



Sustainable Waste Management Policy for Waste Treatment

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Indaver's Sustainable Waste Management Policy

As a waste management provider, Indaver understands the importance of waste management and its effect on the environment.

In our decision-making and operations, we apply the waste hierarchy established in the Waste Framework Directive, which prioritizes prevention, reuse, recycling, recovery, and disposal of waste in that order, to minimize the environmental impact and maximize the resource efficiency of waste treatment processes. Moreover, in the circular economy, our Indaver role as a sustainable waste management provider is focused on both the efficient recovery of high-quality materials & energy and on the decontamination of the material cycles.

Therefore, Indaver translates the waste hierarchy into further detailed principles. We assume an enabler-gatekeeper role and use our sustainability triangle as a guiding principle.

Furthermore, our 10 codes of Good Practice ensure that we make ethical choices. We act according to legislation; as a good housekeeper, we stand for quality and safety, and we provide full transparency.



Contributing to the goals of the European Green Deal

Indaver takes its role in sustainable waste management to the next level by actively contributing to the goals of the European Green Deal. The areas that mostly affect our business are the EU's Climate ambition, the realisation of a clean and circular economy and the zero-pollution ambition for a toxic-free environment.

Climate & Energy

We aim to contribute to the EGD and global climate ambition, which is to limit the temperature increase to 1.5°C above pre-industrial levels. Even if this target is something we cannot achieve on a company level, we are taking measures to contribute as much as we can to our society as a whole. Our carbon management plan, including our W2E strategy, is our answer to Europe's climate ambition.

Carbon Management Plan

Keeping Europe's Green Deal key principles in mind, Indaver's Carbon Management Plan is focused on the following priorities:

1. Avoid CO₂ from being emitted by keeping the carbon in the chemicals via sustainable and safe recycling installations and not releasing it into the air.
2. Reducing the use of primary energy sources during our waste processing and management activities (such as fossil fuels, electricity from the public grid).
3. The recovery of as many high-quality materials as possible (including wood, plastics, metals, granulate, precious metals and water), avoiding the energy needed for the virgin production of these materials.
4. The recovery of as much energy as possible, including renewable energy from the waste streams treated in our treatment installations, e.g. waste-to-energy plants and steam networks.
5. As a last resort, Indaver will turn to CCS (Carbon Capture and Storage) and CCU (Carbon Capture and Usage) for its non-avoidable CO₂-emissions, as soon as it is considered BAT_{nec} for our sector.



Contributing to the goals of the European Green Deal

Circular Economy

The circular economy is based on the principle of generating less waste and using the waste that is generated as a resource.

In its own operations, Indaver is focused on resource efficiency. We aim to reduce the use of resources and waste. This implies that we focus on the recovery and reuse of our process materials, energy, and water (using waste as a fuel in the process or using bottom ashes in controlled construction applications, like landfill construction). We also look for sustainable options when we purchase materials, equipment, other supplies, etc.

In our core business, sustainable waste management, there are further conditions to be taken into account. Today, every waste stream is evaluated with an eye toward recovery rather than destruction. But the recovery itself needs to be efficient and affordable; it should not cause harm to the environment or human health, and it needs to generate high-quality materials & energy.

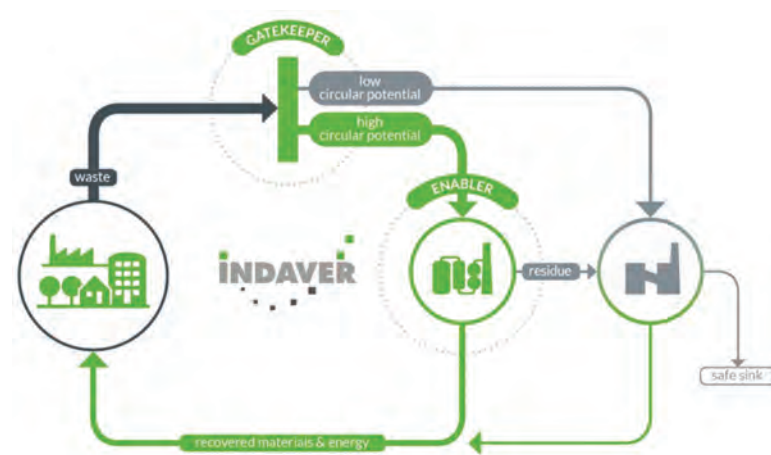
The materials generated need to have enough value to justify the cost of treatment. They must also be reliable, which calls for high-quality recovery products with the same functionality as virgin materials and no adverse effects. Finally, they should not pose a risk during use, which means that any hazardous component needs to be removed from the product and the entire cycle. This is where Indaver plays an important part. We decontaminate haz and non-haz materials and cycles by capturing, neutralising, immobilising and safely storing any component or residue that can possibly harm the environment and human health.

Enabler-Gatekeeper Role

In our waste management practice, we assume a role as enabler and gatekeeper. As an enabler, we try to recover as much value as possible from waste, as material or energy.

