Standards Alert

Technical Specification - Waste Gas Burner Installations has been updated.

This Specification covers the general requirements for the supply, installation, testing and commissioning of Sydney Water waste gas burners

Why has the standard been revised?

The specification has been revised to improve safety, reliability and risk reduction by transitioning to an industry-standard burner management system.

Key focus areas include:

- Safety in Design.
- Equipment reliability.
- Regulatory compliance.

What has changed from the previous version?

Key changes from the previous version include:

- Burner safety valves supplied and controlled by the Supplier's burner management system rather than Sydney Water SCADA/PLC.
- Modulating flow control valves reduced to one per burner and changed to fail-open.
- UPS requirements clarified.
- Remote burner management system reset function removed.
- Hazardous area and equipment certification required.
- Type B certification to AS 3814 required.

What are the key benefits and impact to users?

- Aligns burner safety valve control with industry best practice, delivering a safer and more compliant waste gas burner design.
- Improved reliability by having fail open and burner management system controlled valves to minimise unnecessary shutdowns.
- Simplification of gas train by reducing the number of modulating control valves.
- Improved availability and reliability with uninterrupted power supply.
- Improved safety by removal of remote reset function.

Ensures compliance with hazardous area requirements and promotes safe, reliable operation through certified equipment selection.

When can I start using the new standard?

When new or updated engineering standards are published, they apply to projects commenced after the publication date. There is no requirement to apply them retrospectively.

Project managers, however, have the discretion to apply new requirements to in-flight projects where they see benefit.

Where can I find the new standard?

The guideline is available on:

- iConnect (for Sydney Water staff),
- SWDelivery Portal (for our delivery partners)
- Sydney Water website (for public users)

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How can I provide feedback?

If you have any feedback on this guideline, please contact the author by email at: standards@sydneywater.com.au.

Please pass this alert onto others that may benefit.