

Killylour WTW Repeat Chlorate Failures in 2024 9th July 2025

Killylour WTW was selected for audit due to failures of the chlorate standard on 21/08/24 and 16/08/24.

Overall, the site was very well run and proactively managed. The Senior Operator clearly had an excellent understanding of the management of the treatment processes, and there is good support from the Process Science team. The site was tidy and clean, and general housekeeping was of a high standard. Water quality instrumentation was calibrated and serviced, and electronic task scheduling was generally well used. Labelling of pipework and other assets in general across the site is good.

Since the chlorate sample failures in 2024, the storage tank has been cleaned, the concentration of sodium hypochlorite strength has been reduced from 15% to 10%, and smaller deliveries are made to reduce storage time. Hypochlorite tanks are in the main building and temperature is monitored. To date there have been no further chlorate failures.

DWQR identified three findings. Proposed interventions to address DWQR's findings, along with completion dates and any interim mitigations that will be put in place have been agreed with Scottish Water.

DWQR will monitor completion of agreed interventions, and may request evidence of completion or re-visit the site.