As a gatekeeper, we want to guarantee that waste is not left unattended and controlled, nor on land, or on sea. And we provide the right solution for the treatment of waste streams, avoiding negative impact on the environment and/or on human health. We also protect and secure the material and energy cycles, to keep quality and value high.

When waste is presented to us, we first assess the composition of the waste, in order to determine its high circular potential (high value-low contamination) or low circular potential (low value-high contamination). This determines the right solution for the waste.



Contributing to the goals of the European Green Deal

The Zero Pollution Vision

The zero pollution vision for 2050 is for air, water and soil pollution to be reduced to levels no longer considered harmful to health and natural ecosystems, that respect the boundaries with which our planet can cope, thereby creating a toxic-free environment.

As a waste management company, Indaver contributes to this goal by preventing and controlling littering. We treat waste, in the first place. Furthermore, we use closed or covered facilities for unloading, storing and processing waste, and we apply high standards of order and cleanliness in all our activities.

As set out in our QESH policy, we guarantee structural compliance with legal and permit conditions. We comply with the EU's ambient air quality standards and aim to reduce our emissions of harmful pollutants. We are committed to comply with all EU legislation and minimize emissions to air, water and ground, in accordance with BAT, taking into account ecological added value and the cross-media effects of the applied techniques.

We aim to prevent, remedy, monitor and report on pollution in all aspects of our operations and activities. This is performed in accordance with BAT (Best Available Technology) and by using a validated monitoring methodology.

We use a recognized methodology to manage any incident in a sustainable way, by minimizing the consequences of a potential occurrence and by preventing recurrence of an eventual incident.

Decontamination

It is essential that we keep the material chains safe and clean, in order to deliver reliable products that cause no harm to people or environment.

We therefore decontaminate all waste streams, including recycled waste streams, from (potentially) hazardous substances. These components are captured and removed from the product and materials cycle. The aim is to make sure they cannot cause any adverse effects – now or in the future.

If hazardous components cannot be recovered, they are incinerated in rotary kilns. What cannot be destroyed, is neutralised and/or permanently immobilised (chemically and physically).

The final product is then transported to Indaver's own landfill, where it is kept under special conditions. Measurements are performed throughout the entire process to verify that all hazardous components have indeed been destroyed or permanently immobilised.

Our Safe Sink warranty keeps both the environment and the circular economy clean and safe.



Contributing to the goals of the European Green Deal

Biodiversity

As set out in our Biodiversity Policy, Indaver conducts environmental impact assessments (EIAs) for all our waste management activities, in accordance with the EU Environmental Impact Assessment Directive.

We prevent and control littering, especially of plastics, which pose a serious threat to biodiversity on land and in water. We use closed or covered facilities for unloading, storing and processing waste, and we apply high standards of order and cleanliness.

We manage our own areas in a nature-friendly way, by avoiding the use of pesticides, using biological alternatives for pest control, and planting native species in our green spaces. We also support biodiversity-related activities by third parties, such as nature conservation organizations or local projects that promote sustainability. We sponsor initiatives and projects that are mentioned and discussed in our yearly sustainability report.



Wildflowers in Bloom, Meath

Ethical Decision-Making

The Sustainability Triangle as Guiding Principle

Indaver makes recovery available, affordable, and reliable.

- We make recycling and recovery solutions technologically available. We use BAT (Best Available Technology) and develop new technology.
- The solutions are affordable; otherwise, adoption will be too slow. This is obtained by economy of scale, efficiency, and maximum quality, and therefore the value of recovered energy and materials. Taxes and subsidies bring the cost of environmental impact into the equation.
- And most of all, the solutions are reliable. No risk for people or the environment; no liabilities for the companies involved; and no detrimental effects on society as a whole. We provide safe, clean solutions, and we safeguard the quality and purity of the recovered materials.

BPEO and the 10 Codes of Good Practice

Sustainable waste management is an interplay of three main elements. The waste itself (waste characteristics), legislation and waste treatment techniques. This is reflected in the first four blocks of our BPEO (Best Practicable Environmental Option) decision-making flow.

After selecting the best treatment option(s) for the waste stream, we take into consideration which treatment installation(s) is/are best suited, taking into account its permits, capacity, cost and proximity to the waste producer.

In this process, Indaver applies its 10 Codes of Good Practice to the solution(s). The 10 Codes cover a variety of ethical decisions to be made.



Monitoring Progress

We align with the Corporate Sustainability Reporting Directive (CSRD), which requires companies to report on their environmental and social impact activities using a double materiality perspective and following the European Sustainability Reporting Standards (ESRS).

We are committed to implementing this policy in all our activities and businesses, and to reviewing it regularly to ensure its effectiveness and improvement.

We invest in providing our employees with the necessary skills and training to implement our sustainable waste management policy and to raise their awareness of the environmental issues. We communicate clearly and effectively with our internal and external stakeholders about our goals, actions and results. We report transparently on our performance using reliable indicators and data. We engage in dialogue and collaboration with relevant authorities, organizations, communities, and customers to share knowledge and best practices on sustainable waste management.

This policy is approved by the International Management Team and reviewed regularly.



