

## Risk Assessment


<b>Client</b>	Lancashire County Council
<b>Site</b>	Accrington Union Street Area Office 44 Union Street BB5 1PL

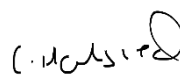
<b>Date:</b>	<b>17/10/2024</b>
<b>Survey Carried out by:</b>	<b>Alex Mullen</b>


<b>Sub-Tenant Status</b>	<b>Commercial</b>
--------------------------	-------------------

### System Risk Rating

LOW	MEDIUM	HIGH
	X	

<b>Engineers Name:</b>	Alex Mullen
<b>Engineers Signature:</b>	

<b>Site Contact Name:</b>	Claire Halstead
<b>Site Contact Signature:</b>	

<b>Reviewed By:</b>	Nick Rudge
<b>Reviewer Signature:</b>	

## General System Details

System No.	System Identification	Water Source	Number of CWS Tanks	Number of Water Heaters	Number of Calorifiers	Number of Hot Taps	Number of Cold Taps	Number of Showers
Lancashire county council	Accrington union street area office	Mains	0	7	0	8	8	0

## Management

Is There a Site Logbook	Is the logbook Up To Date & Being Filled In?	Schematic Drawings Present?	Management Structure & Written Scheme Present?	Is there a monitoring Regime Required?
Yes	Yes	Yes	Yes	Yes

## Outlet Survey

Outlet Location/ Name	Outlet Type	Isolation Present	TMV Temp (°C) if Fitted	Water temperature after running for 1 MIN HOT & 2 MINS COLD		Sentinel Point	Sample Taken?	Comments/ Action Required	Priority for Action
				HOT (°C)	COLD (°C)				H, M, L
First floor male WC x1 HWB	Tap	✓	N/A	69	13	Yes	Yes	Risk of scalding. Hot water caution label already above outlet.	LOW
First floor female WC x1 HWB	Tap	✓	N/A	57	14	Yes	No	N/A	N/A
First floor cleaners room x1 Belfast sink	Tap	✗	N/A	58	14	Yes	No	N/A	N/A
Ground floor accessible WC x1 HWB	Tap	✓	42	67	14	No	Yes	TMV fitted. TMV requires servicing following manufacturers guidelines.	MEDIUM
Ground floor cleaners room x1 Belfast sink	Tap	✓	N/A	67	14	Yes	No	Risk of scalding. Hot water warning label recommended above outlet.	LOW
Ground floor kitchen x1 sink	Tap	✓	N/A	70	16	Yes	No	Risk of scalding. Hot water caution label already above outlet.	N/A




Ground floor kitchen x1 HWB	Tap	✓	N/A	59	15	Yes	No	N/A	N/A
Ground floor female WC x1 HWB	Tap	✓	N/A	55	14	Yes	No	N/A	N/A

## Calorifier Survey

Cal/ Heater Ref.	System Fed by it?	Approx. Vol.	Type  Horizontal, Vertical, Plate Exchanger, POU	Means of Heating	Is Aspect Satisfactory? YES/NO					Water Temperature (°C)			Comments/ Action Required	Priority for Action
					Insulation	Duty/Standby Arrangements	Temp Gauges	Access for Cleaning	Cleaning & Pasteurisation Regime	Flow	Return	Bottom		H, M, L
POU 01 (First floor male WC)	First floor male WC domest ic hot water	10	POU	Electric	Yes	N/A	Yes	N/A	N/A	69	N/A	N/A	N/A	N/A
POU 02 (First floor female WC)	First floor female WC domest ic hot water	7	POU	Electric	Yes	N/A	Yes	N/A	N/A	57	N/A	N/A	N/A	N/A
POU 03 (first floor cleaner s room)	First floor cleaner s room domest ic hot water	30 litres	POU	Electric	Yes	N/A	Yes	N/A	N/A	58	N/A	N/A	N/A	N/A
POU 04 (Groun d floor cleaner s room)	Ground floor cleaner s room and ground floor accessi ble WC domest ic hot water	30 litres	POU	Electric	Yes	N/A	Yes	N/A	N/A	67	N/A	N/A	N/A	N/A



System Photographs

<p>External view of building</p> 	<p>POU 01 (First floor male WC)</p> 
<p>POU 02 (First floor female WC)</p> 	<p>POU 03 (First floor cleaners room)</p> 

