



Standards Alert

Updated and new deemed-to-comply (DTC) drawings for Chemical Dosing Units (CDUs) and Rechlorination plants (RCPs) are now available.

The updated and new DTCs are required to:

- Standardise Installations.
- Align with supplied pump model materials of construction.
- Reduce lifecycle cost.

The DTC drawings provide a pre-approved solution that streamlines and reduces the cost of design and construction.

Why has the specification been updated?

The updated and new DTCs represents a summary of already accepted and proven design solutions and lessons learnt on recently completed similar projects.

What has changed from the previous version?

Key changes include:

- DTC-7002: Note P2 amended to require the outer containment pipe to DWV type rather than PE100/uPVC schedule 80 to align with the recently updated ACP0002 (and future updated RCP) requirements.
- DTC-7008: Submersible pump requirements amended. The model nominated (Tsurumi 50TMA2.75-52) does not come with titanium impellers as previously labelled on the DTC.
- DTC-7021: New DTC drawing to provide details for RCP plumbing and electrical interfaces at site.
- DTC-7023: New DTC drawing showing valve key requirements at CDU and RCP sites.

How do these changes impact users and what are the key benefits?

- DTC-7002: Changing outer pipe material for pipe in pipe dosing line from PE100/uPVC schedule 80 to DWV reduces CAPEX (\$40k) over the next 5 years.
- DTC-7008: Amended to align with supplied pump model materials of construction.
- DTC-7021: Standardises the plumbing and electrical interfaces for RCP installations.
- DTC-7023: Shows the valve key requirements including the U-shaped bar welded at the base of the shaft to straddle the valve handle and serves to standardise installations and provide clarity to suppliers/contractors

When do these changes become effective?

- For projects where detailed design has commenced, the current project-specific designs can continue to be used.
- For projects where detailed design has not yet commenced, the updated and new DTCs must be included in the scope of work. Though use of DTC



designs is not mandatory and alternate complying chamber designs are acceptable, these DTC drawings are available to reduce design time.

- There are opportunities for early adoption to take advantage of the benefits outlined above. The decision to adopt requirements of the updated and new DTCs for existing projects is at the discretion of the Project Manager (or equivalent role that has authority to act on behalf of Sydney Water). The Project Manager must also consider any contractual obligations.

Where can I find the new version?

- [iConnect](#)
- [SWDelivery Portal](#)
- [Sydney Water website](#)

How can I provide feedback?

If you have any feedback, please email standards@sydneywater.com.au.