l	<0.100	
		2587	Propazine	<0.002	µg / l	<0.100	
		2587	Simazine	<0.003	µg / l	<0.100	
		2587	Terbutryn	<0.002	µg / l	<0.100	
		2587	Trietazine	<0.004	µg / l	<0.100	
		480	Benzo (a) pyrene	<0.003	µg / l	<0.010	
		480	Benzo(1,12)perylene	<0.003	µg / l		
		480	Benzo(11,12)fluoranthene	<0.003	µg / l		
		480	Benzo(3,4)fluoranthene	<0.003	µg / l		
		480	Indeno(1,2,3-cd)pyrene	<0.003	µg / l		
		calc	PAH Total	0.000	ug/l	<0.100	*
		775	1,1,1 Trichloroethane	<0.60	µg / l		
		775	1,2-Dichloroethane	<0.12	µg / l	<3.00	
		775	Benzene	<0.02	µg / l	<1.00	
		775	Dibromochloromethane	5.79	µg / l		
		775	Dichlorobromomethane	1.24	µg / l		
		775	Tetrachloroethene	<0.15	µg / l	<10.00	
		calc	Tetrachloroethene/Trichloroethene- Sum	0.00	µg / l		*
		775	Tetrachloromethane	<0.11	µg / l	<3.00	
		calc	Total Trihalomethanes	18.03	µg / l	<100.00	*
		775	Tribromomethane	11.00	µg / l		
		775	Trichloroethene	<0.10	µg / l	<10.00	
		775	Trichloromethane	<0.50	µg / l		
		730	Aluminium	<6.1	µg / l	<200.0	
		730	Iron	20.8	µg / l	<200.0	
		730	Manganese	2.8	µg / l	<50.0	
		735	Cadmium	<0.12	µg / l	<5.00	
		735	Chromium	<0.5	µg / l	<50.0	
		730	First Draw Copper	0.016	mg/l	<2.000	
		730	First Draw Lead	<0.9	µg / l	<10.0	

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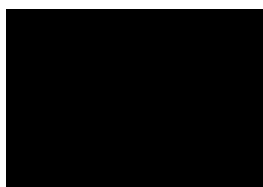


1579

Certificate Number: 1168391-2 Final
Supercedes report 1168391-1

Order Number:

Lab Ref.	Sample Details	Method	Test	Result	Units	Limit	Flag
4630628	Continued from Page 2	730	First Draw Nickel	8.6	µg / l	<20.0	
		360	Clostridium perfringens (including spore	0	cfu/100ml	0	
		calc	Pesticides - Total Substances	0.000	ug/l		*
		4170	Aldrin	<0.007	µg / l	<0.030	
		4170	Dichlobenil	<0.006	µg / l	<0.100	
		4170	Dieldrin	<0.007	µg / l	<0.030	
		4170	Gamma-HCH (Lindane)	<0.005	µg / l	<0.100	
		4170	Heptachlor	<0.008	µg / l	<0.030	
		4170	Heptachlor Epoxide	<0.005	µg / l	<0.030	
		4170	Propyzamide	<0.005	µg / l	<0.100	
		4170	Tri-allate	<0.005	µg / l	<0.100	
		5374	Tritium	<8.5	Bq/l	<100.0	
		295	Gross Alpha	<0.02	Bq/l	<0.10	
		295	Gross Beta	<0.28	Bq/l	<1.00	
		250	Total Organic Carbon	0.9	mg/l		



Laboratory Manager

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1579

E-Mail: [REDACTED]
Website: [REDACTED]

ANALYTICAL REPORT

Page 1 of 3



Date Received: 30/10/2023

Certificate Number: 1168392-2 Final
Supersedes report 1168392-1

Order Number:

Date Reported: 27/11/2023

Lab Ref.	Sample Details	Method	Test	Result	Units	Limit	Flag
4630630	Desc: B1032	255	Ammonium (Ammonia and Ammonium Ions)	<0.020	mg/l	<0.500	
	Received Date: 30/10/2023						
	Tested Date: 30/10/2023	245	Nitrate	0.9	mg/l	<50.0	
	Sampling Date: 30/10/2023 11:30	225	Nitrite	<0.004	mg/l	<0.500	
	Sample Type: DW : Drinking Water	calc	Nitrite/Nitrate	0.018	mg/l	<1.000	*
	Product: SS-PWS	230	Odour - Quantitative	0			
		230	Taste - Quantitative	0			
		430	Colony Count 3 Days at 22°C	0	cfu/ml		
		400	E coli	0	mpn/100ml	0	
		400	Total Coliforms	0	mpn/100ml	0	
		660	Colour	<2	mg/l Pt/Co	<20	
		660	Conductivity	845	uS/cm		
		660	Hydrogen Ion (pH)	7.4	pH_unit	6.5 to 9.5	
		660	Turbidity	0.250	NTU	<4.000	
		ext	Acrylamide	<0.008	µg / l	<0.100	
		ext	Epichloroydrin	<0.1	µg / l	<0.10	*
		ext	Vinyl Chloride	<0.130	µg / l	<0.500	
		3401	Bromate	<0.8	µg / l	<10.0	
		390	Enterococci	0	cfu/100ml	0	
		765	Mercury	<0.04	µg / l	<1.00	
		745	Antimony	0.3	µg / l	<5.0	
		745	Arsenic	1.7	µg / l	<10.0	
		745	Selenium	<0.8	µg / l	<10.0	
		740	Boron	0.109	mg/l	<1.000	
		740	Sodium	41.3	mg/l	<200.0	
		3371	Fluoride	0.821	mg/l	<1.500	
		3545	2,4,5-T	<0.007	µg / l	<0.100	
		3545	2,4-D	<0.007	µg / l	<0.100	
		3545	Bentazone	<0.007	µg / l	<0.100	
		3545	Bromoxynil	<0.007	µg / l	<0.100	
		3545	Dicamba	<0.020	µg / l	<0.100	
		3545	Dichlorprop	<0.003	µg / l	<0.100	
		3545	Fluroxypyr	<0.008	µg / l	<0.100	

