

Belfast Health and Social Care Trust

Water Safety Group Report January 2024

Central Decontamination Units (CDU)

BCH EDU Reverse Osmosis Tank:

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's disinfectors. Water results were satisfactory as per HTM 01-06 standard and normal service resumed. RO plant still running on one pump and will need another new pump fitted. Prospective dates for this work to be carried out is 29th March 2024. A full RO shut down will be needed and water sampling. 72 Hour TVC results likely due to stagnation. To consult with Microbiologist for clarification.

Cold RO element needs replaced and will need a shutdown window.

Chiller at Cold RO needs replaced. Awaiting on part. No impact to service.

RVH EDU Refurbishment:

Phase 2B 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.

MPH Reverse Osmosis Tank:

New Chiller arrived – awaiting install – no impact to service for works

Newly discovered that membranes are fouled on HOT RO needing immediate change as pressure increase is too high for the system. Membranes only 18months old so further investigation is needed. No impact to service as dual train and currently no bacterial elevations. Cold RO membranes will also need changed soon.

Ongoing issue with Element within Cold RO tank needing replaced – no part has been received but intend to do this work at a suitable shutdown period.

RVH CDU Reverse Osmosis Tank:

Carbon recently changed.

New Membranes on RO A changed very early as chlorine was getting into the system. Membranes changed and water Quality good.

Decontamination Service Water testing:

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.