MWH TREATMENT

Quality Alert 25-88

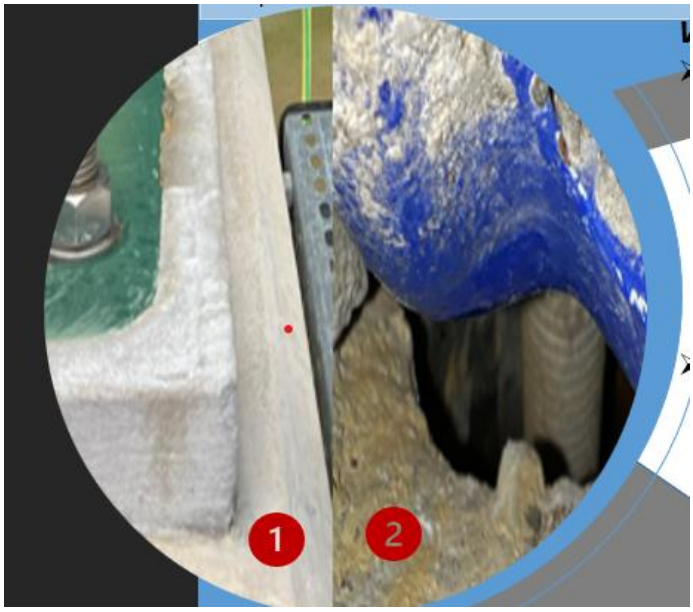
Walton Supply Resilience (Chessington) - Pump & Surge Vessel Grouting Failures

Background:

Structural issues occurred due to improper baseplate grouting practices. Grout was mistakenly applied on top rather than beneath the baseplates, undermining proper load transfer and compromising structural integrity. Furthermore, an improper unfilled void beneath the pump's slab led to grout settlement. The absence of correct grout finishing, such as chamfering and confinement, resulted in cracking. These failures indicate significant shortcomings in procedural compliance and communication.

What did we do?

- **Grout Removal and Void Filling:** Excess grout was precisely trimmed from the affected areas, following the MWHT design team's instructions, we then filled the existing void and around the exposed pump's bolt with appropriate TS and BB grout.
- **Plinth Repair and Finishing:** Damaged plinth surfaces for both the pump and surge vessel were repaired and repainted to restore their integrity and appearance.



What should we have done?

- **Follow the design and procedures strictly**
- **Thorough preparation and management**
- **Clear communication and training**
- **Supervision and quality control**
- **Immediate post-grouting inspection**

If you have any questions, please contact your quality advisor.

Authorised by:	Zoe Robertson	**Date:**	22/10/2025
Distribution list:	*Operations, Capital Delivery, Contractors, and Executive Management Team*		

MWHT Requirements.

Actions

- Ensure an existing asset condition survey is completed for all sites and review the condition of any assets that may affect works with the Client.
- Remember the Quality Principles
- Always follow your Safe System of Work
- Always remember the Lifesaving Commitments
- Follow the advice contained in this Learning Alert
- Ensure you complete a Safe Start card at the start of your shift
- If in **DOUBT STOP WORK** and seek advice from your supervisor
- Report all Incidents or “Improve Its”

Manager:		**Project No:**	
Date:		**Project:**	

BRIEFING RECORD: I HAVE UNDERSTOOD THE BRIEFING ON THIS LEARNING ALERT AND AGREE TO COMPLY WITH MWHT REQUIREMENTS.

Name	Signature	Company