



Water Safety & Usage Group
Minutes of meeting on Tuesday 30th January 2024
Via MS Teams

Attendees:

Dr Ciaran O’Gorman (CoG)	Consultant Medical Microbiologist	RGH
George McCracken (GMcC)	Head of Estates Risk & Environment	MPH
Alan Metcalfe (AM)	Co-Director Estate Services	MPH
Joanna Dougherty (JD)	Estates Divisional Risk Manager	MPH
Alex Whittlely (AW)	Estates Risk	MPH



Maureen Edwards (ME)	Director of Finance, Estates & Capital Development	RGH
Nigel Keery (NK)	Head of Estates Operations	MPH
Megan Hamilton (MH)	Estates Decontamination Team	MPH
Niall Ahern (NA)	Locum Doctor, Microbiology	RGH
Samuel Hosick (SH)	Estates Decontamination Team	MPH

Apologies:

Norah Noel (NN)	Dental Services	RGH
Siobhan Higginson (SH)	Estates Operations	RGH
Deirdre Winters (DW)	Physiotherapy Services	MIH



James Inglis (JI)	Capital Development	RGH
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Ingrid Traynor (IT)	Physiotherapy Services	MPH
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In Attendance:



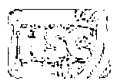
Minutes circulated to all attendees and those who were not present, as well as:



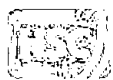
Meeting attendance table

Group members	Present at meeting held 26/09/23	Present at meeting held 30/01/24				
Maureen Edwards (RP)	X	✓				
George McCracken (RP)	✓	✓				
Brenda Creaney (RP)	X	X				
Dr Ciaran O'Gorman (RP)	✓	✓				
Alan Metcalfe	✓	✓				
Joanna Dougherty	✓	✓				
Alex Whittle	✓	✓				
[REDACTED]	■	■				
Justine Boyle	✓ KL	X CoB				
[REDACTED]	■	■				
Deirdre Winters/Ingrid Traynor	✓IT	X				
[REDACTED]						
[REDACTED]	■	■				
Megan Hamilton/Samuel Hosick	X	✓ MH/SH				
[REDACTED]	■	■				
Nigel Keery (NK)	X	✓				
Norah Noel (NN)	X	X				
James Inglis (JI)	X	X				

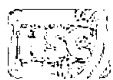
RP – Responsible Person



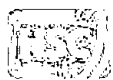
Item		Action
1.0 1.1	Apologies As noted above.	NOTE
2.0	Previous Minutes All agreed – no amendments.	NOTE
3.0	<p>Matters arising from previous meeting</p> <ol style="list-style-type: none"> 1. Water Coolers – JD confirmed she has contacted David Ruck, PaLS to instruct that no water coolers are to be purchased without the prior approval of the Risk Team. This matter is now closed. 2. Elliot Dynes future use – AW provided an update to the group. The work to upgrade the domestic hot and cold water system, flooring and clinical rooms will commence on 3rd February. GMcC and CoG will meet to discuss the potential designation of this ward as level 2 Augmented Care. 3. RBHSC New building – GMcC confirmed that a small working group has been established to provide guidance for the design of the New Children’s Hospital. 	<p>NOTE</p> <p>GMc/CoG</p>
4.0	Service Group/Sub-group Reports - Reporting period 1st September to 31st December 2023	
4.1	<p>Estates</p> <p>AW presented the Estates report, outlining all sampling that has taken place as per Estates water procedural arrangements. Attention is drawn to the summary information on page 3 (point 2).</p> <p>Points of note are as follows;</p> <ol style="list-style-type: none"> 1. Works to replace the soil stacks in BCH Tower Block South side continues. Levels 1 & 2 are complete. Levels 3, 4 & 5 will be completed shortly. Legionella monitoring continues following reinstatement of the programmed flushing regime in the BCH Tower Block north side. 2. The Trust must continue to be cognizant of the number of unoccupied areas and under-used outlets across the entire Trust estate. Any service group aware of areas unoccupied should inform the Estates Risk Team. 3. Estates Operations team on RGH site continue to work on improving the domestic hot and cold-water infrastructure in RBHSC. Legionella sampling continues with necessary remediation carried out. 4. Investigations continue into the potential source/cause of legionella positives in RBHSC. Removal of outlets (WHBs, showers and baths) which are infrequently used is being investigated. This work is taking place in conjunction with the review of water treatment systems. An update will be provided at the next meeting 	<p>NOTE</p> <p>ALL</p> <p>NOTE</p> <p>AW</p>