**POU 04 (Ground floor cleaners room)**



**POU 05 (ground floor kitchen under sink)**



**TMV 01 (Ground floor accessible WC)**



**MCWS (Ground floor accessible toilet)**



## FINAL REPORT

### LANCASHIRE COUNTY SCIENTIFIC SERVICES

Pedders Way, Riversway Docklands,  
Ashton-on-Ribble, Preston.  
PR2 2TX

Tel. No. (01772) 721660

scientificservices@lancashire.gov.uk

Date: **29/10/2024**

Date sampled **17/10/2024**

Date received: **17/10/2024**

Job No

FEEDWATER  
TARRAN WAY W  
TARRAN INDUSTRIAL ESTATE  
BIRKENHEAD  
MORETON  
CH46 4TU

### SITE **ACCRINGTON UNION ST - AREA OFFICE**

Lab Code	Ref	Location taken from	Deviations	F99-11 *Legionella Isolation In L	F9911A *Legionella ID	F9911E *Legionella Enumeration cfu/L	MSTART START MICRO ANALYSIS
24010066	AM1	GROUND FLOOR ACCESSIBLE HWB (TMV FITTED)		Not Detected	Not Tested	< 100	18/10/2024
24010067	AM2	FIRST FLOOR MALE WC HWB - HOT		Not Detected	Not Tested	< 100	18/10/2024

### Comments

This report must not be reproduced except in full, without the permission of the undersigned

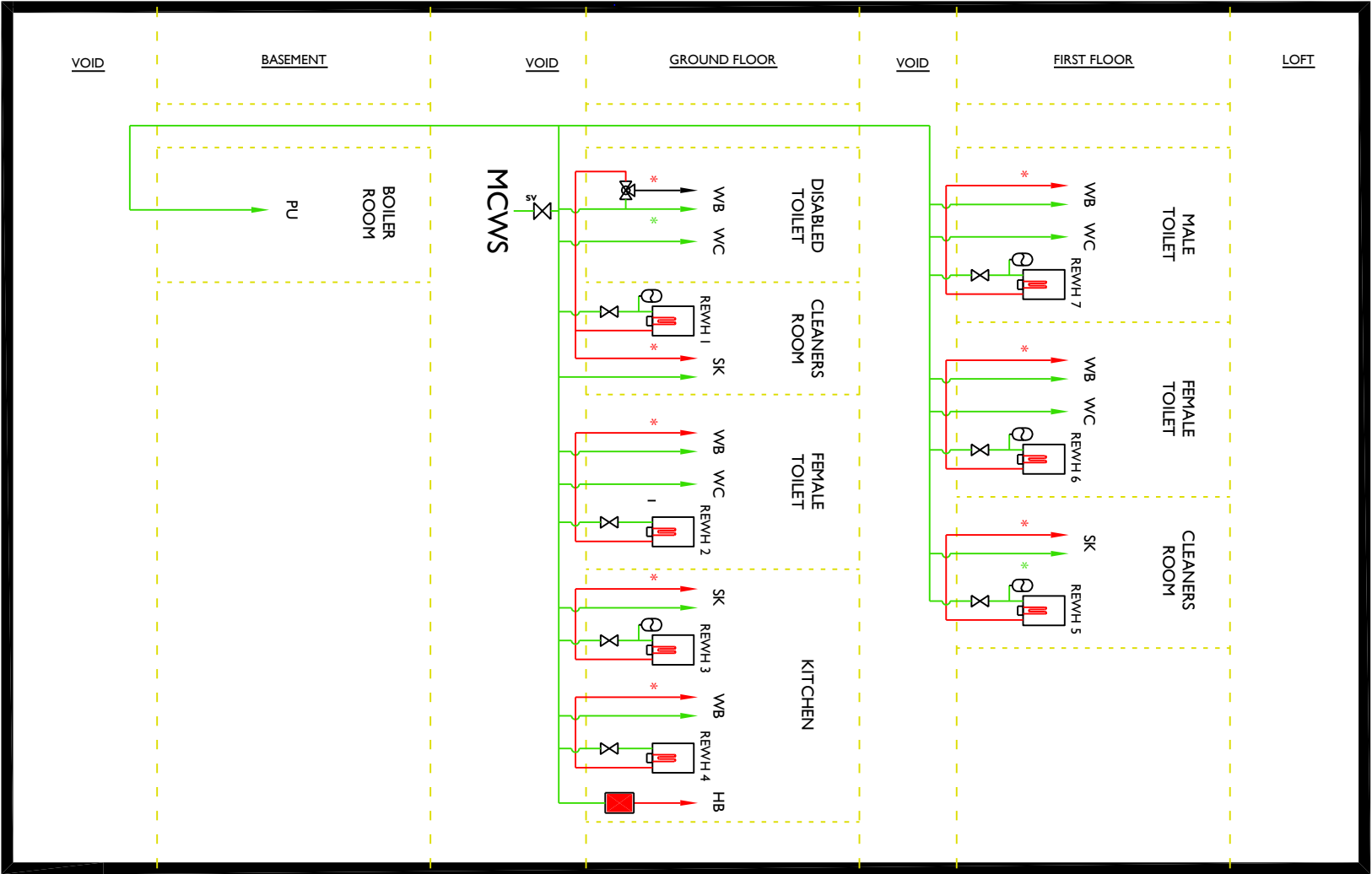
Signed:

Rachel Grundy BSc.

