

Overview of Zeeman requirements for Wet processing units

We as Zeeman developed an overview to use for Wet processing units as we aim to minimize the impact on the environment during production processes. These requirements as set out in this document, are based on the Wet Processing Guidebook by Solidaridad. From the information provided in this guidebook Zeeman sets strict requirements for wet processing units being a part of Zeemans' supply chain. Please study the full Guidebook for a broader understanding and helpful resources of the topics and use this document to reach out to Zeemans' strategy and therefore requests. The page-numbers on each page refer to the guidebook.

Please work on the requirements and provide the documents when requested.

The logo for Zeeman, consisting of the word "ZEEMAN" in a bold, blue, sans-serif font, centered within a yellow rectangular background.

Wastewater and wastewater treatment

**Guidebook
page: 24 - 25**

Summary

When untreated wastewater enters waterways, a series of environmental problems can occur, causing pollution and mainly disrupting aquatic life (page 24).

As a first step, we at Zeeman aim for all wet processing units having an ETP to properly treat the wastewater (see first requirement). Sludge and other waste from the ETP should be disposed in a responsible manner.

When the wet processing unit works with a shared ETP (Central Effluent Treatment Plant) it should comply with the requirements agreed with CETP management. However, the requirements apply in the same manner. For the second requirement, the wet processing unit should request the certified report from the CETP management.

Requirements

All wastewater should be collected and pass the ETP. Evidence of the ETP e.g. licenses, pictures, test reports, should be provided.

Twice per year a test report should be provided of the discharged effluent on the following parameters: BOD5, COD, suspended solids, pH, colour, oil and grease and temperature.

Chemical management

Guidebook
page: 28 - 31

Summary

Hazardous chemicals mean all those that show intrinsically hazardous properties (page 28). Zeeman vision on hazardous chemicals is that the use and the impact of hazardous chemicals should be actively minimized if not eliminated. This mission is integrated in the Chemical Management requirements.

Therefore, it is appreciated to internally develop a mission on how to comply with Zeeman's wish to reduce usage and impact of hazardous chemicals. To assign a chemical management team would be helpful to address the practical implementation.

Requirements

The wet processing unit will sign the Manufacturers Restricted Substances List and actively assess all chemicals used for compliance with the MRSL. Please provide a copy of the signed MRSL including name, date and signature.

A training on the topic of Chemical Management will be executed by Zeeman. Please implement actions where needed.

Water and energy consumption

Guidebook
page: 20 - 23

Summary

When it comes to the textile industry, a lot of fresh water is needed to create and care for a piece of garment (page 22). In addition, the industry is huge and therefore energy intensive.

At Zeeman we aim to reduce the water and energy consumption at our wet processing units. It is therefore relevant to develop an internal mission and strategy which is in line with this goal.

To work on this goal it is needed to assess the complete process of the water and energy consumption. The output of the assessments can be incorporated in a continuous improvement plan.

Requirements

A resource efficiency (like water) and energy assessment should be executed, and actively work on the corrective actions. Evidence should be shared with Zeeman.

Waste and waste management

Summary

The handling of waste is an important element to minimize the impact on the environment.

It is therefore of importance that the wet processing units are aware of the following base aspects.

First, it is important that all waste types are segregated, labelled and stored appropriately. Waste should be stored and handled in the manner that no deterioration and unwanted emissions occur before disposal. Therefore, open air storage is not allowed for chemical and hazardous wastes. No chemical and hazardous waste can be landfilled on own land or on land owned by a third party.

Requirements

- All chemical and hazardous wastes need to be handled and disposed by competent and certified agencies. Certification should be provided annually.
- Volume, class and destination of waste should be reported upon annually.

Health and Safety

**Guidebook
page: 33 - 36**

Summary

Health and safety is an important topic to assure that safe working conditions for the workers are met (page 33).

Zeemans' mission is to provide safe working conditions for all workers in the chain.

Therefore, it is advised to make the work floor management responsible for safe working conditions. It is very relevant that all workers and work floor management know the regulations and use the appropriate personal protection equipment (PPE). Using all equipment should pose no risks and be "fail-safe". When not in use equipment should be shut down. Building safety, electrical safety and fire safety should be properly addressed.

Requirements

A certified health and safety training is obligatory on annual basis for all workers (also new). Details will be provided by Zeeman. Results should be shared with Zeeman accordingly.