

Solution Brief

SAP Material Flow Management and Legal Requirements Foundation by PROLOGA

National as well as international, environment-friendly waste disposal is subject to strict regulation. SAP Material Flow Management and Legal Requirements Foundation by PROLOGA provides easily applicable tools that help you to comply with these complex legal requirements.



RELIABLE COMPLIANCE WITH WASTE LAW REGULATIONS

DOCUMENTATION AND MONITORING OF WASTE DISPOSAL PROCESSES

Since there is a big amount of national and international regulations and laws, the environment-friendly waste disposal is a complex topic. With SAP Material Flow Management and Legal Requirements Foundations SAP offers a solution that supports you in:

- Recycling waste according to the country-specific legal requirements
- Maintaining the necessary documents such as waste streams and transport documents
- Monitoring the compliance with deadlines and waste quantity limitations

Your benefits are obvious. You minimize administrative overhead and help to ensure that your legal requirements are met. That saves precious time in daily operations and avoids additional costs such as statutory penalties.

The Waste Stream – The Cornerstone of Waste Disposal

The waste disposal path starting with the generation of waste, afterwards the transport and the processing in the waste disposal facility has to be documented in a waste stream. Using this document, the different partners prove the environmental sustainability of their disposal processes. The waste stream has the following objectives: It is the responsible declaration of the waste generator and specifies the origin and the texture of the waste. Furthermore, it contains the disposer's declaration of acceptance as well as the certificate of the authority responsible for the waste disposal facility. An accompanying disposal document may also document the composition of the waste on the basis of a declaration analysis.

The proof obligations of the various parties are accompanied by an enormous effort. With SAP Material Flow Management and Legal Requirements Foundation you can cope with the increasing complexity of the evidence processes and establish and maintain an intelligent material flow management that is integrated in the order processing. By means of material flows and services that are illustrated in detail, you are always prepared for requests of customers and authorities.

Transparently Map Seamless Waste Disposal Processes

SAP Material Flow Management and Legal Requirements Foundation is fully integrated into the industry solution SAP Waste and Recycling. Multiple entries of data can be avoided from now on. It is obvious that you benefit directly from the seamless integration. All you have to do is to add the legally relevant data to the standard screens of SAP Waste and Recycling. Once the necessary master data such as business partners, catalogs and waste streams are maintained, you can start using SAP Waste and Recycling to map waste disposal procedures in your system. The reduction of workloads will be visible as soon as you create service frequencies for example. You only need to enter the necessary information such as disposal partner, transport changes, temporary storage facility and waste, or to copy them from a waste stream or template.

Authority relevant data will only be used if they are necessary from an economic point of view or according to the legal requirements. Taking all these points into consideration, creating waste disposal order items from a service frequency,

creating transport documents or confirming weighing data and orders are no problem anymore. SAP Waste and Recycling also supports material bookings and billing procedures as well as the maintenance of waste lifecycle analyses and quantity updates. Because of that, the relevant data is always available for evaluation.

Flexible Customization regarding Special Requirements

Although waste law contains fundamental European and international standards, there are country-specific and customer-specific particularities to be considered. Thanks to its extensive adaptability, the SAP solution offers maximum flexibility in these situations.

By using SAP Material Flow Management and Legal Requirements Foundation you are able to:

- Characterize your articles according to the nomenclature of the European List of Waste Materials
- Maintain the International Carriage of Dangerous Goods in the system
- Print the corresponding information and disposal documents
- Store authority relevant documents and controls for each country

Easily Integrate Waste Disposal Partners into Your System

Your waste disposal partners can quickly be integrated into your SAP system. Classify your business partners as generator, carrier and/or disposer and determine which business partner can be selected for which processes.

Record the positive list of approved wastes to each waste disposal facility and assign them to the appropriate disposer. Afterwards, define the waste premise with generator and container location assignment and enter the information that is required for the disposal processing.

Material Inspection

The material inspection allows the monitoring and documentation of material inputs and outputs at a facility regarding their quality and quantity. Based on the collected data, material samples can also be taken as soon as this becomes necessary due to regulatory provisions or customer agreements.

For taking material samples, two variants are possible. When using the strategic control, the material samples will be gathered at well-defined times or quantities. In case of the dynamic control the inspection intervals adapt automatically depending on the already processed samples or results. This adjustment is made according to the risk classification of a material or the resulting risk level (High – Medium – Low).

For deliveries that have no deficiencies, the inspection intervals are increased automatically; in case of defective deliveries, the inspections are executed more frequently.

In addition to monitoring the usual material flows, the material inspection also ensures a complete documentation when dealing with hazardous waste and its regular monitoring. So you can always keep an eye on the disposal chain, from the generator via the carrier through to the disposer.

Output Steering

The output steering coordinates the material flow from the source to the target facility and enables a transparent mapping of the transport and disposal costs of materials. This means another way of quality and cost control for your customers.

The planning of material outputs can be made on the basis of priorities for example. These are defined for certain combinations of material, source and target facility. In case of order creation, the material flows are then processed according to their priority.

The route planning in turn supports the planning and monitoring of material deliveries for a certain period of time and gives an overview of planned and already delivered material quantities.

Since the transport costs as well as the disposal and recovery costs of the material flows are already considered and controlled during the planning process, you keep your costs in mind at any time and can react accordingly, already during the order creation.

