



As part of reducing the risk of Legionnaires disease, every Cooling Tower System must have a Risk Management Plan (RMP). As a leading water treatment service provider, Hydro Flow offers clear and informative Risk Management Plans which outline the risks associated with Cooling Tower System operation.

**WHAT TO EXPECT**

1. Onsite assessment of the cooling tower, system pipework to plant, components and water treatment program.
2. Liaising with the Customer to determine operational and structural information of the system.
3. Detailed write-up assessing the following 5 Critical Risk Categories and assigning a risk rating of low, medium or high:

❖ **Stagnant Water**

Involves the identification of dead legs; sections of pipework that have minimal to no water circulation, and plant operating intermittently/seasonally.

❖ **Nutrient Availability & Growth**

Addresses contamination sources to the system and how to manage them.

❖ **Poor Water Quality**

Investigates the water treatment program and its effectiveness in providing microbial control.

❖ **Deficiencies in the Cooling Tower System**

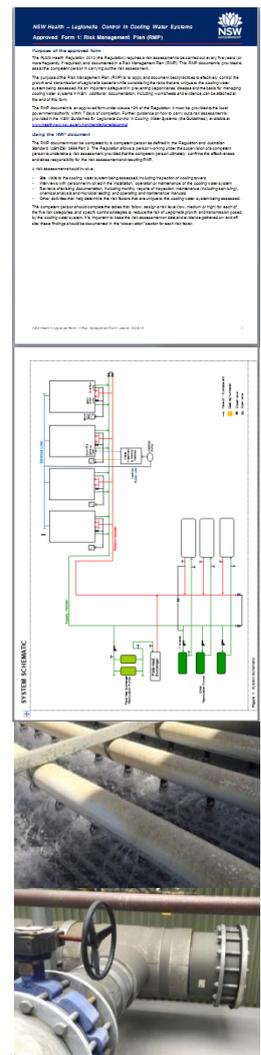
Looks at the age and condition of the system components, in particular the drift eliminators and their compliance with current standards.

❖ **Location and Access to Cooling Towers**

Assesses the nature of the surrounding population with emphasis on health and aged care facilities. Access to cooling tower components for cleaning and maintenance is also assessed.

- + System Schematic
- + Detailed photographs
- + HCC Response Plan
- + Legionella Response Plan

4. A meeting to go through each element of the RMP in detail to ensure your understanding.
5. Signing off.



*Hydro Flow will help you identify & understand the risks so that you can manage them effectively*



## LEGIONELLA Awareness Training

*Legionella* is a naturally occurring bacteria that can enter cooling tower and other plant systems through soil or water dispersion. *Legionella* can rapidly reproduce in a warm and moist environment, particularly in the presence of nutrients (rust, algae, organic) and sunlight, which are often present in cooling tower systems. *Legionella* can then escape the system within aerosols (water droplets) and enter a person's respiratory system where it can cause Legionnaire's disease (severe pneumonia) in immune compromised or susceptible individuals.

As part of an initiative to reduce the incidence of Legionnaires disease, stricter State Government regulations continue to be developed for the building, registration, maintenance, water treatment, servicing and microbiological testing of cooling tower systems. As a leading water treatment service provider, Hydro Flow offers clear and informative Legionella Awareness Training at your premises to assist your company in understanding these complex and often overwhelming legislative requirements relating to cooling tower systems

### KEY TOPICS COVERED

- ❖ Habitats of Legionella
- ❖ Legionnaire's disease
- ❖ Cooling tower operation
- ❖ NSW Public Health Act 2010 & Amendment 2018
- ❖ NSW Public Health and Wellbeing Regulations 2012
- ❖ NSW Code of Practice for the Control of Legionnaires Disease 2004
- ❖ The role of Australian Standard 3666
- ❖ The minimum legal responsibilities
- ❖ Cooling tower registration process
- ❖ Risk Management Plans and the risk assessment process
- ❖ The relationship between Service Programs and Risk Management Plans
- ❖ Response procedures

We continue to offer comprehensive water treatment and servicing programs, project management and maintenance expertise, and detailed Legionella Risk Management Plans for your convenience and peace of mind.