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Certificate Number: 1168392-2 Final
Supercedes report 1168392-1

Order Number:

Lab Ref.	Sample Details	Method	Test	Result	Units	Limit	Flag
4630630	Continued from Page 1	3545	MCPA	<0.008	µg / l	<0.100	
		3545	MCPB	<0.008	µg / l	<0.100	
		3545	Mecoprop (MCP)	<0.005	µg / l	<0.100	
		3545	Triclopyr	<0.015	µg / l	<0.100	
		2587	Atrazine	<0.002	µg / l	<0.100	
		2587	Carbendazim	<0.001	µg / l	<0.100	
		2587	Carbetamide	<0.002	µg / l	<0.100	
		2587	Chlortoluron	<0.003	µg / l	<0.100	
		2587	Diuron	<0.004	µg / l	<0.100	
		2587	Epoxiconazole	<0.003	µg / l	<0.100	
		2587	Flutriafol	<0.003	µg / l	<0.100	
		2587	Isoproturon	<0.003	µg / l	<0.100	
		2587	Linuron	<0.003	µg / l	<0.100	
		2587	Oxadixyl	<0.003	µg / l	<0.100	
		2587	Pendimethalin	<0.007	µg / l	<0.100	
		2587	Prometryn	<0.002	µg / l	<0.100	
		2587	Propazine	<0.002	µg / l	<0.100	
		2587	Simazine	<0.003	µg / l	<0.100	
		2587	Terbutryn	<0.002	µg / l	<0.100	
		2587	Trietazine	<0.004	µg / l	<0.100	
		480	Benzo (a) pyrene	<0.003	µg / l	<0.010	
		480	Benzo(1,12)perylene	<0.003	µg / l		
		480	Benzo(11,12)fluoranthene	<0.003	µg / l		
		480	Benzo(3,4)fluoranthene	0.003	µg / l		
		480	Indeno(1,2,3-cd)pyrene	<0.003	µg / l		
		calc	PAH Total	0.003	ug/l	<0.100	*
		775	1,1,1 Trichloroethane	<0.60	µg / l		
		775	1,2-Dichloroethane	<0.12	µg / l	<3.00	
		775	Benzene	<0.02	µg / l	<1.00	
		775	Dibromochloromethane	6.36	µg / l		
		775	Dichlorobromomethane	1.21	µg / l		
		775	Tetrachloroethene	<0.15	µg / l	<10.00	
		calc	Tetrachloroethene/Trichloroethene- Sum	0.00	µg / l		*
		775	Tetrachloromethane	<0.11	µg / l	<3.00	
		calc	Total Trihalomethanes	23.88	µg / l	<100.00	*
		775	Tribromomethane	16.31	µg / l		
		775	Trichloroethene	<0.10	µg / l	<10.00	
		775	Trichloromethane	<0.50	µg / l		
		730	Aluminium	<6.1	µg / l	<200.0	
		730	Iron	67.1	µg / l	<200.0	
		730	Manganese	2.9	µg / l	<50.0	
		735	Cadmium	<0.12	µg / l	<5.00	
		735	Chromium	<0.5	µg / l	<50.0	
		730	First Draw Copper	0.139	mg/l	<2.000	
		730	First Draw Lead	1.6	µg / l	<10.0	

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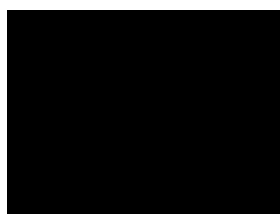


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Certificate Number: 1168392-2 Final
Supercedes report 1168392-1

Order Number:

Lab Ref.	Sample Details	Method	Test	Result	Units	Limit	Flag
4630630	Continued from Page 2	730	First Draw Nickel	14.9	µg / l	<20.0	
		360	Clostridium perfringens (including spore	0	cfu/100ml	0	
		calc	Pesticides - Total Substances	0.000	ug/l		*
		4170	Aldrin	<0.007	µg / l	<0.030	
		4170	Dichlobenil	<0.006	µg / l	<0.100	
		4170	Dieldrin	<0.007	µg / l	<0.030	
		4170	Gamma-HCH (Lindane)	<0.005	µg / l	<0.100	
		4170	Heptachlor	<0.008	µg / l	<0.030	
		4170	Heptachlor Epoxide	<0.005	µg / l	<0.030	
		4170	Propyzamide	<0.005	µg / l	<0.100	
		4170	Tri-allate	<0.005	µg / l	<0.100	
		295	Gross Alpha	<0.02	Bq/l	<0.10	
		295	Gross Beta	<0.28	Bq/l	<1.00	
		5374	Tritium	<8.5	Bq/l	<100.0	
		250	Total Organic Carbon	0.9	mg/l		



Laboratory Manager

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ext - Analysis subcontracted to an external laboratory



1579

E-Mail: [REDACTED]
Website: [REDACTED]

ANALYTICAL REPORT

Page 1 of 3



Date Received: 30/10/2023

Certificate Number: 1168417-2 Final
Supersedes report 1168417-1

Order Number:

Date Reported: 27/11/2023

Lab Ref.	Sample Details	Method	Test	Result	Units	Limit	Flag
4630631	Desc: B212	255	Ammonium (Ammonia and Ammonium Ions)	<0.020	mg/l	<0.500	
	Received Date: 30/10/2023						
	Tested Date: 30/10/2023	245	Nitrate	1.1	mg/l	<50.0	
	Sampling Date: 30/10/2023 11:00	225	Nitrite	<0.004	mg/l	<0.500	
	Sample Type: DW : Drinking Water	calc	Nitrite/Nitrate	0.022	mg/l	<1.000	*
	Product: SS-PWS						
		230	Odour - Quantitative	0			
		230	Taste - Quantitative	0			
		430	Colony Count 3 Days at 22°C	0	cfu/ml		
		400	E coli	0	mpn/100ml	0	
		400	Total Coliforms	0	mpn/100ml	0	
		660	Colour	<2	mg/l Pt/Co	<20	
		660	Conductivity	857	uS/cm		
		660	Hydrogen Ion (pH)	7.3	pH_unit	6.5 to 9.5	
		660	Turbidity	1.090	NTU	<4.000	
		ext	Acrylamide	<0.008	µg / l	<0.100	
		ext	Epichloroydrin	<0.1	µg / l	<0.10	*
		ext	Vinyl Chloride	<0.130	µg / l	<0.500	
		3401	Bromate	<0.8	µg / l	<10.0	
		390	Enterococci	0	cfu/100ml	0	
		765	Mercury	<0.04	µg / l	<1.00	
		745	Antimony	0.3	µg / l	<5.0	
		745	Arsenic	1.1	µg / l	<10.0	
		745	Selenium	<0.8	µg / l	<10.0	
		740	Boron	0.111	mg/l	<1.000	
		740	Sodium	38.1	mg/l	<200.0	
		3371	Fluoride	0.795	mg/l	<1.500	
		3545	2,4,5-T	<0.007	µg / l	<0.100	
		3545	2,4-D	<0.007	µg / l	<0.100	
		3545	Bentazone	<0.007	µg / l	<0.100	
		3545	Bromoxynil	<0.007	µg / l	<0.100	
		3545	Dicamba	<0.020	µg / l	<0.100	
		3545	Dichlorprop	<0.003	µg / l	<0.100	
		3545	Fluroxypyr	<0.008	µg / l	<0.100	

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Certificate Number: 1168417-2 Final
Supercedes report 1168417-1

Order Number:

Lab Ref.	Sample Details	Method	Test	Result	Units	Limit	Flag
4630631	Continued from Page 1	3545	MCPA	<0.008	µg / l	<0.100	
		3545	MCPB	<0.008	µg / l	<0.100	
		3545	Mecoprop (MCP)	<0.005	µg / l	<0.100	
		3545	Triclopyr	<0.015	µg / l	<0.100	
		2587	Atrazine	<0.002	µg / l	<0.100	
		2587	Carbendazim	<0.001	µg / l	<0.100	
		2587	Carbetamide	<0.002	µg / l	<0.100	
		2587	Chlortoluron	<0.003	µg / l	<0.100	
		2587	Diuron	<0.004	µg / l	<0.100	
		2587	Epoxiconazole	<0.003	µg / l	<0.100	
		2587	Flutriafol	<0.003	µg / l	<0.100	
		2587	Isoproturon	<0.003	µg / l	<0.100	
		2587	Linuron	<0.003	µg / l	<0.100	
		2587	Oxadixyl	<0.003	µg / l	<0.100	
		2587	Pendimethalin	<0.007	µg / l	<0.100	
		2587	Prometryn	<0.002	µg / l	<0.100	
		2587	Propazine	<0.002	µg / l	<0.100	
		2587	Simazine	<0.003	µg / l	<0.100	
		2587	Terbutryn	<0.002	µg / l	<0.100	
		2587	Trietazine	<0.004	µg / l	<0.100	
		480	Benzo (a) pyrene	<0.003	µg / l	<0.010	
		480	Benzo(1,12)perylene	<0.003	µg / l		
		480	Benzo(11,12)fluoranthene	<0.003	µg / l		
		480	Benzo(3,4)fluoranthene	<0.003	µg / l		
		480	Indeno(1,2,3-cd)pyrene	<0.003	µg / l		
		calc	PAH Total	0.000	ug/l	<0.100	*
		775	1,1,1 Trichloroethane	<0.60	µg / l		
		775	1,2-Dichloroethane	<0.12	µg / l	<3.00	
		775	Benzene	<0.02	µg / l	<1.00	
		775	Dibromochloromethane	3.66	µg / l		
		775	Dichlorobromomethane	0.81	µg / l		
		775	Tetrachloroethene	<0.15	µg / l	<10.00	
		calc	Tetrachloroethene/Trichloroethene- Sum	0.00	µg / l		*
		775	Tetrachloromethane	<0.11	µg / l	<3.00	
		calc	Total Trihalomethanes	13.86	µg / l	<100.00	*
		775	Tribromomethane	9.39	µg / l		
		775	Trichloroethene	<0.10	µg / l	<10.00	
		775	Trichloromethane	<0.50	µg / l		
		730	Aluminium	<6.1	µg / l	<200.0	
		730	Iron	<7.3	µg / l	<200.0	
		730	Manganese	<1.7	µg / l	<50.0	
		735	Cadmium	<0.12	µg / l	<5.00	
		735	Chromium	<0.5	µg / l	<50.0	
		730	First Draw Copper	0.041	mg/l	<2.000	
		730	First Draw Lead	<0.9	µg / l	<10.0	

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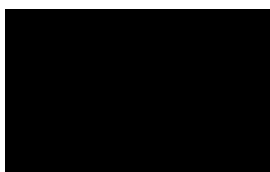


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Certificate Number: 1168417-2 Final
Supercedes report 1168417-1

Order Number:

Lab Ref.	Sample Details	Method	Test	Result	Units	Limit	Flag
4630631	Continued from Page 2	730	First Draw Nickel	3.7	µg / l	<20.0	
		360	Clostridium perfringens (including spore	0	cfu/100ml	0	
		calc	Pesticides - Total Substances	0.000	ug/l		*
		4170	Aldrin	<0.007	µg / l	<0.030	
		4170	Dichlobenil	<0.006	µg / l	<0.100	
		4170	Dieldrin	<0.007	µg / l	<0.030	
		4170	Gamma-HCH (Lindane)	<0.005	µg / l	<0.100	
		4170	Heptachlor	<0.008	µg / l	<0.030	
		4170	Heptachlor Epoxide	<0.005	µg / l	<0.030	
		4170	Propyzamide	<0.005	µg / l	<0.100	
		4170	Tri-allate	<0.005	µg / l	<0.100	
		5374	Tritium	<8.5	Bq/l	<100.0	
		295	Gross Alpha	<0.02	Bq/l	<0.10	
		295	Gross Beta	<0.28	Bq/l	<1.00	
		250	Total Organic Carbon	0.9	mg/l		



Laboratory Manager

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1579

E-Mail: [REDACTED]
Website: [REDACTED]

ANALYTICAL REPORT

Page 1 of 3



Date Received: 30/10/2023

Certificate Number: 1168418-2 Final
Supersedes report 1168418-1

Order Number:

Date Reported: 27/11/2023

Lab Ref.	Sample Details	Method	Test	Result	Units	Limit	Flag
4630632	Desc: PORTACABIN	255	Ammonium (Ammonia and Ammonium Ions)	<0.020	mg/l	<0.500	
	Received Date: 30/10/2023						
	Tested Date: 30/10/2023	245	Nitrate	3.6	mg/l	<50.0	
	Sampling Date: 30/10/2023 11:00	225	Nitrite	<0.004	mg/l	<0.500	
	Sample Type: DW : Drinking Water	calc	Nitrite/Nitrate	0.072	mg/l	<1.000	*
	Product: SS-PWS	230	Odour - Quantitative	0			
		230	Taste - Quantitative	0			
		430	Colony Count 3 Days at 22°C	0	cfu/ml		
		400	E coli	0	mpn/100ml	0	
		400	Total Coliforms	0	mpn/100ml	0	
		660	Colour	<2	mg/l Pt/Co	<20	
		660	Conductivity	852	uS/cm		
		660	Hydrogen Ion (pH)	7.4	pH_unit	6.5 to 9.5	
		660	Turbidity	<0.120	NTU	<4.000	
		ext	Acrylamide	<0.008	µg / l	<0.100	
		ext	Epichloroydrin	<0.1	µg / l	<0.10	*
		ext	Vinyl Chloride	<0.130	µg / l	<0.500	
		3401	Bromate	<0.8	µg / l	<10.0	
		390	Enterococci	0	cfu/100ml	0	
		765	Mercury	<0.04	µg / l	<1.00	
		745	Antimony	0.3	µg / l	<5.0	
		745	Arsenic	1.9	µg / l	<10.0	
		745	Selenium	<0.8	µg / l	<10.0	
		740	Boron	0.112	mg/l	<1.000	
		740	Sodium	38.9	mg/l	<200.0	
		3371	Fluoride	0.824	mg/l	<1.500	
		3545	2,4,5-T	<0.007	µg / l	<0.100	
		3545	2,4-D	<0.007	µg / l	<0.100	
		3545	Bentazone	<0.007	µg / l	<0.100	
		3545	Bromoxynil	<0.007	µg / l	<0.100	
		3545	Dicamba	<0.020	µg / l	<0.100	
		3545	Dichlorprop	<0.003	µg / l	<0.100	
		3545	Fluroxypyr	<0.008	µg / l	<0.100	