Technical Manager.

Methods marked \* have been accredited by U.K.A.S.  
Analysis was carried out in accordance with BS EN ISO 11731:2017 (Matrix B:Procedure 8,9,10; Medium C - GVPC)  
The results and opinions given relate to the sample as tested and do not necessarily relate to the condition of the whole.  
Any opinions and interpretations given are not subject to U.K.A.S accreditation.  
Information regarding the impact of measurement uncertainty on result interpretation shall be provided on request.





KEY	
	HW = HOT WATER
	HWR = HOT WATER RETURN
	MCW = MAINS COLD WATER
	CCW = CISTERN COLD WATER
	RW/BH = RAIN WATER / BORE HOLE
	SW = SOFTENED WATER
	BW = BLENDED WATER

EQUIPMENT	
WC	TOILET
WB	WASH HAND BASIN
B	BATH
UC	URINAL CISTERN
SK	SINK
BSK	BELFAST SINK
ES	ELECTRIC SHOWER
MS	MIXER SHOWER
DW	DISH WASHER
WM	WASHING MACHINE
SL	SLUICE
DM	DRINKS MACHINE
CM	COFFEE MACHINE
DWF	DRINKING WATER FOUNTAIN
CWF	CHILLED WF
WCH	WATER CHILLER
ST	SENSOR TAP
IM	ICE MAKER
VM	VENDING MACHINE
PR	POTATO RUMBLER
SRSK	SPRAY RINSE SINK

EQUIPMENT SYMBOLS	
	1 HWSC HOT WATER STORAGE CALORIFIER
	2 ESC ELECTRIC STORAGE CALORIFIER
	3 COMBI COMBI BOILER
	4 LVWH LOW VOLUME WATER HEATER
	5 IH INSTANTANEOUS HOT WATER HEATER
	6 HB/ZIP HYDROBOIL /ZIP BOILER
	7 HWSC HOT WATER STORAGE CALORIFIER
	8 ESC ELECTRIC STORAGE CALORIFIER
	9 GFHWC GAS FIRED HOT WATER CALORIFIER
	10 PHE PLATE HEAT EXCHANGER
	11 T COLD WATER STORAGE TANK
	IMM IMMERSION HEATER

FITTINGS	
	BT BIB TAP
	HR HOSE REEL
	TEMPERATURE / PRESSURE GAUGE
	METER
	VALVE OPEN / CLOSED
	TMV / MIXER VALVE
	PRV
	PRESSURE RELIEF VALVE
	STRAINER
	PRESSURE VESSEL
	NON RETURN VALVE
	DOUBLE CHECK VALVE
	PUMP
	TUNDISH
	DEAD LEG
	FILTER
	DRAIN / SAMPLE POINT
	PIPE BREAK
	REDUCED PRESSURE ZONE
	WATER SOFTENER PLANT
	REVERSE OSMOSIS UNIT

Date	Drawn	Chkd	Drawing No
21/10/2024	SED	SD	1011

## **Feedwater Risk Assessment Team Profiles**

### **Risk Assessors**

#### **Nick Rudge**

Nick is a Support Services Manager within Feedwater who joined us in 2015 with 10 years of prior experience in the maintenance of water systems and legionella risk assessment. As well as in-house training from Feedwater and his previous employers, Nick is City and Guilds qualified in not only in Legionella Risk Assessment but also in plumbing and holds the IOSH Managing Safely qualification.

Nick is competent to legionella risk assess domestic, cooling water and miscellaneous water systems.

#### **Phil Vaughan**

Phil joined Feedwater in 2004 and has spent the last 11 years working in aspects of legionella control and L8 compliance and has been a legionella risk assessor for the last 9 years. As well as extensive in-house training from Feedwater he is City and Guilds qualified in domestic water risk assessments.

Phil is competent to legionella risk assess domestic, cooling water and miscellaneous water systems.

#### **Mike Waters**

Mike joined Feedwater in 2003 initially as a lab technician and has spent 8 years involved in aspects of legionella control and L8 compliance and has been a legionella risk assessor since 2015 for the last 4 years. As well as extensive in-house training from Feedwater he is City and Guilds qualified in domestic water risk assessments. Mike is competent to legionella risk assess domestic, cooling water and miscellaneous water systems.