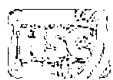
	<p>5. A project to replace existing Steri-spray UV technology (taps and showers) continues. The next phase of the works is planned in Level 3 RVH in the HDU which is currently being utilised by Renal Services. An update will be provided at the next meeting.</p> <p>6. Work in Immunology Day Ward in Elliot Dynes will commence 2nd February 2024. A programme of works to remove redundant outlets and upgrade existing wash hand basins to improve water movement throughout the ward has been agreed. Work to enhance the ward appearance is planned also. An update will be provided at the next meeting.</p> <p>7. A survey to review outlets in RABIU, MPH has been completed. Redundant outlets will be removed to improve water movement and quality throughout the ward. An update will be provided at the next meeting.</p> <p>8. The project to replace clinical wash hand basins and IPS panels with agreed Corian design throughout the BCH Tower Block is complete with all 237 outlets changed.</p> <p>9. A project is ongoing to upgrade outlets (wash hand basins, showers etc.) throughout Withers Wards at Musgrave Park Hospital. Monochloramine has been installed in the building as a secondary water treatment to improve and maintain water quality. The removal of one of the CWST is planned to compliment the works. An update will be provided at the next meeting.</p> <p>10. In MPH Mitre Building, discussions regarding the removal of infrequently used showers and outlets in the pool area are ongoing with physiotherapy staff. An update will be provided at the next meeting.</p> <p>11. A review of water treatment delivery at several locations is ongoing. Sites include Elliot Dynes and RBHSC at RGH and the BCH Tower. Monochloramine as a water treatment solution is being considered following the successful results identified at NICC. Tests are ongoing to determine what is best suited for each location. Filtration of dialysis points is also being considered as part of this process. AW will provide an update at the next meeting.</p> <p>12. Training sessions for the staff in NICU covering the topic of water safety will continue. Feedback from the training has been positive and this training is being included into the training induction schedule for new staff.</p> <p>13. The Ward Sister for CCB RICU has confirmed that rooms on Level 4 are used by relatives of patients and RICU staff (Doctors) and therefore, should remain on the</p>	<p>AW</p> <p>AW</p> <p>AW</p> <p>AW</p> <p>NOTE</p> <p>AW</p> <p>AW</p> <p>AW</p> <p>NOTE</p> <p>NOTE</p>
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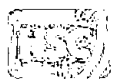
	<p>sampling schedule. Positive pseudomonas results are relatively frequent in these locations.</p> <p>14. A new water Main is being installed (pre CLO2) treatment for the Renal Pod at RVH RBHSC. Works are ongoing.</p> <p>15. New Maternity building – The Estates Risk Team have been asked to keep the current sampling schedule under review with the expectation that extensive sampling of the new maternity building will be required once it enters steady state.</p> <p>16. RGH, Level 3 HDU Temporary renal location – AW discussed the ongoing Pseudomonas testing in this area and enquired if this could be stopped because this type of area is not sampled elsewhere in the Trust. CoG agreed that this testing could cease going forward.</p>	<p>NOTE</p> <p>NOTE</p> <p>NOTE</p>
<p>4.2</p>	<p>Augmented Care Group</p> <p>████ provided an update from the Augmented Care Group meeting.</p> <p>Points of note are as follows;</p> <ol style="list-style-type: none"> 1. Most clinical areas were represented at the last Augmented Care meeting. 2. Key points of note were as follows: <ol style="list-style-type: none"> a. Several service areas reported ongoing review of remedial works being carried out due to detection of legionella/ pseudomonas from outlets (Clarke Clinic, CHU, PICU, Adult Critical care RVH). b. 6N have had remedial works completed and showers now back in action. c. NICU: The proposed Water Reduced Neonatal Unit (WRNU) Task and Finish Group have considered several options for review; the sub-group have devised risk assessments against each option. Health and Safety and the Task and Finish Group will review documents. d. BCH 10N: BHSCT outbreak of <i>Pseudomonas aeruginosa</i> now formally closed, however national incident ongoing. e. PCSS colleagues reminded clinical areas to include PCSS in water risk assessments. 	
<p>4.3</p>	<p>Renal Services</p> <p>████ provided an update and report for Renal services. The main points are as follows;</p> <ol style="list-style-type: none"> 1. Microbiological testing on all central water plant units (CWPs) across the Trust returned 104 samples with 0 failures. All re-tests returned within acceptable limits. 	<p>NOTE</p>