Seamless Creation and Confirmation of Waste Disposal Orders

Initial plausibility checks take place as soon as order items are created. The collected information will be valued according to different criteria. Using waste streams, the following controls are processed:

- The validity of the waste stream
- The compliance of data from the service frequency and data from the waste stream

- The achievement of preset threshold values (quantity, time) in the waste stream

Once the waste disposal order item has been created, the corresponding documents will also be generated. Depending on the basic settings or the used waste stream they will be indicated as disposal document or transfer document. After processing the waste disposal order, the gathered performance data can be confirmed in SAP Waste and Recycling.

Uninterrupted Tracking of the Waste Path

Anyone who wants to disclose and document the path taken by waste, from creation to transport to recovery or disposal, is legally obliged to verify everything with several permits and papers. The waste stream is the central element of the waste disposal of hazardous waste.

The disposal documents are also based on it. Unfortunately, the handling of these documents very often leads to errors that cost money and time. The compliance and monitoring of deadlines and quantity limits are time-consuming processes as well.

The software SAP Material Flow Management and Legal Requirements Foundation supports you in creating, processing, confirming and monitoring these documents. It also provides the basis for a proper update of the underlying disposal documents. Usability plays a major role. The input screens are graphically based on the documents of the authorities and help to avoid errors. An automatic deadline monitoring informs you about the expiry date of a waste stream.

Additionally, you can steer the quantity monitoring according to the legal requirements, such as to achieve the planned capacity.

Transparent Information

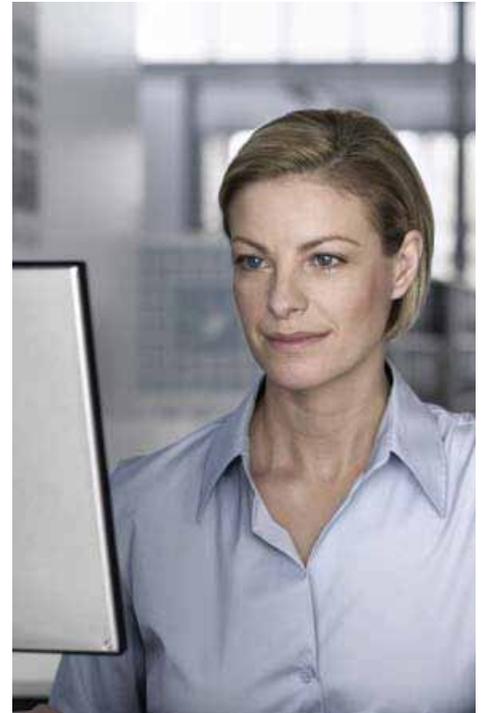
The analysis of the collected information ensures absolute transparency. Updating the processes and quantities to the corresponding waste disposal partners (and documents), you have access to a comprehensive set of data that can be used for your reports. The SAP solution also provides fundamental and legal requirements such as statistics for disposal documents and waste balances. The waste balance contains information about:

- The generator, current location and a description of the waste
- The transported quantity
- The disposal procedure

All information is displayed in list form and can be adapted with the available standard functionalities. You also have the opportunity to transfer the information into a text file for a further processing with Microsoft Office products.

More Information

If you would like to learn more about how SAP Material Flow Management and Legal Requirements Foundation can support your company, contact your SAP representative or visit us online at www.sap.com.



With SAP Material Flow Management and Legal Requirements Foundation by PROLOGA you can minimize administrative overhead and ensure that your legal obligations are fulfilled, which saves precious time in daily operations and avoids additional costs.

Summary

SAP Material Flow Management and Legal Requirements Foundation by PROLOGA enables you to comply with complex statutory regulations. The integrated material flow management provides reliable key information that forms the basis of management decisions.

Business Challenges

- **Compliance** with the latest statutory requirements while minimizing costs
 - **Documentation** of the material flow and the disposal process
 - **Increasing** the process efficiency
 - **Periodical controls** of deliveries according to legal requirements and internal specifications
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Key Features

- **Material flow tracking** – Centralized data for an efficient tracking of waste streams and recovery methods
 - **Statutory compliance and performance** – Collection, transport and recycling of waste quantities based on preset threshold values
 - **Documentation and reports** – Legally valid documentation based on information on legal requirements that is stored in the software
 - **Support for company decisions** – Reports and mapping of material flows and services in order to identify problem areas
 - **Material inspection** – Monitoring and documentation of material flows
 - **Output steering** – Planning and monitoring of material outputs at own waste disposal facilities
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Business Benefit

- **Increased efficiency and lower error rate** by a centralized data entry, documentation and storage
 - **Better waste stream monitoring** due to a more efficient material flow tracking throughout the entire waste disposal and recovery cycle
 - **Increased transparency** of important company information by a centralized access to all waste and recovery data
 - **Enhanced analysis functionalities** with access to real-time data and integrated statistics
 - **Precise compliance with legal requirements** since the software enables you to record national and international regulations
 - **Planning support** for outgoing material flows by quantity and route control
 - **No overplanning** because of quantity updates for outgoing material flows
 - **Simplified reporting** towards authorities and customers, using the automatically generated document templates
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SAP price list material no.

7016764

More Information

If you would like to learn more about how SAP Material Flow Management and Legal Requirements Foundation by PROLOGA can support your company, contact your SAP representative or visit us online at www.sap.com.

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