



Technology Services
For Total Fluid Management

Brewery Audits

Introduction

Pall has a specific business division dedicated to serving the brewery industry needs. The team, which is drawn from the brewery industry, is solely focused on beer specific filtration processes, separation systems and audit services.

Inefficient handling and disposal of beer and related fermentation liquors can significantly increase your costs and lead to regulatory problems. Pall specialists have the expertise and experience to analyze your situation and work with you to solve your brewery problems. For example, understanding water quality needs and proper implementation of filtration into the process can save money and may allow the reuse of some waters.

A brewery audit may reveal processes that can be streamlined or even result in the complete removal of redundant processes. The focus will be on quality assurance in order to enhance brand protection.

Brewery Audit Principles

The audit will be performed by qualified Pall staff. Detail will be provided on the entire filtration process. The audit will be completed in conjunction with existing quality procedures (maintenance and HACCP).

A Brewery Audit will provide a comprehensive assessment of all filtration uses at your facility. Our team will assess the quality and quantity of all liquids and their compliance with applicable regulations, and provide recommendations for alternatives that will reduce costs and assist with regulatory compliance.



Typical Scope of Services

Areas covered by fluid type

- Beer (including recovery processes)
- Services (steam, air, gas)
- Water

Areas covered by brewery area

- Incoming water treatment
- Brew house
- Yeast propagation
- Fermentation
- Maturation
- Filtration
- Bright beer tank
- Bottling
- Kegging
- Canning

Detail provided per filter installation

- Location of the installation
- Documentation and identification
- Type of housing/system
- Type of filter media
- Type of process fluid
- Process parameters

Available Resources

Pall's scientists and engineers are continually developing brewery systems to meet unique needs, comply with ever more stringent regulations, and save money. Our food & beverage specialists have extensive experience with brewery chemistry and quality issues, fermentation treatment, engineering of brewery systems, and successfully work with customers to identify and solve complex problems. The group includes many professional engineers, beer quality specialists, designers, and operators with a wealth of experience in completing and starting-up brewery systems. Our specialists are also familiar with regulatory requirements for brewery discharge.

In addition, modular pilot plants are available to demonstrate and compare treatment alternatives and to develop data for design and regulatory review. The pilot plants are equipped with continuous data monitoring and remote access equipment so that operations can be reviewed frequently and adjusted as needed. In addition, data can also be accessed from Pall offices or when traveling.

Charges

The scope of services for each audit is developed after consultation with you and a review of available data. Charges are developed based on the scope of services. Most projects will be done on a fixed charge basis. Where this is not possible, we will provide an estimate to assist you with budgeting and cost control.

What's the Next Step?

Contact your local Pall representative to discuss your specific requirements. Local Pall staff and brewery specialists will develop a mutually agreeable scope and contract prior to starting work.



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