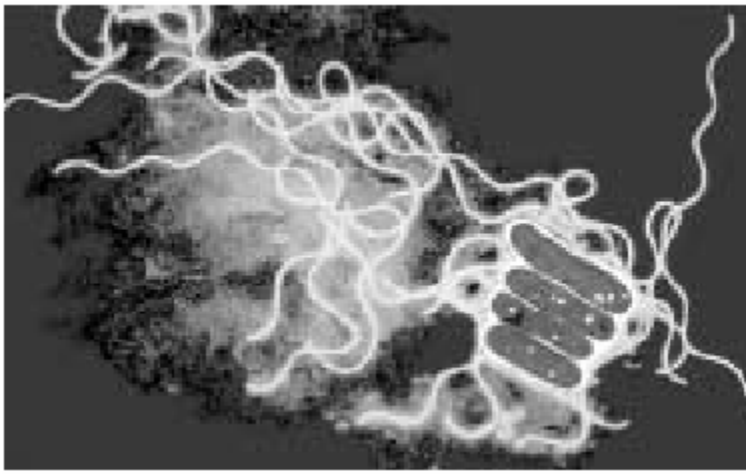
AS 5059 - Power station cooling tower water systems

Management of Legionnaires' disease health risk

The Australian Standard 5059 was developed to improve the control of Legionella bacteria, Legionnaires' disease and general microbial control performance requirements …



AS 5059 - Power Station Cooling Tower Water Systems - Management of Legionnaires' Disease Health Risk

To improve the control of Legionella bacteria, Legionnaires' disease and general microbial control performance requirements at large installations, the Australian Standard AS 5059 entitled "*Power station cooling tower water systems - Management of Legionnaires' disease health risk*" was developed, primarily for use by power station designers, constructors, owners, operators, and regulatory authorities.

Advanced Risk Management

This Australian Standard sets out an advanced risk management methodology that includes all procedures set out in AS/NZS 3666 Part 3. Although AS 5059 is focused on cooling tower systems at power stations, the approach taken to the control of those risks associated with *Legionnaires' disease* is useful for systems of any size and has proven to be comprehensive in its application.

Management of Legionnaires' Disease

AS 5059 - "Power station cooling tower water systems - Management of Legionnaires' disease health risks", identifies control strategies for the management of Legionnaires' disease arising from power station associated cooling tower water systems that are linked with -

- condensing systems of steam-driven turbines; and
- auxiliary plant where -
    - a chemical water treatment programme is in place to control the presence of Legionella bacteria, and
    - shutdown for system treatment and cleaning would require total or partial shutdown of the power station.

This standard sets out an advanced risk management methodology and although focused on systems at power stations, the approach is useful for systems of any size, and has proven to be comprehensive in its application.

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Additional Information & Expert Assistance

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