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Certificate Number: 1168418-2 Final
Supercedes report 1168418-1

Order Number:

Lab Ref.	Sample Details	Method	Test	Result	Units	Limit	Flag
4630632	Continued from Page 1	3545	MCPA	<0.008	µg / l	<0.100	
		3545	MCPB	<0.008	µg / l	<0.100	
		3545	Mecoprop (MCP)	<0.005	µg / l	<0.100	
		3545	Triclopyr	<0.015	µg / l	<0.100	
		2587	Atrazine	<0.002	µg / l	<0.100	
		2587	Carbendazim	<0.001	µg / l	<0.100	
		2587	Carbetamide	<0.002	µg / l	<0.100	
		2587	Chlortoluron	<0.003	µg / l	<0.100	
		2587	Diuron	<0.004	µg / l	<0.100	
		2587	Epoxiconazole	<0.003	µg / l	<0.100	
		2587	Flutriafol	<0.003	µg / l	<0.100	
		2587	Isoproturon	<0.003	µg / l	<0.100	
		2587	Linuron	<0.003	µg / l	<0.100	
		2587	Oxadixyl	<0.003	µg / l	<0.100	
		2587	Pendimethalin	<0.007	µg / l	<0.100	
		2587	Prometryn	<0.002	µg / l	<0.100	
		2587	Propazine	<0.002	µg / l	<0.100	
		2587	Simazine	<0.003	µg / l	<0.100	
		2587	Terbutryn	<0.002	µg / l	<0.100	
		2587	Trietazine	<0.004	µg / l	<0.100	
		480	Benzo (a) pyrene	<0.003	µg / l	<0.010	
		480	Benzo(1,12)perylene	<0.003	µg / l		
		480	Benzo(11,12)fluoranthene	<0.003	µg / l		
		480	Benzo(3,4)fluoranthene	<0.003	µg / l		
		480	Indeno(1,2,3-cd)pyrene	<0.003	µg / l		
		calc	PAH Total	0.000	ug/l	<0.100	*
		775	1,1,1 Trichloroethane	<0.60	µg / l		
		775	1,2-Dichloroethane	<0.12	µg / l	<3.00	
		775	Benzene	<0.02	µg / l	<1.00	
		775	Dibromochloromethane	6.49	µg / l		
		775	Dichlorobromomethane	1.29	µg / l		
		775	Tetrachloroethene	<0.15	µg / l	<10.00	
		calc	Tetrachloroethene/Trichloroethene- Sum	0.00	µg / l		*
		775	Tetrachloromethane	<0.11	µg / l	<3.00	
		calc	Total Trihalomethanes	24.19	µg / l	<100.00	*
		775	Tribromomethane	16.41	µg / l		
		775	Trichloroethene	<0.10	µg / l	<10.00	
		775	Trichloromethane	<0.50	µg / l		
		730	Aluminium	<6.1	µg / l	<200.0	
		730	Iron	7.3	µg / l	<200.0	
		730	Manganese	<1.7	µg / l	<50.0	
		735	Cadmium	<0.12	µg / l	<5.00	
		735	Chromium	<0.5	µg / l	<50.0	
		730	First Draw Copper	0.049	mg/l	<2.000	
		730	First Draw Lead	<0.9	µg / l	<10.0	

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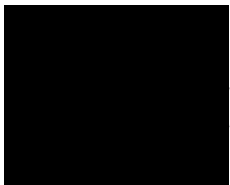


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Certificate Number: 1168418-2 Final
Supercedes report 1168418-1

Order Number:

Lab Ref.	Sample Details	Method	Test	Result	Units	Limit	Flag
4630632	Continued from Page 2	730	First Draw Nickel	8.7	µg / l	<20.0	
		360	Clostridium perfringens (including spore	0	cfu/100ml	0	
		calc	Pesticides - Total Substances	0.000	ug/l		*
		4170	Aldrin	<0.007	µg / l	<0.030	
		4170	Dichlobenil	<0.006	µg / l	<0.100	
		4170	Dieldrin	<0.007	µg / l	<0.030	
		4170	Gamma-HCH (Lindane)	<0.005	µg / l	<0.100	
		4170	Heptachlor	<0.008	µg / l	<0.030	
		4170	Heptachlor Epoxide	<0.005	µg / l	<0.030	
		4170	Propyzamide	<0.005	µg / l	<0.100	
		4170	Tri-allate	<0.005	µg / l	<0.100	
		295	Gross Alpha	<0.02	Bq/l	<0.10	
		295	Gross Beta	<0.28	Bq/l	<1.00	
		5374	Tritium	<8.5	Bq/l	<100.0	
		250	Total Organic Carbon	0.9	mg/l		



Laboratory Manager

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E-Mail: [REDACTED]
Website: [REDACTED]

ANALYTICAL REPORT

Page 1 of 3



Date Received: 30/10/2023

Certificate Number: 1168419-2 Final
Supersedes report 1168419-1

Order Number:

Date Reported: 27/11/2023

Lab Ref.	Sample Details	Method	Test	Result	Units	Limit	Flag
4630634	Desc: B381	255	Ammonium (Ammonia and Ammonium Ions)	<0.020	mg/l	<0.500	
	Received Date: 30/10/2023						
	Tested Date: 30/10/2023	245	Nitrate	1.2	mg/l	<50.0	
	Sampling Date: 30/10/2023 13:00	225	Nitrite	<0.004	mg/l	<0.500	
	Sample Type: DW : Drinking Water	calc	Nitrite/Nitrate	0.024	mg/l	<1.000	*
	Product: SS-PWS	230	Odour - Quantitative	0			
		230	Taste - Quantitative	0			
		430	Colony Count 3 Days at 22°C	2	cfu/ml		
		400	E coli	0	mpn/100ml	0	
		400	Total Coliforms	0	mpn/100ml	0	
		660	Colour	<2	mg/l Pt/Co	<20	
		660	Conductivity	842	uS/cm		
		660	Hydrogen Ion (pH)	7.2	pH_unit	6.5 to 9.5	
		660	Turbidity	<0.120	NTU	<4.000	
		ext	Acrylamide	<0.008	µg / l	<0.100	
		ext	Epichloroydrin	<0.1	µg / l	<0.10	*
		ext	Vinyl Chloride	<0.130	µg / l	<0.500	
		3401	Bromate	<0.8	µg / l	<10.0	
		390	Enterococci	0	cfu/100ml	0	
		765	Mercury	<0.04	µg / l	<1.00	
		745	Antimony	0.3	µg / l	<5.0	
		745	Arsenic	1.9	µg / l	<10.0	
		745	Selenium	<0.8	µg / l	<10.0	
		740	Boron	0.110	mg/l	<1.000	
		740	Sodium	38.9	mg/l	<200.0	
		3371	Fluoride	0.819	mg/l	<1.500	
		3545	2,4,5-T	<0.007	µg / l	<0.100	
		3545	2,4-D	<0.007	µg / l	<0.100	
		3545	Bentazone	<0.007	µg / l	<0.100	
		3545	Bromoxynil	<0.007	µg / l	<0.100	
		3545	Dicamba	<0.020	µg / l	<0.100	
		3545	Dichlorprop	<0.003	µg / l	<0.100	
		3545	Fluroxypyr	<0.008	µg / l	<0.100	

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Certificate Number: 1168419-2 Final
Supercedes report 1168419-1

Order Number:

Lab Ref.	Sample Details	Method	Test	Result	Units	Limit	Flag
4630634	Continued from Page 1	3545	MCPA	<0.008	µg / l	<0.100	
		3545	MCPB	<0.008	µg / l	<0.100	
		3545	Mecoprop (MCP)	<0.005	µg / l	<0.100	
		3545	Triclopyr	<0.015	µg / l	<0.100	
		2587	Atrazine	<0.002	µg / l	<0.100	
		2587	Carbendazim	<0.001	µg / l	<0.100	
		2587	Carbetamide	<0.002	µg / l	<0.100	
		2587	Chlortoluron	<0.003	µg / l	<0.100	
		2587	Diuron	<0.004	µg / l	<0.100	
		2587	Epoxiconazole	<0.003	µg / l	<0.100	
		2587	Flutriafol	<0.003	µg / l	<0.100	
		2587	Isoproturon	<0.003	µg / l	<0.100	
		2587	Linuron	<0.003	µg / l	<0.100	
		2587	Oxadixyl	<0.003	µg / l	<0.100	
		2587	Pendimethalin	<0.007	µg / l	<0.100	
		2587	Prometryn	<0.002	µg / l	<0.100	
		2587	Propazine	<0.002	µg / l	<0.100	
		2587	Simazine	<0.003	µg / l	<0.100	
		2587	Terbutryn	<0.002	µg / l	<0.100	
		2587	Trietazine	<0.004	µg / l	<0.100	
		480	Benzo (a) pyrene	<0.003	µg / l	<0.010	
		480	Benzo(1,12)perylene	<0.003	µg / l		
		480	Benzo(11,12)fluoranthene	<0.003	µg / l		
		480	Benzo(3,4)fluoranthene	<0.003	µg / l		
		480	Indeno(1,2,3-cd)pyrene	<0.003	µg / l		
		calc	PAH Total	0.000	ug/l	<0.100	*
		775	1,1,1 Trichloroethane	<0.60	µg / l		
		775	1,2-Dichloroethane	<0.12	µg / l	<3.00	
		775	Benzene	<0.02	µg / l	<1.00	
		775	Dibromochloromethane	2.38	µg / l		
		775	Dichlorobromomethane	0.57	µg / l		
		775	Tetrachloroethene	<0.15	µg / l	<10.00	
		calc	Tetrachloroethene/Trichloroethene- Sum	0.00	µg / l		*
		775	Tetrachloromethane	<0.11	µg / l	<3.00	
		calc	Total Trihalomethanes	7.15	µg / l	<100.00	*
		775	Tribromomethane	4.20	µg / l		
		775	Trichloroethene	<0.10	µg / l	<10.00	
		775	Trichloromethane	<0.50	µg / l		
		730	Aluminium	<6.1	µg / l	<200.0	
		730	Iron	<7.3	µg / l	<200.0	
		730	Manganese	<1.7	µg / l	<50.0	
		735	Cadmium	<0.12	µg / l	<5.00	
		735	Chromium	<0.5	µg / l	<50.0	
		730	First Draw Copper	0.010	mg/l	<2.000	
		730	First Draw Lead	<0.9	µg / l	<10.0	