	<ol style="list-style-type: none"> 2. Chemical/trace metal analysis testing on all CWP's returned within acceptable limits. 3. All 21 portable WROs were tested during this period with 98 samples returning 5 failures. Corrective action was taken and all re-tests returned within acceptable limits. 4. The total chlorine in the raw water supplies to the Trust dialysis areas during the reporting period was on average approx. 0.4 ppm. 5. Currently all pre-treatment water plants in the Trust are working well with no issues to report. 6. Currently Estates and the Renal Technical Department are having discussions about using Monochloramine and its implications for Nephrology, when used for disinfecting the water supply to the hospital wards. Update on progress to be provided at the next meeting. 	<p>■</p>
<p>4.4</p>	<p>Physiotherapy There was no representative from Physiotherapy at this meeting however IT provided an update and report prior to the meeting;</p> <ol style="list-style-type: none"> 1. All chemistry imbalances (see spreadsheet) across the 3 sites (MPH, RVH Level 3 and RBHSC) were attended to and managed by Estates in a prompt manner. 2. MPH had one issue with the pump room dosing system. This was resolved on 19th September 2023 by Estates. 3. MPH had an issue of a low water tank level, resolved on 9th October 2023 by Estates 4. MPH had 2 issues with water samples arriving at labs with no labels. The samples were labelled leaving Physiotherapy. Labels were lost in transit, despite being inside the bag. Photograph evidence is now taken of all water samples leaving Physiotherapy and situation will be monitored. 5. RBHSC are having repetitive issues with poolside air temperature dropping due to cover being on. Now resolved by turning fans off, removing pool cover 20 minutes before pool session and opening doors of changing rooms to allow air to circulate. 6. RBHSC, two unsatisfactory water samples (28th Sept and 27th Nov. 2023), resulting in pool closure (2 and 4 days respectively), back wash period, cleaning and retesting. 	<p>NOTE</p>
<p>4.5</p>	<p>Decontamination Services ■ reported for Decontamination, main points are as follows;</p> <ol style="list-style-type: none"> 1. Contingency invoked after Hot RO pump failure 8th January 2024. Replacement pump fitted and double thermal sanitisations carried out with water sampling from RO plant and final rinse water from Endoscopy washer 	<p>NOTE</p>



	<p>disinfectors. Water results were satisfactory as per HTM 01-06 standard and normal service resumed.</p> <ol style="list-style-type: none"> 2. RVH unit reopened on 9th December 2023 with six new RapidAER machines. All water testing has met HTM 01-06 guidelines and results continue to be satisfactory. 3. All other water testing performed by the decontamination service has been completed in line with testing schedules and HTM01-01 & HTM 01-06 testing requirements. 	
<p>4.6</p>	<p>PCSS  provided an update for PCSS and provided a report. The main points are as follows;</p> <ol style="list-style-type: none"> 1. Regular, consistent cleaning is carried out in line with well-established work schedules to ensure that Support Services are compliant with cleaning standards and flushing protocols. 2. Cleaning standards continue to be monitored through audit, supervisors observational monitoring and verification of cleaning practices. These processes are all documented and available for inspection. 3. Staff who work in the Augmented Care locations in all areas across the BHSCT have received induction training, which demonstrates the correct cleaning techniques in line with the agreed cleaning protocols in relation to flushing, sink cleaning, shower cleaning, baths, sluice sinks, sluice hoppers and ice machines. Training records are kept locally and are available for inspection. 4. Water Safety training records are maintained and updated within the EC team. 	<p>NOTE</p>
<p>5.0 5.1</p>	<p>Independent Review Post meeting update as follows;</p> <ol style="list-style-type: none"> 1. Work is ongoing with the Estates Risk team to identify gaps in the current water design guide, based on the issue of recent revised British Standards. An update on progress is to be provided at the next meeting. 2.  is continuing to work on analysis of the pseudomonas aeruginosa sampling data in NICU and Legionella data for NICC. This is being prepared for publication in collaboration with GMcC and assistance from . An update on progress is to be provided at the next meeting. 3.  is a member of the NHSE NHP water safety group, which is part of a task group looking at improving the design of water and drainage systems. 4.  is also currently chairing a group producing a technical bulletin to update HTM 04 01 in response to the coroner's findings from the Papworth outbreak of 	<p>  NOTE </p>



	<p>M.abscessus which resulted in 2 deaths and multiple cases in lung transplant units. These radical changes should be published in May 2024 and an update will be provided at the next meeting.</p> <p>5. The business case for a new British Standard BS 7592-2 for Pseudomonas aeruginosa sampling has just been approved, which [REDACTED] will chair, and AW will be representing DoH NI. An update on progress is to be provided at the next meeting.</p>	[REDACTED]/AW
6.0	Legislation/Guidance Changes	
6.1	GMcC confirmed there is a new addendum in progress for HTM04-01 Safe water in Healthcare Premises.	NOTE
7.0	Training	
7.1	AW met with [REDACTED] to discuss the additional updates and information which can be used in the training materials.	NOTE
8.0	Changes to Service Group Procedural and/or Structural Arrangements	
8.1	Nothing to report	
9.0	Standing Items	
9.1	JD will review the terms of reference for the next meeting.	JD
10.0	Any other business	
10.1	Neonatal main ICU (R0006) – This area has been tested every 2 weeks since May 2023 with no Pseudomonas positives during this time. It was agreed that this area can revert to monthly testing.	NOTE
10.2	Capital Projects Update JI was not in attendance at the meeting, no update was provided.	NOTE
11.0	<u>Date of next meeting</u> The next meeting will take place on Tuesday 28 th May 2024.	NOTE