

Water Safety Plans

Ensuring your ship sanitation is upheld and compliant with regulations is crucial to ensuring the safety of your crew and passengers. Our team of hazardous substances Consultants provide an accredited inspection program that covers every aspect of a ship's water management operation. The successful navigation of this audit results in the issue of a Certificate of Compliance (CoC), giving reassurance of your Safety Management System practices.



What is a Water Safety Plan?

A Water Safety Plan (WSP) is a comprehensive risk assessment and management plan that encompasses all steps in water supply, from source to consumption, in order to ensure the safety of portable water.

The Water Safety Plans (WSP) application was first formally adopted in 2000 during the revision of WHO Guidelines for Drinking Water Quality. The risk management practices used in the WSP was based on many aspects of HACCP (Hazard Analysis and Critical Control Points) used in food hygiene and manufacturing.

Do I need a Water Safety Plan?

According to the World Health Organisation (WHO) diarrhoeal diseases which are largely derived from poor water sanitation account for 2.4 million deaths per year (WHO 1999). Implementing effective water safety plans and conducting thorough risk assessments is key to ensuring protection against waterborne diseases.

The objective of your Water Safety Plan is to ensure that drinking water is safe. This can be achieved through good water supply practice which encompasses:

- Preventing Contamination Of Water At The Source
- Ensuring Water Is Treated To Reduce/Remove Contamination
- Ensuring Water Meets Water Quality Targets
- Preventing Re-Contamination At Storage, Distribution & Handling Stages

When considering hazard identification when conducting risk assessments to form the WSP it is important to consider these factors:

- Variation In Weather
- Potential Contamination Points
- Pollution Sources And Controls
- Waste Water Treatment Processes
- Drinking Water Treatment Processes
- Storage Practices
- Sanitation & Hygiene
- Intended Water Use



WHO Guidelines For Drinking Water Quality - Fourth Edition

Hazardous events can lead to contamination and can risk the health of humans and environment. Knowing where hazards can occur and implementing effective risk control measures are critical steps in protecting teams using the WSP.

Water safety management is becoming a greater priority in light of the current and pending guidance and legislation, public awareness and high profile water-related issues within the marine industry and therefore the issue of potable and recreational water safety management should be a key element of any corporate risk management policy.

Our hazardous management Consultants have developed an accredited inspection program that covers every aspect of a ship's water management operation and ultimately results in the issue of a Certificate of Compliance (CoC) to the vessel which becomes part of the owner's due diligence documentation.

What's the benefits in obtaining a Certificate of Compliance for my Water Safety?

Our comprehensive audit approach and the resulting inspection document ensures an audit trail for future reference and provides auditors of your Safety Management System (SMS) or Quality Management System (QMS), both internal and external, with a comprehensive audit document that ensures an audit trail for continuous improvement. In the event of system contamination, an illness outbreak or other water quality assurance issue, the CoC would provide supporting evidence that the water system risks have been properly evaluated, due diligence carried out and therefore prevent any exposure to expensive litigation, negative publicity, or global brand damage.

In addition, a CoC provides all stakeholders (guests, staff, management, shareholders, insurers, travel agents etc) with the assurance that water safety management is not only taken seriously but also has been ratified by an independent body as being over and above minimum legal requirements.

What should be included in my Water Safety Plan?

The World Health Organisation's (WHO) Guide to Ship Sanitation advises that there are several components to a Water Safety Plan:

1. A System Assessment - to determine if the water quality throughout the system meets health-based targets
2. Control Measures - identifying the risks and implementing effective risk assessments and operational controls to control the risks and monitor system performance
3. Effective Management - implementing plans that describe the required actions that need to be taken for both normal operations and incidents along with required upgrades, testing and monitoring. Part of the management is to cohesively communicate the plan to relevant stakeholders.
4. Operational Monitoring - system of independent surveillance that verifies the above bullet points are operating correctly
5. Management and Communications Review

Why should I use Lucion to conduct my Water Safety Plan?

Working from our international offices across the globe, our Consultants assist you in preparing and developing your Water Safety Plan to ensure that they meet all requirements under the guidance and are fit for purpose.

We can also assist you in carrying out inspection and testing works for the identification of hazardous materials and managing any remediation works required as part of the process.