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ext - Analysis subcontracted to an external laboratory



1579

Certificate Number: 1168419-2 Final
Supercedes report 1168419-1

Order Number:

Lab Ref.	Sample Details	Method	Test	Result	Units	Limit	Flag
4630634	Continued from Page 2	730	First Draw Nickel	8.8	µg / l	<20.0	
		360	Clostridium perfringens (including spore	0	cfu/100ml	0	
		calc	Pesticides - Total Substances	0.000	ug/l		*
		4170	Aldrin	<0.007	µg / l	<0.030	
		4170	Dichlobenil	<0.006	µg / l	<0.100	
		4170	Dieldrin	<0.007	µg / l	<0.030	
		4170	Gamma-HCH (Lindane)	<0.005	µg / l	<0.100	
		4170	Heptachlor	<0.008	µg / l	<0.030	
		4170	Heptachlor Epoxide	<0.005	µg / l	<0.030	
		4170	Propyzamide	<0.005	µg / l	<0.100	
		4170	Tri-allate	<0.005	µg / l	<0.100	
		5374	Tritium	<8.5	Bq/l	<100.0	
		295	Gross Alpha	<0.02	Bq/l	<0.10	
		295	Gross Beta	<0.28	Bq/l	<1.00	
		250	Total Organic Carbon	1.0	mg/l		

Laboratory Manager

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1579

E-Mail: [REDACTED]
Website: [REDACTED]

ANALYTICAL REPORT

Page 1 of 3



Date Received: 30/10/2023

Certificate Number: 1168444-2 Final
Supersedes report 1168444-1

Order Number:

Date Reported: 27/11/2023

Lab Ref.	Sample Details	Method	Test	Result	Units	Limit	Flag
4630637	Desc: B345	255	Ammonium (Ammonia and Ammonium Ions)	<0.020	mg/l	<0.500	
	Received Date: 30/10/2023						
	Tested Date: 30/10/2023	245	Nitrate	1.1	mg/l	<50.0	
	Sampling Date: 30/10/2023 13:00	225	Nitrite	<0.004	mg/l	<0.500	
	Sample Type: DW : Drinking Water	calc	Nitrite/Nitrate	0.022	mg/l	<1.000	*
	Product: SS-PWS	230	Odour - Quantitative	0			
		230	Taste - Quantitative	0			
		430	Colony Count 3 Days at 22°C	0	cfu/ml		
		400	E coli	0	mpn/100ml	0	
		400	Total Coliforms	0	mpn/100ml	0	
		660	Colour	<2	mg/l Pt/Co	<20	
		660	Conductivity	835	uS/cm		
		660	Hydrogen Ion (pH)	7.3	pH_unit	6.5 to 9.5	
		660	Turbidity	<0.120	NTU	<4.000	
		ext	Acrylamide	<0.008	µg / l	<0.100	
		ext	Epichloroydrin	<0.1	µg / l	<0.10	*
		ext	Vinyl Chloride	<0.130	µg / l	<0.500	
		3401	Bromate	<0.8	µg / l	<10.0	
		390	Enterococci	0	cfu/100ml	0	
		765	Mercury	<0.04	µg / l	<1.00	
		745	Antimony	0.3	µg / l	<5.0	
		745	Arsenic	1.9	µg / l	<10.0	
		745	Selenium	<0.8	µg / l	<10.0	
		740	Boron	0.111	mg/l	<1.000	
		740	Sodium	37.5	mg/l	<200.0	
		3371	Fluoride	0.829	mg/l	<1.500	
		3545	2,4,5-T	<0.007	µg / l	<0.100	
		3545	2,4-D	<0.007	µg / l	<0.100	
		3545	Bentazone	<0.007	µg / l	<0.100	
		3545	Bromoxynil	<0.007	µg / l	<0.100	
		3545	Dicamba	<0.020	µg / l	<0.100	
		3545	Dichlorprop	<0.003	µg / l	<0.100	
		3545	Fluroxypyr	<0.008	µg / l	<0.100	