#### **Rhian Mullen**

Rhian joined Feedwater in 2019 and obtained City and Guilds qualification on Legionella risk assessment for domestic waters. He has held various posts in the water treatment industry since 2006. Rhian has been assessed as competent to conduct risk assessments for all domestic water services and simple miscellaneous systems and is working towards cooling water assessment.

#### **Owen Llewellyn**

Owen joined Feedwater 2014 and has been involved in aspects of legionella control and L8 compliance since and has been carrying legionella risk assessments for the last 5 years. As well as extensive in-house training from Feedwater he is City and Guilds qualified in domestic and cooling water risk assessments.

Owen is competent to legionella risk assess domestic, cooling and all types of miscellaneous water systems.

#### **Andrew Moody**

Andrew has worked for Feedwater since 2016 as an Environmental Team Leader. He holds a recognised qualification in Legionella risk assessment of hot and cold-water systems and can undertake assessments on all such systems. He also holds City and guilds qualifications in Legionella control.

### **Aaron McMordie**

Aaron joined Feedwater in early 2024 having worked in the water treatment industry for a previous company. Aaron completed a foundation level Hot and Cold Domestic risk assessment course with the Water Management Society and has been part of several on site risk assessments since joining Feedwater to gain experience. Aaron has been assessed as competent to complete simple domestic system Legionella risk assessments.

### **Jon Barton**

Jon Barton joined Feedwater in 2016 and has since become an independent assessor whilst remaining part of our team. Jon is qualified in risk assessing all domestic systems and cooling towers. Jon is a member of the water Management Society and also holds a level 2 diploma in plumbing skills.

### **Russell Thompson**

Russell began risk assessing for Feedwater in 2022. He has a wealth of experience in risk assessing and holds City and Guilds qualifications for risk assessing domestic services and cooling systems, together with an MSc in environmental Health from the University of Birmingham. Russell also has pool qualifications and is able to perform risk assessments on all system types.

### **Claire Brookes**

Claire also began assessing for Feedwater in 2022. She holds Legionella risk assessments qualifications in both domestic and cooling water, accredited by City and Guilds. She is able to assess all system types. Claire hold a BSc (Hons) in Natural Sciences from the University of Birmingham.

### **Alix Gillies**

Alix Gillies began assessing for Feedwater in 2022. He has qualifications in Legionella risk assessment and specifically on cooling tower assessment. He can assess all domestic systems and cooling systems.

### **Legionella Risk Assessment Quality Assurance Team**

The Feedwater legionella risk assessment system is devised by Gary Hogben and Owen Llewellyn who are responsible for overseeing the quality of legionella risk assessments. Dr Yolla McCoy and Nick Rudge are also authorised to review and moderate risk assessments.

### **Gary Hogben BSc, C.Biol. FRSB – Technical Manager**

Gary has represented the United Kingdom on a European Committee producing a European standard for Legionella control. He worked with the Environment Agency Committee of Analysts setting sampling standards for Legionella testing in water. He has been a Technical Advisor to the Department of Health regarding selection of techniques for the suppression of Legionella in water supplies in healthcare.

Gary is a BSI panel member for review of BS7592: Legionella sampling - Code of Practice.

Gary is Feedwater's Technical Manager and oversees our busy UKAS accredited laboratory. He is a Fellow of the Royal Society for Biology, and a member of the Society for Applied Microbiology. Gary holds Chartered Biologist status. He is also a Senior Member of The Water Management Society.

### **Dr Yolla McCoy**

Dr. Yolla McCoy is a water treatment industry expert with nearly three decades of experience in microbiology, analytical chemistry, quality control, health and safety, sustainability, marketing, and sales. She holds a Ph.D. in Environmental Engineering with a specialization in Water Management and Resources from the University of Birmingham. Yolla's career has encompassed roles in academia and industry, making her a versatile and accomplished professional.

Her expertise extends to critical areas such as controlling waterborne pathogens in healthcare settings and optimizing water treatment processes in industrial applications. She is also a passionate advocate for transdisciplinary research, believing that the integration of various scientific disciplines is key to advancing sustainable solutions.

With a background in project management, technical support, and research and development, Dr. McCoy has consistently driven innovation and excellence in her field. She has authored numerous publications and actively collaborates with industry partners and academic institutes to drive innovation in the industrial water treatment sector.

In addition to her dedication to advancing science, sustainability and effective project management Yolla is an advocate for gender equality in all STEM fields, striving to shatter barriers and pave the way for greater inclusivity and diversity.

**August 2024**