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1579

Certificate Number: 1168444-2 Final
Supercedes report 1168444-1

Order Number:

Lab Ref.	Sample Details	Method	Test	Result	Units	Limit	Flag
4630637	Continued from Page 1	3545	MCPA	<0.008	µg / l	<0.100	
		3545	MCPB	<0.008	µg / l	<0.100	
		3545	Mecoprop (MCP)	<0.005	µg / l	<0.100	
		3545	Triclopyr	<0.015	µg / l	<0.100	
		2587	Atrazine	<0.002	µg / l	<0.100	
		2587	Carbendazim	<0.001	µg / l	<0.100	
		2587	Carbetamide	<0.002	µg / l	<0.100	
		2587	Chlortoluron	<0.003	µg / l	<0.100	
		2587	Diuron	<0.004	µg / l	<0.100	
		2587	Epoxiconazole	<0.003	µg / l	<0.100	
		2587	Flutriafol	<0.003	µg / l	<0.100	
		2587	Isoproturon	<0.003	µg / l	<0.100	
		2587	Linuron	<0.003	µg / l	<0.100	
		2587	Oxadixyl	<0.003	µg / l	<0.100	
		2587	Pendimethalin	<0.007	µg / l	<0.100	
		2587	Prometryn	<0.002	µg / l	<0.100	
		2587	Propazine	<0.002	µg / l	<0.100	
		2587	Simazine	<0.003	µg / l	<0.100	
		2587	Terbutryn	<0.002	µg / l	<0.100	
		2587	Trietazine	<0.004	µg / l	<0.100	
		480	Benzo (a) pyrene	<0.003	µg / l	<0.010	
		480	Benzo(1,12)perylene	<0.003	µg / l		
		480	Benzo(11,12)fluoranthene	<0.003	µg / l		
		480	Benzo(3,4)fluoranthene	<0.003	µg / l		
		480	Indeno(1,2,3-cd)pyrene	<0.003	µg / l		
		calc	PAH Total	0.000	ug/l	<0.100	*
		775	1,1,1 Trichloroethane	<0.60	µg / l		
		775	1,2-Dichloroethane	<0.12	µg / l	<3.00	
		775	Benzene	<0.02	µg / l	<1.00	
		775	Dibromochloromethane	6.27	µg / l		
		775	Dichlorobromomethane	1.29	µg / l		
		775	Tetrachloroethene	<0.15	µg / l	<10.00	
		calc	Tetrachloroethene/Trichloroethene- Sum	0.00	µg / l		*
		775	Tetrachloromethane	<0.11	µg / l	<3.00	
		calc	Total Trihalomethanes	19.81	µg / l	<100.00	*
		775	Tribromomethane	12.25	µg / l		
		775	Trichloroethene	<0.10	µg / l	<10.00	
		775	Trichloromethane	<0.50	µg / l		
		730	Aluminium	<6.1	µg / l	<200.0	
		730	Iron	<7.3	µg / l	<200.0	
		730	Manganese	<1.7	µg / l	<50.0	
		735	Cadmium	<0.12	µg / l	<5.00	
		735	Chromium	<0.5	µg / l	<50.0	
		730	First Draw Copper	0.017	mg/l	<2.000	
		730	First Draw Lead	<0.9	µg / l	<10.0	

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1579

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Supercedes report 1168444-1

Order Number:

Lab Ref.	Sample Details	Method	Test	Result	Units	Limit	Flag
4630637	Continued from Page 2	730	First Draw Nickel	8.8	µg / l	<20.0	
		360	Clostridium perfringens (including spore	0	cfu/100ml	0	
		calc	Pesticides - Total Substances	0.000	ug/l		*
		4170	Aldrin	<0.007	µg / l	<0.030	
		4170	Dichlobenil	<0.006	µg / l	<0.100	
		4170	Dieldrin	<0.007	µg / l	<0.030	
		4170	Gamma-HCH (Lindane)	<0.005	µg / l	<0.100	
		4170	Heptachlor	<0.008	µg / l	<0.030	
		4170	Heptachlor Epoxide	<0.005	µg / l	<0.030	
		4170	Propyzamide	<0.005	µg / l	<0.100	
		4170	Tri-allate	<0.005	µg / l	<0.100	
		295	Gross Alpha	<0.02	Bq/l	<0.10	
		295	Gross Beta	<0.28	Bq/l	<1.00	
		5374	Tritium	<8.5	Bq/l	<100.0	
		250	Total Organic Carbon	0.8	mg/l		

Laboratory Manager

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